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April 17, 2020

Mr. Bradley S. Nave  
Senior Site Director  
The Chemours Company, FC, LLC  
c/o AECOM  
500 West Jefferson St., Suite 1600  
Louisville, KY 40202

**Re: 2019 Site Investigation Summary  
Former DuPont Barksdale Works Site  
BRRTS No. 02-04-00156**

Dear Mr. Nave:

This letter provides a summary of site investigation work conducted in 2019 at the Chemours Barksdale Works site (Figures 1 and 2). The information is provided for your communication to the Wisconsin Department of Natural Resources in order to fulfill their request for annual summary reports detailing field work conducted at the site.

The site characterization efforts conducted during the 2019 field season (June 5 through November 1, 2019) included:

- Delineation of subsurface residual solid product (RSP) and process-related residuals.
- Soil sampling in historical transportation corridors.
- Groundwater sampling.
- Surface water and sediment sampling.
- Debris screening.
- RSP Removal.

In addition to investigative efforts, pilot-scale bio-remediation evaluation (bio-pilot) work was continued in 2019 to further understand the mechanisms for biodegradation and pH-controlled reduction of site-related constituents in soil. This work and associated waste management tasks will be reported in the Waste Management Progress Report No. 8, which will be submitted by June 1, 2020.

The 2019 investigation areas are indicated on Figures 3 through 8. 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 2019, 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 Screening House (RTSH) Area including the former building (PAJB0004), barricade berms and associated ditches (PAJD0023).
- Area adjacent and east of the Refined Triton East Graining House (RTEGH), including drainage ditches (PAJD0029, PAJD0030 and PAJD0031), overflow area and rail grades (PAJR0001 and PAJR0003).
- Area between the RTEGH and the Refined Triton West Graining House (RTWGH), including drainage ditches (PAJD0018, PAJD0019, PAJD0020), a catch box area and rail grades (PAJR0001 and PAJR0003).
- Refined Triton Tank Storage buildings (PAJB0003 and PAJB0005) and adjacent drainage ditch (PAJD0005).
- Portion of TNT09/10 drainage ditch that passes through Use Area PAJ (PAHD0022).
- Various grid locations as a continuation of grid sampling started in 2018 (see 2019 test pit grid locations on Figures 4 and 5).

RSP was encountered in 2019 at dispersed locations in the investigation area. A total of 1,190 cubic yards (yd<sup>3</sup>) of soil that was estimated to contain generally between 1.5% to 5% RSP, as determined by visual inspection and field screening (FIDO<sup>®</sup> and Expray<sup>®</sup>), was placed into test cells C33, C34, C35 and C36 in 2019. RSP and soil containing greater than 5% RSP, as determined by visual inspection and field screening (FIDO<sup>®</sup> and Expray<sup>®</sup>), 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 and field screening.

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. 2,4,6-trinitrotoluene (TNT) was detected at concentrations above the recreational SSRCLs for direct contact in three soil samples collected from temporary excavation sidewalls, however; the areas of these samples were subsequently excavated. NNOCs were not detected above recreational SSRCLs for direct contact in these three areas following over-excavation.

## **1.1 REFINED TRITON SCREENING HOUSE AREA**

The area of the former RTSH building (PAJB0004), barricade berms and associated ditches (PAJD0023) was investigated in 2019 as shown on Figure 4. Soil was excavated and field screened (FIDO<sup>®</sup> and Expray<sup>®</sup>) from within, around and below each feature. The excavation included the removal of 12 ft high barricade berms that surrounded the former RTSH building.

The irregular shaped excavation extended to about nine ft below ground surface (bgs) at PAJB0004 and four ft bgs at PAJD0023.

Approximately 2,827 cubic yards (yd<sup>3</sup>) of soil was excavated during the investigation covering an area of approximately 5,313 ft<sup>2</sup>. Approximately 170 yd<sup>3</sup> of soil was transported from the area and placed in test cells (41.5 yd<sup>3</sup> to C33, 5.6 yd<sup>3</sup> to C34, 116.6 yd<sup>3</sup> to C35 and 5.9 yd<sup>3</sup> to C36)

## **1.2 AREA ADJACENT AND EAST OF THE REFINED TRITON EAST GRAINING HOUSE**

The area adjacent and east of the former RTEGH building including drainage ditches (PAJD0029, PAJD0030 and PAJD0031), overflow area and rail grades (PAJR0001 and PAJR0003) was investigated in 2019 as shown on Figure 4. Soil was excavated and field screened (FIDO<sup>®</sup> and Expray<sup>®</sup>) from within, around and below each feature. Approximately 1,373 yd<sup>3</sup> of soil was excavated during the investigation covering an area of approximately 9,227 ft<sup>2</sup>. The irregular shaped excavation extended to about four feet bgs.

Approximately 92 yd<sup>3</sup> of soil was transported from the area and placed in test cells (88.9 yd<sup>3</sup> to C36 and 3.0 yd<sup>3</sup> to C35). 44.3 pounds (lbs) of RSP/soil mix containing an estimated 42 pounds of RSP, was removed from the area and placed in the onsite magazine for storage.

## **1.3 AREA BETWEEN THE REFINED TRITON EAST AND WEST GRAINING HOUSES**

The area between the RTEGH and RTWGH, including drainage ditches (PAJD0018, PAJD0019 and PAJD0020), a catch box area and rail grades (PAJR0001 and PAJR0003) was investigated in 2019 as shown on Figure 4. Soil was excavated and field screened (FIDO<sup>®</sup> and Expray<sup>®</sup>) from within, around and below each feature. Approximately 1,288 yd<sup>3</sup> of soil was excavated during the investigation covering an area of approximately 8,696 ft<sup>2</sup>. The irregular shaped excavation extended to about four feet bgs.

Approximately 842 yd<sup>3</sup> of soil was transported from the area and placed in test cells (423.7 yd<sup>3</sup> to C35 and 418 yd<sup>3</sup> to C36). 57.7 lbs of RSP/soil mix containing an estimated 56 pounds of RSP, was removed from the area and placed in the onsite magazine for storage.

## **1.4 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 2019 as shown on Figure 4. Soil was excavated and field screened (FIDO<sup>®</sup> and Expray<sup>®</sup>) from within, around and below each feature. Approximately 279 yd<sup>3</sup> of soil was excavated during the investigation covering an area of approximately 1,883 ft<sup>2</sup>. The irregular shaped excavation extended to about four feet bgs. Approximately 86 yd<sup>3</sup> of soil was transported from the area and placed in test cells (20.7 yd<sup>3</sup> to C35 and 65.2 yd<sup>3</sup> to C36).

## **1.5 PORTION OF USE AREA TNT09/10 DRAINAGE DITCH THAT PASSES THROUGH USE AREA PAJ**

The portion of TNT09/10 drainage ditch that passes through Use Area PAJ (PAHD0022) was investigated in 2019 as shown on Figure 4. Six test pits were advanced in the ditch, each of which were approximately 2.5 ft wide by 10 feet long and 8 ft deep. Composite soil samples were collected from each test pit (Table 1(a)). NNOCs were not detected in soil samples collected from the six test pits.

## **1.6 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 seven grid locations as shown on Figure 5. Each test pit was approximately 2.5 ft wide by 5 to 10 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 USE AREA SAA SOIL SAMPLING**

In 2019, soil samples were collected in four areas located within historical transportation corridors located south of Boyd Creek (Use area SAA) and screened with an X-ray fluorescence (XRF) analyzer. The samples were collected to evaluate potential locations to place fill soil generated by the Wisconsin Department of Transportation during the planned replacement of the State Highway 13 bridge over Boyd Creek bridge in 2020.

Soil samples were collected with a hand auger in a grid pattern, generally centered on four areas with elevated lead and/or arsenic concentrations as determined by historical sampling. A total of 96 hand auger borings were advanced to a maximum depth of one ft bgs. Sample locations are shown on Figures 6 and 7. A soil sample was collected from the surface to 0.5 ft bgs and from 0.5 to one ft bgs in each boring, unless auger refusal was encountered prior to reaching 1 ft bgs. The samples were air dried for approximately one week prior to screening with a Niton XL5 handheld XRF analyzer. Each soil sample was screened three separate times with the XRF for lead and arsenic. The average lead and arsenic reading for each sample is included on Table 1(d). XRF results indicate concentrations of both lead and arsenic above non-industrial RCLs for direct contact at locations shown on Figures 6 and 7.

## **3.0 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 the twelve drainage locations in April 2019 (Table 1(c) and Figure 8). In 2019, sediment quantities observed in sediment traps at only five of the twelve perimeter sampling locations were sufficient for laboratory analysis. NNOCs were detected in three surface water samples (SW-F001, SW-H001 and SW-I001) and in two sediment samples (SED-B002 and SED-J001). Surface water sampling results in 2019 were below human health and ecological screening criteria, where established. NNOC detections in the sediment samples in 2019 were below non industrial RCLs for direct contact and were flagged by the laboratory as being detected below the reporting limit. NNOCs were not detected in sediment samples collected prior to 2019 at SED-B002 and SED-J001.

## **4.0 WW1 POND SURFACE WATER AND SEDIMENT SAMPLING**

A surface water and sediment sample were collected from a ponded area (WW1 Pond 3) between ditches PAJD0003 and PAJD0004 in Use Area PAJ in 2019 (Table 1(c) and Figure 4). NNOCs were detected above recreational SSRCLs for direct contact in the sediment sample. NNOCs were detected below human health screening criteria in the surface water sample, where established. The WW1 Pond 3 area is planned to be further investigated in future field efforts.

## **5.0 GROUNDWATER SAMPLING**

Groundwater samples were collected from the following locations in 2019 (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 2019.

## **6.0 DEBRIS SCREENING AND CHARACTERIZATION SAMPLING**

Remnant materials associated with former buildings and production areas were moved to allow field crews to gain access to delineation sites. These materials included concrete, vitrified clay pipe (VCP) 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 2019 will be discussed in detail in the Waste Management Progress Report No. 8.

## **7.0 BIOREMEDIATION PILOT TEST PROGRAM**

In general, the Bioremediation Pilot Test Program (BPTP) results continually show that the approaches being tested show promise of the remediation of affected site soil, but on-going evaluation is needed to determine if the process will be effective in reaching side-wide remediation goals.

The status of the test cells in 2019 are as follows:

- Cells C01 to C05, C07 to C11, C13 to C15, C18, C19, C22, C23, C29, C30 and C32 were not mixed in 2019 and were not actively tested in 2019.
- Cells C06, C12, C16, C17, C21, C24 through C28, C31, C33, 35 and 36 are active alkaline hydrolysis (AH) cells. AH cells have been treated by pH adjustment using hydrated lime. Composite soil samples were collected from the AH cells in 2019 (Table 1(b)).
- Cells C35 and 36 were constructed in 2019.
- Cells C33, C35 and C36 were loaded in 2019 and the cells were mixed, following the application of lime. Cell C34 was partially loaded and it is anticipated that lime addition, mixing and sampling will occur after the cell has been loaded to capacity. Approximately 1,190 yd<sup>3</sup> of soil was added to cells C33, C34, C35 and C36 in 2019. This includes 41 yd<sup>3</sup> in C33, 7 yd<sup>3</sup> in C34, 564 yd<sup>3</sup> in C35 and 578 yd<sup>3</sup> in C36.
- Additional lime was added to cells C24, C26 and C33 in 2019 to raise the pH. The cells were mixed following the application of lime.
- Cells C24, C26, C28, C31, C33, C35 and C36 were mixed in 2019.
- Surface water and sediment samples were collected from the sediment traps at cells C05 and C06 in 2019 (Table 1(c)).
- Soil from C25 was excavated and placed in cell C27 in 2019 to provide additional storage capacity. However; cell C25 was not loaded with soil excavated during the 2019 field season.

- Willow trees were planted in cells C16 and C20 late in the 2019 field season. Composite soil samples were collected from both cells prior to planting the willow trees.

Additional detail on BPTP, including analytical results, will be included in the Waste Management Progress Report No. 8.

## **8.0 RSP REMOVAL**

No RSP was shipped off-site for disposal in 2019. A total of 325.2 lbs of material containing greater than 5% RSP was collected in 2019. Approximately 2.5 lbs of RSP/soil mix comprised primarily of TNT and 217.5 lbs of RSP/soil mix from Use Area PAI comprised primarily of 2,4,6-trinitroxylylene (TNX) was shipped to the Army Corp of Engineers in Vicksburg, Mississippi for site related research. Weights listed above do not include water added for shipping, packing materials and containers. The remaining material remains in the magazine as of the date of this report. Eight 5-gallon buckets containing 105.2 lbs of RSP/soil mix (total weight including added water and containers is 193.1 lbs) is currently stored in the magazine.

## **9.0 SUMMARY**

The 2019 site investigation effort included the following:

- Excavation and sampling of former buildings, ditches, overflow areas and rail corridors in Use Area PAJ. Over 5,800 yd<sup>3</sup> of soil was excavated covering an area of over 25,000 ft<sup>2</sup>.
- Collection of over 300 soil samples for laboratory analysis.
- Collection of 256 pounds of RSP.
- Excavation and placement of 1,190 yd<sup>3</sup> of soil from Use Area PAJ into test cells.
- Advancement of 96 hand auger borings within historical transportation corridors in Use Area SAA. A total of 188 soil samples from the hand auger borings were screened with an XRF.

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 2019. TNT was detected at concentrations above the recreational SSRCLs for direct contact in three soil samples collected from temporary excavation sidewalls, however; the areas of these samples were subsequently excavated. NNOCs were not detected above recreational SSRCLs for direct contact in these three areas following over-excavation. NNOCs were detected above recreational SSRCLs for direct contact in a soil/sediment sample collected from WWI Pond 3 located in Use Area PAJ. The WW1 Pond 3 area is planned to be further investigated 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 2019. Should you have any questions or comments regarding the work summarized above, please do not hesitate to contact us.

Sincerely,



Nick Shorkey  
Project Scientist



Eric Schmidt, P.E.  
Project Engineer



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

Mr. Bradley S. Nave  
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April 17, 2020  
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Attachments:

Tables

Table 1 – 2019 Analytical Samples  
(a) – Site Investigation Soil Samples  
(b) – Bio-pilot Cell Soil Samples  
(c) – Other Site Samples  
(d) – Use Area SAA Soil Samples  
Table 2 – 2019 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 – 2019 XRF Sample Results – Lead  
Figure 7 – 2019 XRF Sample Results - Arsenic  
Figure 8 – Water Sampling Locations

Laboratory Reports

Pace Analytical and TestAmerica - 2019

**2019 Site Investigation Samples**  
2019 Site Investigation Summary Report Tables  
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-190722-001X (0-6)	001X	7/22/2019	16:25	SI	PAJ	RTSH Area	PAJB0004	0	6	Comp	Soil	Sample of the northern stockpile removed from within the northern berm of the RTSH footprint
SITG-190722-002X (6-10)	002X	7/22/2019	16:26	SI	PAJ	RTSH Area	PAJB0004	6	10	Comp	Soil	Sample of the northern stockpile removed from within the eastern half of the RTSH footprint
SITG-190723-003X (0-6)	003X	7/23/2019	8:15	SI	PAJ	RTSH Area	PAJB0004	0	6	Comp	Soil	Sample of the northern stockpile removed from within the western half of the RTSH footprint
SITG-190814-04N (0-8)	004N	8/14/2019	9:00	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	Western portion of the RTSH area excavation
SITG-190814-04N (0-8) - D	004N	8/14/2019	9:00	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	Western portion of the RTSH area excavation
SITG-190814-04S (0-8)	004S	8/14/2019	9:02	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	Western portion of the RTSH area excavation
SITG-190814-04W (0-8)	004W	8/14/2019	9:04	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	Western portion of the RTSH area excavation
SITG-190723-004X (10-13)	004X	7/23/2019	9:00	SI	PAJ	RTSH Area	PAJB0004	10	13	Comp	Soil	Removed from the base of the RTSH excavation
SITG-190814-05C (8-8.5)	005C	8/14/2019	9:06	SI	PAJ	RTSH Area	PAJB0004	8	8.5	Comp	Soil	Northwest quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-05N (0-8)	005N	8/14/2019	9:08	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	From northwest quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190916-05N-R	005N-R	9/16/2019	8:40	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	Resampled following further investigation of 005N
SITG-192608-005X	005X	8/26/2019	8:10	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	3	4	Comp	Soil	Bottom of excavation area, directly north of Railgrade 3
SITG-190814-06C (8-8.5)	006C	8/14/2019	9:12	SI	PAJ	RTSH Area	PAJB0004	8	8.5	Comp	Soil	Southwest quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-06S (0-8)	006S	8/14/2019	9:10	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	From southwest quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-192608-006X	006X	8/26/2019	8:16	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	2	4	Comp	Soil	Southern sidewall of the excavation for sample area 005X
SITG-190814-07C (4-4.5)	007C	8/14/2019	9:16	SI	PAJ	RTSH Area	PAJB0004	4	4.5	Comp	Soil	Western half of the drainage feature to the east of the RTSH area
SITG-190814-07C (4-4.5) - D	007C	8/14/2019	9:16	SI	PAJ	RTSH Area	PAJB0004	4	4.5	Comp	Soil	Western half of the drainage feature to the east of the RTSH area
SITG-190814-07N (0-4)	007N	8/14/2019	9:14	SI	PAJ	RTSH Area	PAJB0004	0	4	Comp	Soil	From the western half of the drainage feature to the east of the RTSH area
SITG-190814-07S (0-4)	007S	8/14/2019	9:18	SI	PAJ	RTSH Area	PAJB0004	0	4	Comp	Soil	From the western half of the drainage feature to the east of the RTSH area
SITG-192608-007X	007X	8/26/2019	8:12	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	Southern sidewall of the excavation for sample area 005X
SITG-190814-08C (8-8.5)	008C	8/14/2019	9:22	SI	PAJ	RTSH Area	PAJB0004	8	8.5	Comp	Soil	Southeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-08E (0-8)	008E	8/14/2019	9:20	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	From southeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-08S (0-8)	008S	8/14/2019	9:24	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	From southeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-08X (0-8)	008X	8/14/2019	9:26	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	Removed from the southeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190916-008X	008X	9/16/2019	8:50	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	4	Comp	Soil	Stockpile sample from north of refined triton eastern overflow area directly north of railgrade 3
SITG-190814-09C (8-8.5)	009C	8/14/2019	9:30	SI	PAJ	RTSH Area	PAJB0004	8	8.5	Comp	Soil	Northeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-09E (0-8)	009E	8/14/2019	9:32	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	From northeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-09N (0-8)	009N	8/14/2019	9:28	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	From northeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-09X (0-8)	009X	8/14/2019	9:34	SI	PAJ	RTSH Area	PAJB0004	0	8	Comp	Soil	Removed from the northeast quarter of the area just east of the RTSH southern end of the railgrade (PAJR0004) and ditch (PAJD0023)
SITG-190814-10C (4-4.5)	010C	8/14/2019	9:42	SI	PAJ	RTSH Area	PAJB0004	4	4.5	Comp	Soil	Eastern half of the drainage feature to the east of the RTSH area
SITG-190814-10E (0-4)	010E	8/14/2019	9:38	SI	PAJ	RTSH Area	PAJB0004	0	4	Comp	Soil	From the eastern half of the eastern drain to the east of the RTSH area
SITG-190814-10N (0-4)	010N	8/14/2019	9:36	SI	PAJ	RTSH Area	PAJB0004	0	4	Comp	Soil	From the eastern half of the eastern drain to the east of the RTSH area
SITG-190814-10S (0-4)	010S	8/14/2019	9:40	SI	PAJ	RTSH Area	PAJB0004	0	4	Comp	Soil	From the eastern half of the eastern drain to the east of the RTSH area
SITG-190814-10X (0-4)	010X	8/14/2019	9:44	SI	PAJ	RTSH Area	PAJB0004	0	4	Comp	Soil	Removed from of the eastern half of the eastern drain to the east of the RTSH area
SITG-190814-11C (4-4.5)	011C	8/14/2019	9:50	SI	PAJ	RTSH Area	PAJD0023	4	4.5	Comp	Soil	From the southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-11E (0-4)	011E	8/14/2019	9:48	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	Southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-11W (0-4)	011W	8/14/2019	9:46	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-11X (0-4)	011X	8/14/2019	9:52	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	Removed From the southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-12C (4-4.5)	012C	8/14/2019	9:58	SI	PAJ	RTSH Area	PAJD0023	4	4.5	Comp	Soil	Mid-southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-12E (0-4)	012E	8/14/2019	9:56	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the mid-southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-12P (5.5-6)	012P	8/14/2019	10:02	SI	PAJ	RTSH Area	PAJD0023	5.5	6	Comp	Soil	Test pit in the mid-southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023) to verify no further contamination at depth
SITG-190814-12W (0-4)	012W	8/14/2019	10:00	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the mid-southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-12X (0-4)	012X	8/14/2019	9:54	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	Removed From the mid-southern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-13C (4-4.5)	013C	8/14/2019	10:08	SI	PAJ	RTSH Area	PAJD0023	4	4.5	Comp	Soil	Middle extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-13E (0-4)	013E	8/14/2019	10:06	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the middle extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-13W (0-4)	013W	8/14/2019	10:04	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the middle extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-14W (0-4)	013W	8/14/2019	10:12	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the mid-northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-13X (0-4)	013X	8/14/2019	10:10	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	Removed From the middle extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)



**Table 1 (a)**  
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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-190814-14C (4-4.5)	014C	8/14/2019	10:16	SI	PAJ	RTSH Area	PAJD0023	4	4.5	Comp	Soil	Mid-northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-14C (4-4.5) - D	014C-D	8/14/2019	10:16	SI	PAJ	RTSH Area	PAJD0023	4	4.5	Comp	Soil	Mid-northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-14E (0-4)	014E	8/14/2019	10:18	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the mid-northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-14P (5.5-6)	014P	8/14/2019	10:14	SI	PAJ	RTSH Area	PAJD0023	5.5	6	Comp	Soil	Test pit in the mid-northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023) to verify no further contamination at depth
SITG-190814-14X (0-4)	014X	8/14/2019	10:20	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	Removed From the mid-northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-15C (4-4.5)	015C	8/14/2019	10:26	SI	PAJ	RTSH Area	PAJD0023	4	4.5	Comp	Soil	Northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-15E (0-4)	015E	8/14/2019	10:28	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-15N (2-4)	015N	8/14/2019	10:22	SI	PAJ	RTSH Area	PAJD0023	2	4	Comp	Soil	From the northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-15W (0-4)	015W	8/14/2019	10:24	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	From the northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190814-15X (0-4)	015X	8/14/2019	10:30	SI	PAJ	RTSH Area	PAJD0023	0	4	Comp	Soil	Removed From the northern extent of the RTSH railgrade/drainage (PAJR0004/PAJD0023)
SITG-190919-016-C (0-3)	016-C	9/19/2019	14:04	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	East extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-016-N (0-3)	016-N	9/19/2019	14:05	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	East extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-016-S (0-3)	016-S	9/19/2019	14:06	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	East extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190920-016-X (0-3)	016-X	9/20/2019	10:46	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 016 sample area that was placed back over the 030 sample area
SITG-190920-016-X-D (0-3)	016-X-D	9/20/2019	10:46	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 016 sample area that was placed back over the 030 sample area
SITG-190919-017-C (0-3)	017-C	9/19/2019	14:07	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Mid-east extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-017-N (0-3)	017-N	9/19/2019	14:08	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Mid-east extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-017-S (0-3)	017-S	9/19/2019	14:09	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Mid-east extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190920-017-X (0-3)	017-X	9/20/2019	10:47	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 017 sample area that was placed back over the 016 and 030 sample areas
SITG-190919-018-C (0-3)	018-C	9/19/2019	14:10	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Middle extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-018-N (0-3)	018-N	9/19/2019	14:11	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Middle extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-018-S (0-3)	018-S	9/19/2019	14:12	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Middle extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190920-018-X (0-3)	018-X	9/20/2019	10:48	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 018 sample area that was placed back over the 017 sample
SITG-190919-019-C (0-3)	019-C	9/19/2019	14:13	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Mid-west extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-019-N (0-3)	019-N	9/19/2019	14:14	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Mid-west extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-019-S (0-3)	019-S	9/19/2019	14:15	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Mid-west extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190920-019-X (0-3)	019-X	9/20/2019	10:49	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 019 sample area that was placed back over the 018 sample
SITG-190919-020-C (0-3)	020-C	9/19/2019	14:16	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	West extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-020-N (0-3)	020-N	9/19/2019	14:17	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	West extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190920-020-X (0-3)	020-X	9/20/2019	10:50	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 020 sample area that was placed back over the 019
SITG-190919-021-C (0-3)	021-C	9/19/2019	14:18	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Most west extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-021-N (0-3)	021-N	9/19/2019	14:19	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Most west extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190920-021-X (0-3)	021-X	9/20/2019	10:51	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 021 sample area that was placed back over the norther 019 sample area
SITG-190919-022-C (0-4)	022-C	9/19/2019	14:20	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	4	Comp	Soil	Catchbox (PAJD0020) between the RTEGH and RTWGH footprints
SITG-190919-022-C-D (0-4)	022-C-D	9/19/2019	14:20	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	4	Comp	Soil	Catchbox (PAJD0020) between the RTEGH and RTWGH footprints
SITG-190919-023-C (0-3)	023-C	9/19/2019	14:21	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most east extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-023-N (0-3)	023-N	9/19/2019	14:22	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most east extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-023-S (0-3)	023-S	9/19/2019	14:23	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most east extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190920-023-X (0-3)	023-X	9/20/2019	10:52	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 023 sample area that was placed back over the southern half of 021 and 025 sample areas
SITG-190919-024-C (0-3)	024-C	9/19/2019	14:24	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	East extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-024-N (0-3)	024-N	9/19/2019	14:25	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	East extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-024-S (0-3)	024-S	9/19/2019	14:26	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	East extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190920-024-X (0-3)	024-X	9/20/2019	10:53	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 024 sample area that was placed back over the 025
SITG-190919-025-C (0-3)	025-C	9/19/2019	14:27	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Mid-east extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-025-N (0-3)	025-N	9/19/2019	14:28	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Mid-east extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-025-S (0-3)	025-S	9/19/2019	14:29	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Mid-east extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190920-025-X (0-3)	025-X	9/20/2019	10:54	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 025 sample area that was placed north of the 024-X sample area
SITG-190919-026-C (0-3)	026-C	9/19/2019	14:30	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Middle extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-026-N (0-3)	026-N	9/19/2019	14:31	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Middle extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-026-S (0-3)	026-S	9/19/2019	14:32	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Middle extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190920-026-X (0-3)	026-X	9/20/2019	10:55	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 026 sample area that was placed back over the 027 sample area
SITG-190919-027-C (0-3)	027-C	9/19/2019	14:33	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Mid-west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-027-N (0-3)	027-N	9/19/2019	14:34	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Mid-west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-027-S (0-3)	027-S	9/19/2019	14:35	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Mid-west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)

**Table 1 (a)**  
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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-190920-027-X (0-3)	027-X	9/20/2019	10:56	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 027 sample area that was placed back over the 028 and 044 sample areas and spread to an area about
SITG-190919-028-C (0-3)	028-C	9/19/2019	14:36	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	West extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-028-N (0-3)	028-N	9/19/2019	14:37	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	West extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-028-S (0-3)	028-S	9/19/2019	14:38	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	West extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190920-028-X (0-3)	028-X	9/20/2019	10:57	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 028 sample area that was placed back over the 028 and 029 sample areas
SITG-190919-029-C (0-3)	029-C	9/19/2019	14:39	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-029-C-D (0-3)	029-C-D	9/19/2019	14:39	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-029-N (0-3)	029-N	9/19/2019	14:40	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-029-S (0-3)	029-S	9/19/2019	14:42	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190919-029-W (0-3)	029-W	9/19/2019	14:41	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Most west extent of RTWGH ditch and railgrade (PAJD0018 / PAJR0003) between RTWGH and Catchbox (PAJB0002 and PAJD0020)
SITG-190920-029-X (0-3)	029-X	9/20/2019	10:58	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 029 sample area that was placed back over the 029 sample area
SITG-190919-030-C (0-3)	030-C	9/19/2019	14:00	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Most east extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-030-E (0-3)	030-E	9/19/2019	14:02	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Most east extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-030-N (0-3)	030-N	9/19/2019	14:01	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Most east extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190919-030-S (0-3)	030-S	9/19/2019	14:03	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	Most east extent of RTEGH west ditch and railgrade (PAJD0019 / PAJR0003) between RTEGH and Catchbox (PAJB0001 and PAJD0020)
SITG-190920-030-X (0-3)	030-X	9/20/2019	10:45	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	3	Comp	Soil	From the 030 sample area that was placed east of the 016-X sample area
SITG-190920-031-C (0-4)	031-C	9/20/2019	8:44	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), directly north of catchbox (PAJD0020) between the RTEGH and RTWGH footprints
SITG-190920-031-E (0-4)	031-E	9/20/2019	8:45	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), directly north of catchbox (PAJD0020) between the RTEGH and RTWGH footprints
SITG-190920-031-W (0-4)	031-W	9/20/2019	8:46	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), directly north of catchbox (PAJD0020) between the RTEGH and RTWGH footprints
SITG-190920-031-X (0-4)	031-X	9/20/2019	10:59	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	From the 031 sample area that was placed over 019 and 020 sample areas
SITG-190920-032-C (0-4)	032-C	9/20/2019	8:47	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), between the RTEGH and RTWGH footprints
SITG-190920-032-E (0-4)	032-E	9/20/2019	8:48	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), between the RTEGH and RTWGH footprints
SITG-190920-032-W (0-4)	032-W	9/20/2019	8:49	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), between the RTEGH and RTWGH footprints
SITG-190920-032-X (0-4)	032-X	9/20/2019	11:00	SI	PAJ	Between RTWGH and RTEGH	PAJD0020	0	4	Comp	Soil	From the 032 sample area that was placed north of 031-X sample area
SITG-190920-033-C (0-4)	033-C	9/20/2019	8:50	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), directly south of Railgrade 1, between the RTEGH and RTWGH footprints
SITG-190920-033-E (0-4)	033-E	9/20/2019	8:51	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Between Railgrade 1 (PAJR0001) and catchbox (PAJD0020), directly south of Railgrade 1, between the RTEGH and RTWGH footprints
SITG-190920-034-C (0-4)	034-C	9/20/2019	8:52	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 033 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-034-S (0-4)	034-S	9/20/2019	8:54	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 033 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-034-W (0-4)	034-W	9/20/2019	8:53	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 033 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-035-C (0-4)	035-C	9/20/2019	8:55	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 034 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-035-C-D (0-4)	035-C-D	9/20/2019	8:55	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 034 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-035-S (0-4)	035-S	9/20/2019	8:56	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 034 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-035-X (0-4)	035-X	9/20/2019	11:01	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 035 sample area that was placed west of 025-X and east 044-X sample areas
SITG-190920-036-C (0-4)	036-C	9/20/2019	8:57	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 035 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-036-S (0-4)	036-S	9/20/2019	8:59	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 034 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-036-W (0-4)	036-W	9/20/2019	8:58	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 034 and directly south of Railgrade 1 (PAJR0001)
SITG-190920-036-X (0-4)	036-X	9/20/2019	11:02	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 036 sample area that was placed north of the 028-X
SITG-190920-037-C (0-4)	037-C	9/20/2019	9:00	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	North of catchbox (PAJD0020) and centered on Railgrade 1 (PAJR0001)
SITG-190920-038-C (0-4)	038-C	9/20/2019	9:01	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 037 and centered on Railgrade 1 (PAJR0001)
SITG-190920-039-C (0-4)	039-C	9/20/2019	9:02	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 038 and centered on Railgrade 1 (PAJR0001)
SITG-190920-040-C (0-4)	040-C	9/20/2019	9:03	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 039 and centered on Railgrade 1 (PAJR0001)
SITG-190920-040-N (0-4)	040-N	9/20/2019	9:05	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 039 and centered on Railgrade 1 (PAJR0001)
SITG-190920-040-W (0-4)	040-W	9/20/2019	9:04	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 039 and centered on Railgrade 1 (PAJR0001)
SITG-190920-041-C (0-4)	041-C	9/20/2019	9:06	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	North of catchbox (PAJD0020) and directly north of Railgrade 1 (PAJR0001)
SITG-190920-041-C-D (0-4)	041-C-D	9/20/2019	9:06	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	North of catchbox (PAJD0020) and directly north of Railgrade 1 (PAJR0001)
SITG-190920-041-E (0-4)	041-E	9/20/2019	9:07	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	North of catchbox (PAJD0020) and directly north of Railgrade 1 (PAJR0001)
SITG-190920-041-N (0-4)	041-N	9/20/2019	9:08	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	North of catchbox (PAJD0020) and directly north of Railgrade 1 (PAJR0001)
SITG-190920-041-X (0-4)	041-X	9/20/2019	11:03	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 041 sample area that was placed on of the 041
SITG-190920-042-C (0-4)	042-C	9/20/2019	9:09	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 041 and directly north of Railgrade 1 (PAJR0001)
SITG-190920-042-N (0-4)	042-N	9/20/2019	9:10	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 041 and directly north of Railgrade 1 (PAJR0001)
SITG-190920-042-X (0-4)	042-X	9/20/2019	11:04	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 042 sample area that was placed on of the 043 sample area
SITG-190920-042-X-D (0-4)	042-X-D	9/20/2019	11:04	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 042 sample area that was placed on of the 043 sample area
SITG-190920-043-C (0-4)	043-C	9/20/2019	9:11	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 042 and directly north of Railgrade 1 (PAJR0001)
SITG-190920-043-N (0-4)	043-N	9/20/2019	9:12	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 042 and directly north of Railgrade 1 (PAJR0001)

**Table 1 (a)**  
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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-190920-043-W (0-4)	043-W	9/20/2019	9:13	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly west of sample 042 and directly north of Railgrade 1 (PAJR0001)
SITG-191008-043-W-R (0-4)	043-W-R	10/8/2019	14:01	SI	PAJ	Between RTWGH and RTEGH	PAHD0022	0	4	Comp	Soil	Re-sample 043 -W following further excavation
SITG-191008-043-W-R-D (0-4)	043-W-R-D	10/8/2019	14:01	SI	PAJ	Between RTWGH and RTEGH	PAHD0022	0	4	Comp	Soil	Re-sample 043 -W following further excavation
SITG-190920-043-X (0-4)	043-X	9/20/2019	11:05	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 043 sample area that was placed on of the 040 and 043 sample areas
SITG-190920-044-C (0-3)	044-C	9/20/2019	13:31	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Directly north of sample 028 north of railgrade 3 / RTWGH ditch (PAJR0003 / PAJD0018)
SITG-190920-044-C-D (0-3)	044-C-D	9/20/2019	13:31	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Directly north of sample 028 north of railgrade 3 / RTWGH ditch (PAJR0003 / PAJD0018)
SITG-190920-044-E (0-3)	044-E	9/20/2019	13:33	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Directly north of sample 028 north of railgrade 3 / RTWGH ditch (PAJR0003 / PAJD0018)
SITG-190920-044-N (0-3)	044-N	9/20/2019	13:35	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Directly north of sample 028 north of railgrade 3 / RTWGH ditch (PAJR0003 / PAJD0018)
SITG-190920-044-W (0-3)	044-W	9/20/2019	13:34	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	Directly north of sample 028 north of railgrade 3 / RTWGH ditch (PAJR0003 / PAJD0018)
SITG-190920-044-X (0-3)	044-X	9/20/2019	13:36	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	3	Comp	Soil	From the 044 sample area that was placed north of 027-X and west of 035-X sample areas
SITG-190924-045-C (0-4)	045-C	9/24/2019	14:31	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 046 and on railgrade 1 (PAJR0001)
SITG-190924-045-C-D (0-4)	045-C-D	9/24/2019	14:31	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 046 and on railgrade 1 (PAJR0001)
SITG-190924-045-E (0-4)	045-E	9/24/2019	15:01	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 046 and on railgrade 1 (PAJR0001)
SITG-190924-045-N (0-4)	045-N	9/24/2019	14:33	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 046 and on railgrade 1 (PAJR0001)
SITG-190924-045-S (0-4)	045-S	9/24/2019	14:34	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 046 and on railgrade 1 (PAJR0001)
SITG-190924-045-X (0-4)	045-X	9/24/2019	14:30	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 045 sample area that was placed north of RTEGH and east of the 046-X sample area
SITG-190924-046-C (0-4)	046-C	9/24/2019	14:36	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 047 and on railgrade 1 (PAJR0001)
SITG-190924-046-N (0-4)	046-N	9/24/2019	14:37	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 047 and on railgrade 1 (PAJR0001)
SITG-190924-046-S (0-4)	046-S	9/24/2019	14:38	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 047 and on railgrade 1 (PAJR0001)
SITG-190924-046-X (0-4)	046-X	9/24/2019	14:35	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 046 sample area that was placed northwest of RTEGH and on 045 and 046 sample areas
SITG-190924-047-C (0-4)	047-C	9/24/2019	14:40	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 048 and on railgrade 1 (PAJR0001)
SITG-190924-047-N (0-4)	047-N	9/24/2019	14:41	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 048 and on railgrade 1 (PAJR0001)
SITG-190924-047-S (0-4)	047-S	9/24/2019	14:42	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 048 and on railgrade 1 (PAJR0001)
SITG-190924-047-X (0-4)	047-X	9/24/2019	14:39	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 047 sample area that was placed on 047 sample area
SITG-190924-048-C (0-4)	048-C	9/24/2019	14:44	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 049 and on railgrade 1 (PAJR0001)
SITG-190924-048-N (0-4)	048-N	9/24/2019	14:45	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 049 and on railgrade 1 (PAJR0001)
SITG-190924-048-S (0-4)	048-S	9/24/2019	14:46	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 049 and on railgrade 1 (PAJR0001)
SITG-190924-048-X (0-4)	048-X	9/24/2019	14:43	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 048 sample area that was placed on 048 sample area
SITG-190924-049-C (0-4)	049-C	9/24/2019	14:49	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 050 and on railgrade 1 (PAJR0001)
SITG-190924-049-N (0-4)	049-N	9/24/2019	14:48	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 050 and on railgrade 1 (PAJR0001)
SITG-190924-049-S (0-4)	049-S	9/24/2019	14:50	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 050 and on railgrade 1 (PAJR0001)
SITG-190924-049-X (0-4)	049-X	9/24/2019	14:47	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 049 sample area that was placed on 049 sample area
SITG-190924-050-C (0-4)	050-C	9/24/2019	14:53	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 037 and on railgrade 1 (PAJR0001)
SITG-190924-050-C-D (0-4)	050-C-D	9/24/2019	14:53	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 037 and on railgrade 1 (PAJR0001)
SITG-190924-050-N (0-4)	050-N	9/24/2019	14:54	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 037 and on railgrade 1 (PAJR0001)
SITG-190924-050-S (0-4)	050-S	9/24/2019	14:55	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	Directly east of sample 037 and on railgrade 1 (PAJR0001)
SITG-190924-050-X (0-4)	050-X	9/24/2019	14:51	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	4	Comp	Soil	From the 050 sample area that was placed on 041 and 050 sample areas
SITG-190924-051-C (0-3)	051-C	9/24/2019	14:57	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	3	Comp	Soil	Directly west of sample 036 and directly south of Railgrade 1 (PAJR0001)
SITG-190924-051-N (0-3)	051-N	9/24/2019	14:58	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	3	Comp	Soil	Directly west of sample 036 and directly south of Railgrade 1 (PAJR0001)
SITG-190924-051-S (0-3)	051-S	9/24/2019	14:59	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	3	Comp	Soil	Directly west of sample 036 and directly south of Railgrade 1 (PAJR0001)
SITG-190924-051-W (0-3)	051-W	9/24/2019	15:00	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	3	Comp	Soil	Directly west of sample 036 and directly south of Railgrade 1 (PAJR0001)
SITG-190924-051-X (0-3)	051-X	9/24/2019	14:56	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	3	Comp	Soil	From the 051 sample area that was placed on 036
SITG-190925-052-C (0-1)	052-C	9/25/2019	9:45	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch and between railgrades 1 and 3 (PAJD0030 and PAJR0001 / 0003) directly east of sample 076
SITG-190925-053-C (0-1)	053-C	9/25/2019	9:46	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch and between railgrades 1 and 3 (PAJD0030 and PAJR0001 / 0003) directly east of sample 052
SITG-190925-053-X (0-1)	053-X	9/25/2019	9:52	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	From the 053 sample area that was placed on 052
SITG-190925-054-C (0-1)	054-C	9/25/2019	9:47	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area and between railgrades 1 and 3 (PAJR0001 / 0003) directly east of sample 053
SITG-190925-055-C (0-1)	055-C	9/25/2019	9:48	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area and between railgrades 1 and 3 (PAJR0001 / 0003) directly east of sample 054
SITG-190925-055-X (0-1)	055-X	9/25/2019	9:50	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	From the 056 sample area that was placed on 081 and 082 sample areas
SITG-190925-056-C (0-1)	056-C	9/25/2019	9:49	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area and between railgrades 1 and 3 (PAJR0001 / 0003) directly east of sample 055
SITG-190925-056-X (0-1)	056-X	9/25/2019	9:51	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	From the 055 sample area that was placed on 081 sample area
SITG-190925-057-C (0-3)	057-C	9/25/2019	9:53	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	3	Comp	Soil	East of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) directly east of sample 076
SITG-190925-058-C (0-3)	058-C	9/25/2019	9:54	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	3	Comp	Soil	East of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) directly east of sample 057
SITG-190925-059-C (0-2)	059-C	9/25/2019	9:55	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in RTEGH eastern overflow area between railgrades 1 and 3 ( PAJR0001 / 0003) directly east of sample 058
SITG-190925-060-C (0-3)	060-C	9/25/2019	9:56	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	3	Comp	Soil	East of the RTEGH footprint (PAJB0001) in RTEGH eastern overflow area between railgrades 1 and 3 ( PAJR0001 / 0003) directly east of sample 059

**Table 1 (a)**  
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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-190925-061-C (0-1)	061-C	9/25/2019	9:57	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) in RTEGH eastern overflow area between railgrades 1 and 3 ( PAJR0001 / 0003) directly east of sample 060
SITG-190925-062-C (0-2)	062-C	9/25/2019	9:58	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in RTEGH eastern overflow area between railgrades 1 and 3 ( PAJR0001 / 0003) directly east of sample 061
SITG-190925-062-E (0-2)	062-E	9/25/2019	10:16	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in RTEGH eastern overflow area between railgrades 1 and 3 ( PAJR0001 / 0003) directly east of sample 061
SITG-190925-062-X (0-2)	062-X	9/25/2019	10:17	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 062 sample area that was placed on 082 sample area
SITG-190925-063-C (0-2)	063-C	9/25/2019	9:59	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in RTEGH eastern overflow area between railgrades 1 and 3 ( PAJR0001 / 0003) directly east of sample 062
SITG-190925-063-E (0-2)	063-E	9/25/2019	10:18	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in RTEGH eastern overflow area between railgrades 1 and 3 ( PAJR0001 / 0003) directly east of sample 062
SITG-190925-063-X (0-2)	063-X	9/25/2019	10:19	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 063 sample area that was placed on the north side of the 055 and 056 sample areas
SITG-190925-064-C (0-2)	064-C	9/25/2019	10:00	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) directly east of sample 079
SITG-190925-064-X (0-2)	064-X	9/25/2019	10:08	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 064 sample area that was placed on 052, 057, 064, 076, and 079 sample areas
SITG-190925-065-C (0-2)	065-C	9/25/2019	10:01	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) directly east of sample 064
SITG-190925-065-X (0-2)	065-X	9/25/2019	10:09	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 065 sample area that was placed on 053, 058, and 065
SITG-190925-066-C (0-2)	066-C	9/25/2019	10:02	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) directly east of sample 065
SITG-190925-066-X (0-2)	066-X	9/25/2019	10:10	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 066 sample area that was placed on 054, 059 and 066
SITG-190925-067-C (0-1)	067-C	9/25/2019	10:03	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) directly east of sample 066
SITG-190925-067-X (0-1)	067-X	9/25/2019	10:11	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	From the 067 sample area that was placed on 055, 060 and 067
SITG-190925-068-C (0-1)	068-C	9/25/2019	10:04	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area / railgrade 3 (PAJR0003) directly east of sample 067
SITG-190925-068-C-D (0-1)	068-C-D	9/25/2019	10:04	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area / railgrade 3 (PAJR0003) directly east of sample 067
SITG-190925-068-X (0-1)	068-X	9/25/2019	10:12	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	From the 068 sample area that was placed on 056, 061 and 068
SITG-190925-069-C (0-2)	069-C	9/25/2019	10:05	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area / railgrade 3 (PAJR0003) directly east of sample 068
SITG-190925-069-X (0-2)	069-X	9/25/2019	10:13	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 069 sample area that was placed on 056, 061, 068, and 069 sample areas
SITG-190925-070-C (0-2)	070-C	9/25/2019	10:06	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area / railgrade 3 (PAJR0003) directly east of sample 069
SITG-190925-070-X (0-2)	070-X	9/25/2019	10:14	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 070 sample area that was placed on 062, 063, 069, and 070 sample areas
SITG-190925-071-C (0-2)	071-C	9/25/2019	10:07	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area / railgrade 3 (PAJR0003) directly east of sample 070
SITG-190925-071-E (0-2)	071-E	9/25/2019	10:20	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area / railgrade 3 (PAJR0003) directly east of sample 070
SITG-190925-071-X (0-2)	071-X	9/25/2019	10:21	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 071 sample area that was placed on 063, 070, 071, and 072 sample areas
SITG-190925-071-X-D (0-2)	071-X-D	9/25/2019	10:21	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 071 sample area that was placed on 063, 070, 071, and 072 sample areas
SITG-190925-072-C (0-2)	072-C	9/25/2019	10:22	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) in eastern overflow area directly south of railgrade 3 (PAJR0003) directly south of sample 071
SITG-190925-072-X (0-2)	072-X	9/25/2019	10:15	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 072 sample area that was placed south of 071-X sample areas
SITG-190925-073-C (0-2)	073-C	9/25/2019	14:30	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch and between railgrades 1 and 3 (PAJD0030 and PAJR0001 / 0003) directly north of sample 075
SITG-190925-073-X (0-2)	073-X	9/25/2019	14:33	SI	PAJ	Adjacent and east of the RTEGH	PAJD0030	0	2	Comp	Soil	From the 073 sample area that was placed on north side of RTEGH
SITG-190925-074-C (0-2)	074-C	9/25/2019	14:36	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	Directly east of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) on former RTEGH motor house foundation (PAJB0008) directly north of sample 077
SITG-190925-074-N (0-2)	074-N	9/25/2019	14:39	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	Directly east of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) on former RTEGH motor house foundation (PAJB0008) directly north of sample 077
SITG-190925-074-W (0-2)	074-W	9/25/2019	14:42	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	Directly east of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) on former RTEGH motor house foundation (PAJB0008) directly north of sample 077
SITG-190925-074-X (0-2)	074-X	9/25/2019	14:45	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	From the 074 sample area that was placed on 074, 075, 076, 077, 078, and 079 sample areas
SITG-190925-075-C (0-2)	075-C	9/25/2019	14:48	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) directly east of sample 074
SITG-190925-075-N (0-2)	075-N	9/25/2019	14:51	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) directly east of sample 074
SITG-190925-076-C (0-2)	076-C	9/25/2019	14:54	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) directly east of sample 075
SITG-190925-076-C-D (0-2)	076-C-D	9/25/2019	14:54	SI	PAJ	Adjacent and east of the RTEGH	PAJD0031	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) between eastern overflow ditches / railgrades 1 and 3 (PAJD0030 / 0031 and PAJR0001 / 0003) directly east of sample 075
SITG-190925-077-C (0-2)	077-C	9/25/2019	14:57	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	Directly east of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003)
SITG-190925-077-W (0-2)	077-W	9/25/2019	15:00	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	Directly east of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003)
SITG-191015-077-W-R (0-3)	077-W-R	10/15/2019	9:12	SI	PAJ	Between RTWGH and RTEGH	PAJR0003	0	3	Comp	Soil	Directly east of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) - Resampled following additional excavation
SITG-191015-077-W-R-D (0-3)	077-W-R-D	10/15/2019	9:12	SI	PAJ	Between RTWGH and RTEGH	PAJR0003	0	3	Comp	Soil	Directly east of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) - Resampled following additional excavation
SITG-190925-077-X (0-2)	077-X	9/25/2019	15:03	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	From the 077 sample area that was placed on the RTEGH former location and on 074 and 077 sample areas
SITG-190925-078-C (0-2)	078-C	9/25/2019	15:06	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) directly east of sample 077
SITG-190925-079-C (0-2)	079-C	9/25/2019	15:09	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	2	Comp	Soil	East of the RTEGH footprint (PAJB0001) on eastern overflow ditch / railgrade 3 (PAJD0031 / PAJR0003) directly east of sample 078
SITG-190926-080-C (0-1)	080-C	9/26/2019	9:55	SI	PAJ	Adjacent and east of the RTEGH	PAJR0001	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) north of RTEGH eastern drainage ditch (PAJD0030) and on railgrade 1 (PAJR0001) directly north of sample 052
SITG-190926-080-C-D (0-1)	080-C-D	9/26/2019	9:55	SI	PAJ	Adjacent and east of the RTEGH	W10	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) north of RTEGH eastern drainage ditch (PAJD0030) and on railgrade 1 (PAJR0001) directly north of sample 052
SITG-190926-081-C (0-1)	081-C	9/26/2019	9:57	SI	PAJ	Adjacent and east of the RTEGH	PAJR0001	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) north of RTEGH eastern drainage ditch (PAJD0030) and on railgrade 1 (PAJR0001) directly east of sample 080

**Table 1 (a)**  
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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-190926-081-X (0-1)	081-X	9/26/2019	9:59	SI	PAJ	Adjacent and east of the RTEGH	PAJR0001	0	1	Comp	Soil	From the 081 sample area that was placed on 081 sample area
SITG-190926-082-C (0-1)	082-C	9/26/2019	10:01	SI	PAJ	Adjacent and east of the RTEGH	PAJR0001	0	1	Comp	Soil	East of the RTEGH footprint (PAJB0001) north of RTEGH eastern drainage ditch (PAJD0030) and on railgrade 1 (PAJR0001) directly east of sample 081
SITG-190926-082-E (0-1)	082-E	9/26/2019	10:03	SI	PAJ	Adjacent and east of the RTEGH	PAJR0001	0	1	Comp	Soil	From 082 along the eastern and southern edge of 082 sample area
SITG-191008-083-C (0-8)	083-C	10/8/2019	10:55	SI	PAJ	TNT09/10 Area Drainage	PAHD0022	0	8	Comp	Soil	Test pit directly at the intersection of PAH area drainage ditch (PAJD0022) and central drainage (PAJD0001) southwest to northeast orientation
SITG-190927-084-C (0-3)	084-C	9/27/2019	10:10	SI	PAJ	TNT09/10 Area Drainage	PAHD0022	0	3	Comp	Soil	Test pit north of sample 087 and 75 ft north of the intersection of PAH area drainage ditch (PAJD0022) and central drainage (PAJD0001)
SITG-191008-085-C (0-8)	085-C	10/8/2019	11:00	SI	PAJ	TNT09/10 Area Drainage	PAHD0022	0	8	Comp	Soil	Test pit north of sample 084 and 175 ft north of the intersection of PAH area drainage ditch (PAJD0022) and central drainage (PAJD0001)
SITG-191008-086-C (0-8)	086-C	10/8/2019	10:50	SI	PAJ	TNT09/10 Area Drainage	PAHD0022	0	8	Comp	Soil	Test pit north of sample 085 and 229 ft north of the intersection of PAH area drainage ditch (PAJD0022) and central drainage (PAJD0001)
SITG-191008-087-C (0-8)	087-C	10/8/2019	11:15	SI	PAJ	TNT09/10 Area Drainage	PAHD0022	0	8	Comp	Soil	Test pit north of sample 083 and the intersection of PAH area drainage ditch (PAJD0022) and central drainage (PAJD0001)
SITG-191008-088-C (0-8)	088-C	10/8/2019	11:10	SI	PAJ	TNT09/10 Area Drainage	PAHD0022	0	8	Comp	Soil	Test pit north of the central drainage (PAJD0001) on the fireline 29 feet directly east from sample location for 085
SITG-191010-089-C (0-3)	089-C	10/10/2019	8:30	SI	PAJ	Refined Triton Tank Storage Buildings and Adjacent Ditch	PAJB0003	0	3	Comp	Soil	Southeast of tank storage area (PAJB0003) south of catchbox (PAJD0020) directly east of area refined triton area drainage (PAJD0005)
SITG-191010-089-N (0-3)	089-N	10/10/2019	8:33	SI	PAJ	Refined Triton Tank Storage Buildings and Adjacent Ditch	PAJB0003	0	3	Comp	Soil	From sample 089-C
SITG-191010-089-S (0-3)	089-S	10/10/2019	8:36	SI	PAJ	Refined Triton Tank Storage Buildings and Adjacent Ditch	PAJB0003	0	3	Comp	Soil	From sample 089-C wraps around the east and south side of sample area
SITG-191010-090-C (0-3)	090-C	10/10/2019	8:39	SI	PAJ	Refined Triton Tank Storage Buildings and Adjacent Ditch	PAJB0003	0	3	Comp	Soil	South of tank storage area (PAJB0003) 100 ft south of catchbox (PAJD0020) east of area refined triton area drainage (PAJD0005) directly east of sample 089
SITG-191010-090-N (0-3)	090-N	10/10/2019	8:42	SI	PAJ	Refined Triton Tank Storage Buildings and Adjacent Ditch	PAJB0003	0	3	Comp	Soil	From sample 090-C wraps around part of the west and all of the north side of sample area
SITG-191010-090-S (0-3)	090-S	10/10/2019	8:45	SI	PAJ	Refined Triton Tank Storage Buildings and Adjacent Ditch	PAJB0003	0	3	Comp	Soil	From sample 090-C wraps around part of the west and all of the south side of sample area
SITG-191022-091-Z (0-1)	091-Z	10/22/2019	9:40	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	1	Comp	Soil	Northwest of the RTWGH and RTEGH ditches / catchbox / railgrades 1 and 3 (PAJD0018 / 0019 / 0020 / PAJR0001 / 0003) area
SITG-191022-092-Z (0-1)	092-Z	10/22/2019	9:44	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	1	Comp	Soil	North of the RTWGH and RTEGH ditches / catchbox / railgrades 1 and 3 (PAJD0018 / 0019 / 0020 / PAJR0001 / 0003) area
SITG-191022-093-Z (0-1)	093-Z	10/22/2019	9:48	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	1	Comp	Soil	Northeast of the RTWGH and RTEGH ditches / catchbox / railgrades 1 and 3 (PAJD0018 / 0019 / 0020 / PAJR0001 / 0003) area
SITG-191022-094-Z (0-1)	094-Z	10/22/2019	9:52	SI	PAJ	Between RTWGH and RTEGH	PAJR0001	0	1	Comp	Soil	North of the RTEGH (PAJB0001) footprint on railgrade 1 (PAJR0001)
SITG-191022-095-Z (0-1)	095-Z	10/22/2019	9:56	SI	PAJ	Between RTWGH and RTEGH	PAJD0018	0	1	Comp	Soil	West of the RTWGH and RTEGH ditches / catchbox / railgrades 1 and 3 (PAJD0018 / 0019 / 0020 / PAJR0001 / 0003) area
SITG-191022-096-Z (0-1)	096-Z	10/22/2019	10:00	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	1	Comp	Soil	Centered on the RTWGH and RTEGH ditches / catchbox / railgrades 1 and 3 (PAJD0018 / 0019 / 0020 / PAJR0001 / 0003) area
SITG-191022-097-Z (0-1)	097-Z	10/22/2019	10:04	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	1	Comp	Soil	East of the RTWGH and RTEGH ditches / catchbox / railgrades 1 and 3 (PAJD0018 / 0019 / 0020 / PAJR0001 / 0003) area
SITG-191022-098-Z (0-1)	098-Z	10/22/2019	10:08	SI	PAJ	Between RTWGH and RTEGH	PAJD0019	0	1	Comp	Soil	On the RTEGH (PAJB0001) footprint on railgrade 3 (PAJR0003)
SITG-191022-099-Z (0-1)	099-Z	10/22/2019	10:12	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	On the RTEGH eastern drains (PAJD0030 / 0031) on railgrade 3 (PAJR0003)
SITG-191022-100-Z (0-1)	100-Z	10/22/2019	10:16	SI	PAJ	Adjacent and east of the RTEGH	PAJR0001	0	1	Comp	Soil	On the north side of RTEGH eastern drainage area on railgrade 1 (PAJR0001)
SITG-191022-101-Z (0-1)	101-Z	10/22/2019	10:20	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	On the RTEGH eastern drainage area the RTEGH eastern drains (PAJD0030 / 0031) and on railgrade 3 (PAJR0003)
SITG-191022-101-Z-D (0-1)	101-Z-D	10/22/2019	10:20	SI	PAJ	Adjacent and east of the RTEGH	PAJR0001	0	1	Comp	Soil	On the RTEGH eastern drainage area the RTEGH eastern drains (PAJD0030 / 0031) and on railgrade 3 (PAJR0003)
SITG-191022-102-Z (0-1)	102-Z	10/22/2019	10:24	SI	PAJ	Adjacent and east of the RTEGH	PAJR0003	0	1	Comp	Soil	On the RTEGH eastern drainage area on railgrade 3 (PAJR0003)
SITG-191022-103-Z (0-1)	103-Z	10/22/2019	10:28	SI	PAJ	RTSH Area	PAJB0004	0	1	Comp	Soil	On the northwest of the RTSH (PAJB0004) footprint
SITG-191022-104-Z (0-1)	104-Z	10/22/2019	10:32	SI	PAJ	RTSH Area	PAJB0004	0	1	Comp	Soil	On the north of the RTSH (PAJB0004) footprint
SITG-191022-105-Z (0-1)	105-Z	10/22/2019	10:36	SI	PAJ	RTSH Area	PAJB0004	0	1	Comp	Soil	On the southwest of the RTSH (PAJB0004) footprint
SITG-191022-106-Z (0-1)	106-Z	10/22/2019	10:40	SI	PAJ	RTSH Area	PAJB0004	0	1	Comp	Soil	On the south of the RTSH (PAJB0004) footprint
SITG-191022-107-Z (0-1)	107-Z	10/22/2019	10:44	SI	PAJ	RTSH Area	PAJB0004	0	1	Comp	Soil	On the east of the RTSH (PAJB0004) footprint
SITG-191022-108-Z (0-1)	108-Z	10/22/2019	10:48	SI	PAJ	RTSH Area	PAJB0004	0	1	Comp	Soil	On the far south side of the RTSH (PAJB0004) area
SIGP-190812-PAJ-68-0-2	68 (0-2)	8/12/2019	16:25	SI	PAJ	Non-production related areas	Grid 68	0	2	Comp	Soil	Northeast of RTEGH
SIGP-190812-PAJ-68-2-4	68 (2-4)	8/12/2019	16:40	SI	PAJ	Non-production related areas	Grid 68	2	4	Comp	Soil	Northeast of RTEGH
SIGP-190813-PAJ-69-0-2	69 (0-2)	8/13/2019	14:36	SI	PAJ	Non-production related areas	Grid 69	0	2	Comp	Soil	North side of RTWGH
SIGP-190813-PAJ-69-2-4	69 (2-4)	8/13/2019	14:40	SI	PAJ	Non-production related areas	Grid 69	2	4	Comp	Soil	North side of RTWGH
SIGP-190813-PAJ-70-0-2	70 (0-2)	8/13/2019	13:10	SI	PAJ	Non-production related areas	Grid 70	0	2	Comp	Soil	Northeast side of RTWGH
SIGP-190813-PAJ-70-2-4	70 (2-4)	8/13/2019	13:30	SI	PAJ	Non-production related areas	Grid 70	2	4	Comp	Soil	Northeast side of RTWGH
SIGP-190815-PAJ-72 (0-2)	72 (0-2)	8/15/2019	8:30	SI	PAJ	Non-production related areas	Grid 72	0	2	Comp	Soil	South of Catchbox
SIGP-190815-PAJ-72 (2-4)	72 (2-4)	8/15/2019	8:32	SI	PAJ	Non-production related areas	Grid 72	2	4	Comp	Soil	South of Catchbox
SIGP-190815-PAJ-73 (0-2)	73 (0-2)	8/15/2019	10:40	SI	PAJ	Non-production related areas	Grid 73	0	2	Comp	Soil	Northwest side of WWI Pond 3
SIGP-190815-PAJ-73 (2-4)	73 (2-4)	8/15/2019	10:50	SI	PAJ	Non-production related areas	Grid 73	2	4	Comp	Soil	Northwest side of WWI Pond 3

**Table 1 (a)**

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
SIGP-190815-PAJ-73 (0-2)-D	73 (0-2)-D	8/15/2019	10:40	SI	PAJ	Non-production related areas	Grid 73	0	2	Comp	Soil	Northwest side of WWI Pond 3
SIGP-190816-PAJ-74 (0-2)	74 (0-2)	8/16/2019	10:35	SI	PAJ	Non-production related areas	Grid 74	0	2	Comp	Soil	Northeast side of WWI Pond 3
SIGP-190816-PAJ-74 (2-4)	74 (2-4)	8/16/2019	10:34	SI	PAJ	Non-production related areas	Grid 74	2	4	Comp	Soil	Northeast side of WWI Pond 3
SIGP-191015-PAJ-71 (0-2)	71 (0-2)	10/15/2019	14:25	SI	PAJ	Non-production related areas	Grid 71	0	2	Comp	Soil	North side of RTSH
SIGP-191015-PAJ-71 (2-4)	71 (2-4)	10/15/2019	14:25	SI	PAJ	Non-production related areas	Grid 71	0	4	Comp	Soil	North side of RTSH

**Notes:**

- SI: Site Investigation
- PAJ: Production Area J
- ft: Feet
- bgs: Below ground surface
- Comp: Composite
- RTSH: Refined Triton Screening House
- RTEGH: Refined Triton East Graining House
- RTWGH: Refined Triton West Graining House

**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: Stockpile soil that was placed back into excavation
- Z: Surficial sample after backfilling and regrading
- R: Replacement sample collected after over-excavation
- D: Duplicate sample

**Table 1 (b)**

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**2019 Biopilot Cell Soil Samples**

2019 Site Investigation Summary Report Tables

Former DuPont Barksdale Works

Town of Barksdale, Bayfield County, Wisconsin

BRRS: 02-04-000156

Sample ID	Quick Reference Name	Date	Time	Project	Work area	Feature Location ID	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Sample Type	Matrix
BPSB-190604-C06	C06	6/4/2019	15:50	Biopilot	PAB	PABB0035	0	1	Comp	Soil
BPSB-190604-C12	C12	6/4/2019	15:35	Biopilot	PAC	PACB0007	0	1	Comp	Soil
BPSB-190604-C16	C16	6/4/2019	15:20	Biopilot	PAJ	PAJD0005	0	1	Comp	Soil
BPSB-190604-C17	C17	6/4/2019	16:10	Biopilot	PAL	PALB0009	0	1	Comp	Soil
BPSB-190604-C21	C21	6/4/2019	14:48	Biopilot	PAH	PAHD0008	0	1	Comp	Soil
BPSB-190604-C24	C24	6/4/2019	14:54	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-190604-C25	C25	6/4/2019	14:55	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-190604-C26	C26	6/4/2019	15:00	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-190604-C27	C27	6/4/2019	14:45	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-190604-C28	C28	6/4/2019	15:00	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-190610-C31	C31	6/10/2019	16:00	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-190610-C33	C33	6/10/2019	16:10	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-190814-C31	C31	8/14/2019	13:15	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-191015-C-33	C33	10/15/2019	9:21	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-191015-C-35	C35	10/15/2019	9:36	Biopilot	PAH	None	0	1	Comp	Soil
BPSB-191015-C-36	C36	10/15/2019	9:32	Biopilot	PAH	None	0	1	Comp	Soil
BPSP-190913-C-20	C20	09/13/2019	10:12	Biopilot	PAH	PAHB0028	0	1	Comp	Soil

**Notes:**

bgs: Below ground surface

C: Cell

Comp: Composite

ft: Feet

**Table 1 (c)**

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**2019 Other Site Samples**

2019 Site Investigation Summary Report Tables

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
SW0419-SW-E001	4/24/2019	13:00	Site Investigation	Perimeter	E001	Grab	Surface water
SW0419-SW-E001 DUP	4/24/2019	13:00	Site Investigation	Perimeter	E001	Grab	Surface water
SW0419-SW-C001	4/24/2019	14:55	Site Investigation	Perimeter	C001	Grab	Surface water
SW0419-SW-D001	4/24/2019	15:15	Site Investigation	Perimeter	D001	Grab	Surface water
SW0419-SW-I001	4/24/2019	16:05	Site Investigation	Perimeter	I001	Grab	Surface water
SW0419-SW-H001	4/24/2019	16:20	Site Investigation	Perimeter	H001	Grab	Surface water
SW0419-SW-J001	4/24/2019	16:40	Site Investigation	Perimeter	J001	Grab	Surface water
SW0419-SW-K001	4/24/2019	17:00	Site Investigation	Perimeter	K001	Grab	Surface water
SW0419-SW-A001	4/24/2019	17:15	Site Investigation	Perimeter	A001	Grab	Surface water
SW-0419-F001	4/24/2019	18:00	Site Investigation	Perimeter	F001	Grab	Surface water
SW-0419-G001	4/24/2019	18:15	Site Investigation	Perimeter	G001	Grab	Surface water
SW-0419-B002	4/24/2019	18:35	Site Investigation	Perimeter	B002	Grab	Surface water
SW-0419-B001	4/24/2019	18:50	Site Investigation	Perimeter	B001	Grab	Surface water
SW0419-SED-C001	4/24/2019	15:00	Site Investigation	Perimeter	C001	Grab	Sediment
SW0419-SED-D001	4/24/2019	15:20	Site Investigation	Perimeter	D001	Grab	Sediment
SW0419-SED-J001	4/24/2019	16:45	Site Investigation	Perimeter	J001	Grab	Sediment
SW0419-SED-B002	4/24/2019	18:40	Site Investigation	Perimeter	B002	Grab	Sediment
SW0419-SED-B001	4/24/2019	18:55	Site Investigation	Perimeter	B001	Grab	Sediment
GW2019-PZ-16-POT-INFLOW	8/21/2019	16:50	O & M	UAC	Main trailer before carbon	Grab	Ground water
GW2019-CLUBHOUSE-INFLOW	8/21/2019	15:30	O & M	PAL	Clubhouse before carbon	Grab	Ground water
SW1019-SW-C06	10/1/2019	11:40	Bio Pilot	PAB	C06	Grab	Surface water
SW1019-SW-C05	10/1/2019	11:20	Bio Pilot	PAC	C05	Grab	Surface water
SW1019-SED-C06	10/1/2019	11:45	Bio Pilot	PAB	C06	Grab	Sediment
SW1019-SED-C05	10/1/2019	11:25	Bio Pilot	PAC	C05	Grab	Sediment
SW1019-SW-WW1POND	10/7/2019	9:00	Site Investigation	PAJ	WW1POND 3	Grab	Surface water
SW1019-SED-WW1POND	10/7/2019	11:00	Site Investigation	PAJ	WW1POND 3	Grab	Sediment
SW1019-SW-Leachate	10/8/2019	7:45	Site Investigation	NA	NA	Grab	Water (lab test)

**Notes:**

C: Cell  
NA: Not applicable  
SED: Sediment  
SW: Surface water



**2019 Use Area SAA Soil Samples**  
 2019 Site Investigation Summary Report Tables  
 Former DuPont Barksdale Works  
 Town of Barksdale, Bayfield County, Wisconsin  
 BRRTS: 02-04-000156

Sample ID	Quick Reference Name	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Date Collected	Average Arsenic Concentration (ppm)	Average Lead Concentration (ppm)	Soil Description
SAA19-B0004-0001	B00040001	0	0.5	10/28/2019	19	175	Topsoil and Clay
SAA19-B0004-0002	B00040002	0	0.5	10/28/2019	35	176	CCBPs
SAA19-B0004-0002	B00040002	0.5	1	10/28/2019	19	53	CCBPs
SAA19-B0004-0003	B00040003	0.5	1	10/28/2019	10	51	Clay
SAA19-B0004-0003	B00040003	0	0.5	10/28/2019	9	38	Clay
SAA19-B0004-0004	B00040004	0.5	1	10/28/2019	12	63	Clay
SAA19-B0004-0004	B00040004	0	0.5	10/28/2019	7	67	Clay
SAA19-B0004-0005	B00040005	0.5	1	10/28/2019	17	69	Silty Clay
SAA19-B0004-0005	B00040005	0	0.5	10/28/2019	16	68	Topsoil and Clay
SAA19-B0004-0006	B00040006	0	0.5	10/28/2019	16	58	Silty Clay
SAA19-B0004-0006	B00040006	0.5	1	10/28/2019	10	43	Topsoil
SAA19-B0004-0007	B00040007	0	0.5	10/28/2019	21	110	Clay
SAA19-B0004-0007	B00040007	0.5	1	10/28/2019	15	59	Topsoil
SAA19-B0004-0008	B00040008	0	0.5	10/28/2019	47	234	Silty Clay
SAA19-B0004-0008	B00040008	0.5	1	10/28/2019	14	94	Silty Clay
SAA19-B0004-0009	B00040009	0	0.5	10/28/2019	31	230	Topsoil
SAA19-B0004-0009	B00040009	0.5	1	10/28/2019	25	201	Topsoil
SAA19-B0004-0010	B00040010	0	0.5	10/28/2019	117	1028	Topsoil
SAA19-B0004-0010	B00040010	0.5	1	10/28/2019	68	410	Topsoil and CCBPs
SAA19-B0004-0011	B00040011	0.5	1	10/28/2019	10	55	Clay
SAA19-B0004-0011	B00040011	0	0.5	10/28/2019	7	82	Silty Clay
SAA19-B0004-0012	B00040012	0.5	1	10/28/2019	7	41	Clay
SAA19-B0004-0012	B00040012	0	0.5	10/28/2019	6	65	Clay
SAA19-B0004-0013	B00040013	0	0.5	10/28/2019	3	32	Silty Clay
SAA19-B0004-0013	B00040013	0.5	1	10/28/2019	3	25	Silty Clay
SAA19-B0004-0014	B00040014	0	0.5	10/28/2019	7	22	Silty Clay
SAA19-B0004-0014	B00040014	0.5	1	10/28/2019	4	21	Clay
SAA19-B0004-0015	B00040015	0	0.5	10/28/2019	5	34	Clay Silt
SAA19-B0004-0015	B00040015	0.5	1	10/28/2019	2	41	Silty Clay
SAA19-B0004-0016	B00040016	0	0.5	10/28/2019	18	134	Topsoil
SAA19-B0004-0018	B00040018	0.5	1	10/28/2019	14	94	Clay Silt
SAA19-B0004-0018	B00040018	0	0.5	10/28/2019	12	87	Topsoil
SAA19-B0004-0019	B00040019	0	0.5	10/28/2019	80	1147	Topsoil
SAA19-B0004-0019	B00040019	0.5	1	10/28/2019	28	243	Silty Clay
SAA19-B0004-0020	B00040020	0	0.5	10/28/2019	7	29	Topsoil
SAA19-B0004-0020	B00040020	0.5	1	10/28/2019	5	22	Silty Clay
SAA19-B0004-0021	B00040021	0.5	1	10/28/2019	16	54	Topsoil
SAA19-B0004-0021	B00040021	0	0.5	10/28/2019	10	55	Topsoil
SAA19-B0004-0022	B00040022	0	0.5	10/28/2019	12	47	Topsoil and CCBPs
SAA19-B0004-0022	B00040022	0.5	1	10/28/2019	6	26	Clay
SAA19-B0004-0023	B00040023	0.5	1	10/28/2019	5	52	Silty Clay
SAA19-B0004-0023	B00040023	0	0.5	10/28/2019	5	23	Topsoil
SAA19-B0004-0024	B00040024	0	0.5	10/28/2019	2	59	Silty Clay
SAA19-B0004-0024	B00040024	0.5	1	10/28/2019	0	19	Silty Clay
SAA19-B0005-0001	B00050001	0.5	1	10/28/2019	306	1867	Topsoil and Purple Silt/Sand
SAA19-B0005-0001	B00050001	0	0.5	10/28/2019	92	642	Topsoil
SAA19-B0005-0002	B00050002	0.5	1	10/28/2019	27	226	Topsoil and Silt
SAA19-B0005-0002	B00050002	0	0.5	10/28/2019	7	122	Topsoil
SAA19-B0005-0003	B00050003	0.5	1	10/28/2019	43	400	Topsoil
SAA19-B0005-0003	B00050003	0	0.5	10/28/2019	41	471	Topsoil

**Table 1 (d)**  
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Sample ID	Quick Reference Name	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Date Collected	Average Arsenic Concentration (ppm)	Average Lead Concentration (ppm)	Soil Description
SAA19-B0005-0004	B00050004	0	0.5	10/28/2019	10	69	Clay
SAA19-B0005-0004	B00050004	0.5	1	10/28/2019	8	29	Clay
SAA19-B0005-0005	B00050005	0	0.5	10/28/2019	15	123	Silty Clay
SAA19-B0005-0005	B00050005	0.5	1	10/28/2019	6	30	Clay
SAA19-B0005-0006	B00050006	0	0.5	10/28/2019	2	35	Topsoil and Clay
SAA19-B0005-0006	B00050006	0.5	1	10/28/2019	2	35	Clay
SAA19-B0005-0007	B00050007	0	0.5	10/28/2019	31	358	Clay
SAA19-B0005-0007	B00050007	0.5	1	10/28/2019	10	85	Clay
SAA19-B0005-0008	B00050008	0.5	1	10/28/2019	25	192	Topsoil and CCBPs
SAA19-B0005-0008	B00050008	0	0.5	10/28/2019	21	118	Topsoil
SAA19-B0005-0009	B00050009	0.5	1	10/28/2019	7	28	Topsoil and Clay
SAA19-B0005-0009	B00050009	0	0.5	10/28/2019	2	28	Topsoil and Clay
SAA19-B0005-0010	B00050010	0.5	1	10/28/2019	3	27	Topsoil
SAA19-B0005-0010	B00050010	0	0.5	10/28/2019	3	31	Topsoil
SAA19-B0005-0011	B00050011	0.5	1	10/28/2019	13	84	Clay
SAA19-B0005-0011	B00050011	0	0.5	10/28/2019	3	110	Clay
SAA19-B0005-0012	B00050012	0.5	1	10/28/2019	8	28	Clay
SAA19-B0005-0012	B00050012	0	0.5	10/28/2019	4	31	Topsoil
SAA19-B0005-0013	B00050013	0	0.5	10/28/2019	6	32	Topsoil and Clay
SAA19-B0005-0013	B00050013	0.5	1	10/28/2019	2	23	Clay
SAA19-B0005-0014	B00050014	0	0.5	10/28/2019	9	64	Topsoil and Clay
SAA19-B0005-0014	B00050014	0.5	1	10/28/2019	0	40	Clay
SAA19-B0005-0015	B00050015	0	0.5	10/28/2019	100	914	Topsoil
SAA19-B0005-0015	B00050015	0.5	1	10/28/2019	53	614	Silty Clay
SAA19-B0005-0016	B00050016	0.5	1	10/28/2019	12	66	Clay
SAA19-B0005-0016	B00050016	0	0.5	10/28/2019	6	50	Clay
SAA19-B0005-0017	B00050017	0	0.5	10/28/2019	6	35	Clay
SAA19-B0005-0017	B00050017	0.5	1	10/28/2019	6	29	Clay
SAA19-B0005-0018	B00050018	0.5	1	10/28/2019	6	19	Topsoil
SAA19-B0005-0018	B00050018	0	0.5	10/28/2019	4	27	Topsoil
SAA19-B0005-0019	B00050019	0	0.5	10/28/2019	5	22	Topsoil
SAA19-B0005-0019	B00050019	0.5	1	10/28/2019	0	21	Topsoil
SAA19-B0005-0020	B00050020	0.5	1	10/28/2019	7	23	Silty Clay
SAA19-B0005-0020	B00050020	0	0.5	10/28/2019	5	35	Topsoil and Silty Clay
SAA19-B0005-0021	B00050021	0	0.5	10/28/2019	17	20	Topsoil and CCBPs
SAA19-B0005-0021	B00050021	0.5	1	10/28/2019	15	21	Topsoil and CCBPs
SAA19-B0005-0022	B00050022	0.5	1	10/28/2019	547	4427	Purple Silt /Sand
SAA19-B0005-0022	B00050022	0	0.5	10/28/2019	188	1518	Purple Silt /Sand
SAA19-B0005-0023	B00050023	0.5	1	10/28/2019	149	1267	Topsoil
SAA19-B0005-0023	B00050023	0	0.5	10/28/2019	23	198	Topsoil
SAA19-B0005-0024	B00050024	0.5	1	10/28/2019	105	537	CCBPs
SAA19-B0005-0024	B00050024	0	0.5	10/28/2019	19	96	Topsoil and CCBPs
SAA19-B0028-0001	B00280001	0	0.5	10/28/2019	11	107	Silty Clay
SAA19-B0028-0001	B00280001	0.5	1	10/28/2019	6	60	Clay
SAA19-B0028-0002	B00280002	0.5	1	10/28/2019	17	339	Clay
SAA19-B0028-0002	B00280002	0	0.5	10/28/2019	3	24	Silty Clay
SAA19-B0028-0003	B00280003	0	0.5	10/28/2019	25	158	Silty Clay
SAA19-B0028-0003	B00280003	0.5	1	10/28/2019	23	275	Clay
SAA19-B0028-0004	B00280004	0.5	1	10/28/2019	9	40	Clay
SAA19-B0028-0004	B00280004	0	0.5	10/28/2019	7	38	Clay
SAA19-B0028-0005	B00280005	0	0.5	10/28/2019	14	118	Silty Clay
SAA19-B0028-0005	B00280005	0.5	1	10/28/2019	5	26	Clay
SAA19-B0028-0006	B00280006	0.5	1	10/28/2019	29	81	Topsoil and CCBPs
SAA19-B0028-0006	B00280006	0	0.5	10/28/2019	16	171	Topsoil
SAA19-B0028-0007	B00280007	0	0.5	10/28/2019	27	344	Silty Clay
SAA19-B0028-0007	B00280007	0.5	1	10/28/2019	22	167	Silty Clay

**Table 1 (d)**  
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Sample ID	Quick Reference Name	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Date Collected	Average Arsenic Concentration (ppm)	Average Lead Concentration (ppm)	Soil Description
SAA19-B0028-0008	B00280008	0	0.5	10/28/2019	8	61	Clay
SAA19-B0028-0008	B00280008	0.5	1	10/28/2019	6	22	Clay
SAA19-B0028-0009	B00280009	0.5	1	10/28/2019	1309	11227	Purple Silt /Sand
SAA19-B0028-0009	B00280009	0	0.5	10/28/2019	24	410	Topsoil and CCBPs
SAA19-B0028-0010	B00280010	0.5	1	10/28/2019	23	66	CCBPs
SAA19-B0028-0010	B00280010	0	0.5	10/28/2019	22	224	Topsoil and CCBPs
SAA19-B0028-0011	B00280011	0	0.5	10/28/2019	27	231	Silty Clay
SAA19-B0028-0011	B00280011	0.5	1	10/28/2019	9	27	Clay
SAA19-B0028-0012	B00280012	0	0.5	10/28/2019	20	116	Silty Clay
SAA19-B0028-0012	B00280012	0.5	1	10/28/2019	12	95	Clay and Purple Silt/Sand
SAA19-B0028-0013	B00280013	0	0.5	10/28/2019	7	35	Topsoil and Clay
SAA19-B0028-0013	B00280013	0.5	1	10/28/2019	5	123	Clay
SAA19-B0028-0014	B00280014	0	0.5	10/28/2019	5	43	Topsoil
SAA19-B0028-0014	B00280014	0.5	1	10/28/2019	4	22	Sandy Silt
SAA19-B0028-0015	B00280015	0.5	1	10/28/2019	34	168	CCBPs
SAA19-B0028-0015	B00280015	0	0.5	10/28/2019	4	155	Topsoil and Clay
SAA19-B0028-0016	B00280016	0.5	1	10/28/2019	6	79	Clay
SAA19-B0028-0016	B00280016	0	0.5	10/28/2019	5	90	Topsoil and Clay
SAA19-B0028-0017	B00280017	0	0.5	10/28/2019	18	106	Silty Clay
SAA19-B0028-0017	B00280017	0.5	1	10/28/2019	5	40	Clay
SAA19-B0028-0018	B00280018	0	0.5	10/28/2019	10	39	Silty Clay
SAA19-B0028-0018	B00280018	0.5	1	10/28/2019	8	36	Silty Clay
SAA19-B0028-0019	B00280019	0.5	1	10/28/2019	324	2696	Purple Silt /Sand
SAA19-B0028-0019	B00280019	0	0.5	10/28/2019	186	1561	Purple Silt /Sand
SAA19-B0028-0020	B00280020	0	0.5	10/28/2019	35	370	Topsoil and Clay
SAA19-B0028-0020	B00280020	0.5	1	10/28/2019	7	36	Clay
SAA19-B0028-0021	B00280021	0	0.5	10/28/2019	17	47	CCBPs
SAA19-B0028-0021	B00280021	0.5	1	10/28/2019	10	110	Sand and Gravely CCBPs
SAA19-B0028-0022	B00280022	0	0.5	10/28/2019	14	114	Clay Silt
SAA19-B0028-0022	B00280022	0.5	1	10/28/2019	14	30	CCBPs
SAA19-B0028-0023	B00280023	0.5	1	10/28/2019	40	56	Silty Clay
SAA19-B0028-0023	B00280023	0	0.5	10/28/2019	16	131	Silty Clay
SAA19-B0028-0024	B00280024	0	0.5	10/28/2019	570	4002	Clay and Purple Silt/Sand
SAA19-B0028-0024	B00280024	0.5	1	10/28/2019	183	1532	Clay
SAA19-ESRG-0001	Esrg0001	0.5	1	10/28/2019	101	612	Sand and Purple Silt/Sand
SAA19-ESRG-0001	Esrg0001	0	0.5	10/28/2019	61	263	Topsoil
SAA19-ESRG-0002	Esrg0002	0	0.5	10/28/2019	127	273	Topsoil
SAA19-ESRG-0002	Esrg0002	0.5	1	10/28/2019	35	36	Topsoil
SAA19-ESRG-0003	Esrg0003	0	0.5	10/28/2019	34	92	Topsoil
SAA19-ESRG-0003	Esrg0003	0.5	1	10/28/2019	29	18	Topsoil
SAA19-ESRG-0004	Esrg0004	0	0.5	10/28/2019	26	107	Topsoil
SAA19-ESRG-0004	Esrg0004	0.5	1	10/28/2019	13	22	Topsoil and CCBPs
SAA19-ESRG-0005	Esrg0005	0	0.5	10/28/2019	47	247	Topsoil and CCBPs
SAA19-ESRG-0005	Esrg0005	0.5	1	10/28/2019	40	279	Topsoil and CCBPs
SAA19-ESRG-0006	Esrg0006	0.5	1	10/28/2019	81	404	Topsoil and CCBPs
SAA19-ESRG-0006	Esrg0006	0	0.5	10/28/2019	33	223	Topsoil and CCBPs
SAA19-ESRG-0007	Esrg0007	0.5	1	10/28/2019	58	336	Topsoil and Gravely CCBPs
SAA19-ESRG-0007	Esrg0007	0	0.5	10/28/2019	37	189	Topsoil and Gravely CCBPs
SAA19-ESRG-0008	Esrg0008	0.5	1	10/28/2019	108	625	Gravely CCBPs/ Purple Silt/Sand
SAA19-ESRG-0008	Esrg0008	0	0.5	10/28/2019	43	283	Topsoil and Gravely CCBPs
SAA19-ESRG-0009	Esrg0009	0	0.5	10/28/2019	11	52	Silty Clay
SAA19-ESRG-0009	Esrg0009	0.5	1	10/28/2019	6	41	Silty Clay
SAA19-ESRG-0010	Esrg0010	0	0.5	10/28/2019	11	62	Clay
SAA19-ESRG-0010	Esrg0010	0.5	1	10/28/2019	7	28	Clay
SAA19-ESRG-0011	Esrg0011	0	0.5	10/28/2019	26	158	Topsoil
SAA19-ESRG-0011	Esrg0011	0.5	1	10/28/2019	8	118	Silty Clay

Sample ID	Quick Reference Name	Top Depth (ft bgs)	Bottom Depth (ft bgs)	Date Collected	Average Arsenic Concentration (ppm)	Average Lead Concentration (ppm)	Soil Description
SAA19-ESRG-0012	Esrg0012	0.5	1	10/28/2019	7	125	Clay
SAA19-ESRG-0012	Esrg0012	0	0.5	10/28/2019	7	43	Clay
SAA19-ESRG-0013	Esrg0013	0.5	1	10/28/2019	40	215	Silty Clay
SAA19-ESRG-0013	Esrg0013	0	0.5	10/28/2019	16	97	Silty Clay
SAA19-ESRG-0014	Esrg0014	0	0.5	10/28/2019	24	161	Topsoil and Gravely CCBPs
SAA19-ESRG-0014	Esrg0014	0.5	1	10/28/2019	7	49	Silty Sand
SAA19-ESRG-0015	Esrg0015	0.5	1	10/28/2019	295	2163	Sand and Purple Silt/Sand
SAA19-ESRG-0015	Esrg0015	0	0.5	10/28/2019	187	1158	CCBPs
SAA19-ESRG-0016	Esrg0016	0	0.5	10/28/2019	17	119	CCBPs
SAA19-ESRG-0016	Esrg0016	0.5	1	10/28/2019	1	13	Sandy Clay
SAA19-ESRG-0017	Esrg0017	0	0.5	10/28/2019	63	391	Topsoil
SAA19-ESRG-0017	Esrg0017	0.5	1	10/28/2019	25	148	Sand
SAA19-ESRG-0018	Esrg0018	0	0.5	10/28/2019	11	34	Topsoil
SAA19-ESRG-0018	Esrg0018	0.5	1	10/28/2019	5	34	Clay
SAA19-ESRG-0019	Esrg0019	0.5	1	10/28/2019	39	190	Topsoil and Gravely CCBPs
SAA19-ESRG-0019	Esrg0019	0	0.5	10/28/2019	28	174	Topsoil and Gravely CCBPs
SAA19-ESRG-0020	Esrg0020	0	0.5	10/28/2019	19	180	Silty Clay
SAA19-ESRG-0020	Esrg0020	0.5	1	10/28/2019	6	26	Clay
SAA19-ESRG-0021	Esrg0021	0	0.5	10/28/2019	5	25	Topsoil
SAA19-ESRG-0021	Esrg0021	0.5	1	10/28/2019	2	17	Topsoil
SAA19-ESRG-0022	Esrg0022	0	0.5	10/28/2019	11	174	Topsoil
SAA19-ESRG-0022	Esrg0022	0.5	1	10/28/2019	8	54	Topsoil and CCBPs
SAA19-ESRG-0023	Esrg0023	0	0.5	10/28/2019	6	87	Silty Clay
SAA19-ESRG-0023	Esrg0023	0.5	1	10/28/2019	0	24	Silty Clay
SAA19-ESRG-0024	Esrg0024	0.5	1	10/28/2019	34	63	Silt and Purple Silt/Sand
SAA19-ESRG-0024	Esrg0024	0	0.5	10/28/2019	5	42	Silt and Purple Silt/Sand

## Notes:

Concentrations listed in this table were measured using an X-ray fluorescence analyzer (XRF)

Three consecutive XRF readings were taken for each sample. The average of the three readings are shown on this table.

Non-detected values recorded as zero (0)

Samples were air dried for approximately 9 days and tested on 11/8/2019

As: Arsenic

Pb: Lead

ppm: parts per million

bgs: below ground surface

CCBPs: coal combustion by products

**Table 2**

Page 1 of 1

**2019 Soil Moved to Test Cells**  
 2019 Site Investigation Summary Report Tables  
 Former DuPont Barksdale Works  
 Town of Barksdale, Bayfield County, Wisconsin  
 BRRTS: 02-04-000156

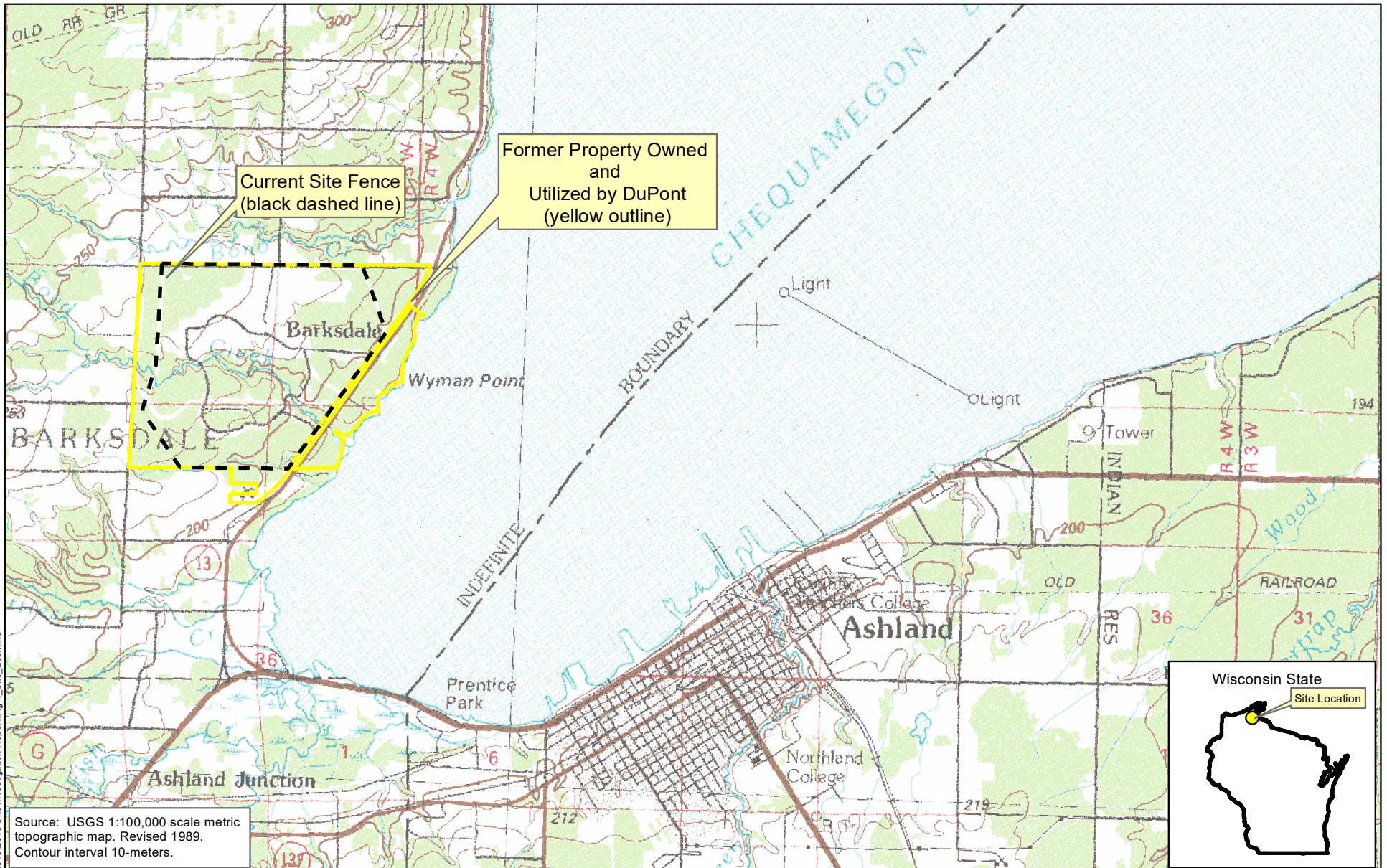
Source	Destination Cell	Volume (CY)	Date
Refined Triton Screening House (RTSH) & east ditch (PAJB0004)	C33	19	7/30/2019
Refined Triton Screening House Drainage Ditch (PAJD0023)	C33	22	8/2/2019
<b>Total Cell C33</b>	<b>C33</b>	<b>41</b>	<b>2019</b>
Bio Pilot Cell C36 Construction (C36 Ex)	C34	1	6/18/2019
Refined Triton Screening House (RTSH) Barricades (PAJB0004)	C34	1	7/16/2019
Refined Triton Screening House Drainage Ditch (PAJD0023)	C34	5	8/6/2019
<b>Total Cell C34</b>	<b>C34</b>	<b>7</b>	<b>2019</b>
Refined Triton Screening House Drainage Ditch (PAJD0023)	C35	117	8/15/2019
Refined Triton Area Catchbox and Railgrade 0003 (Catchbox/PAJR0003/PAJD0018/0019/0020)	C35	424	8/28/2019
RT Tank Storage Houses and Adjacent Ditches (PAJR0001/PAJD0005)	C35	21	10/8/2019
East of RTEGH (Motor House) (PAJB0008)	C35	3	10/15/2019
<b>Total Cell C35</b>	<b>C35</b>	<b>564</b>	<b>2019</b>
Refined Triton Screening House (RTSH) (PAJB0004)	C36	6	9/9/2019
Refined Triton Area Catchbox and Railgrade 0003 (Catchbox/PAJR0003/PAJD0018/0019/0020)	C36	9	8/28/2019
N of Refined Triton Area Catchbox and Railgrade 0001 (PAJR0001)	C36	409	9/12/2019
E of RTEGH (PAJR0001/PAJR0003/PAJD0029/PAJD0030/PAJB0008)	C36	89	9/24/2019
RT Tank Storage Houses and Adjacent Ditch (PAJB0005/PAJB0003/PAJD0005)	C36	65	10/9/2019
<b>Total Cell C36</b>	<b>C36</b>	<b>578</b>	<b>2019</b>
<b>Total for 2019</b>	<b>ALL</b>	<b>1,190</b>	<b>2019</b>

**Notes:**

Contents from cell C25 placed in cell C27 in 2019. This volume is not included in the table above.

CY: cubic yards

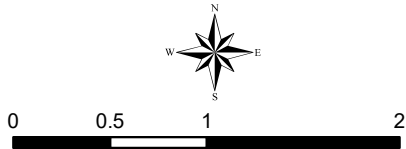
C: Cell



Source: USGS 1:100,000 scale metric topographic map. Revised 1989. Contour interval 10-meters.

G:\Projects\Barksdale\GIS\Maps\Map\2019\2019 Site Investigation Report\Fig 1\_Site\_Loc.mxd

Area Map (Optional)



MAP FORMATTED FOR "A" (8.5" X 11") SIZE SHEET. SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

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DATA QUALITY CHECK BY: NS

**AECOM**

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500 West Jefferson Street  
Suite 1600  
Louisville, Kentucky 40202

Regional Site Location

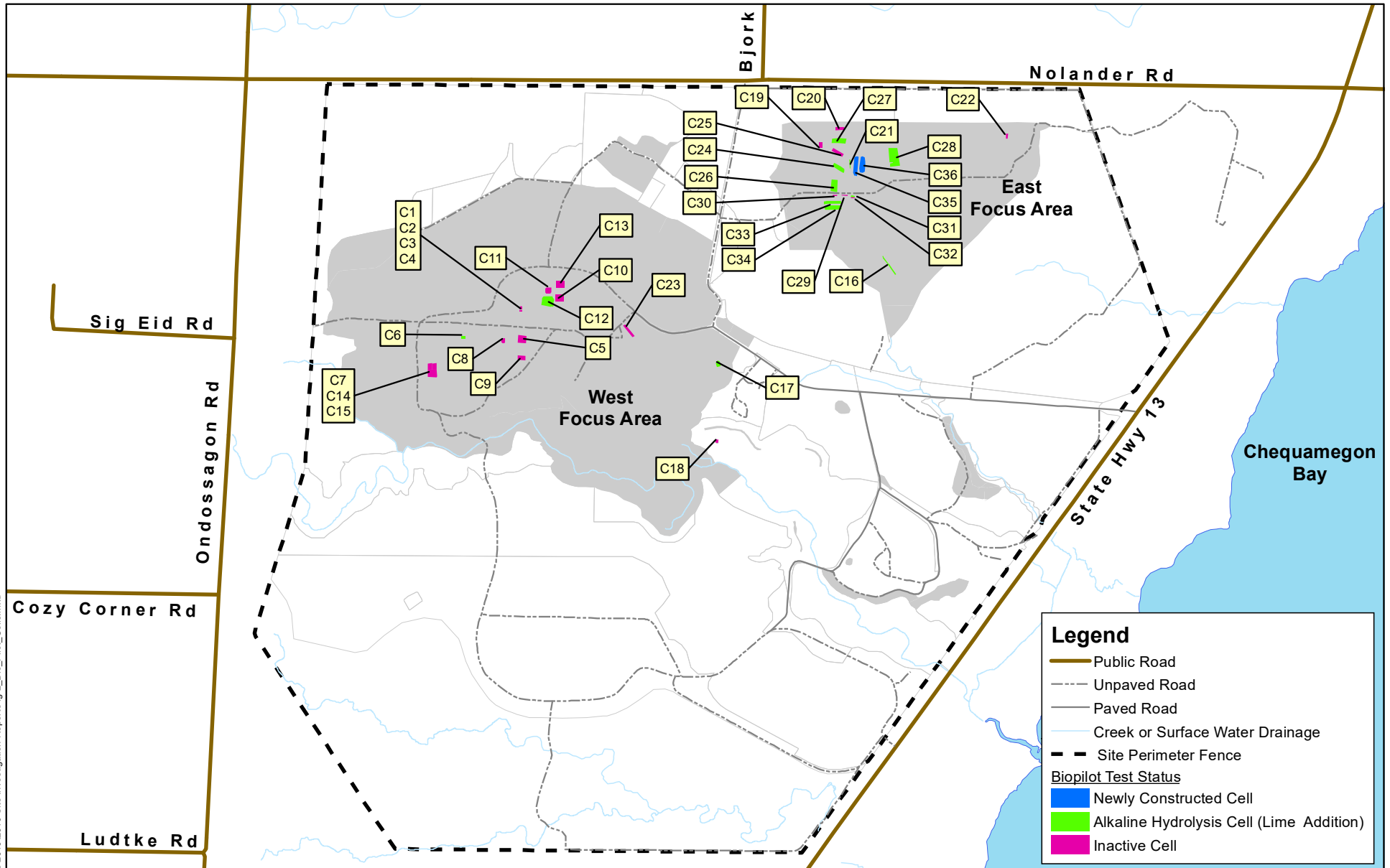
2019 Site Investigation Report  
Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

PROJECT NUMBER:  
60505619

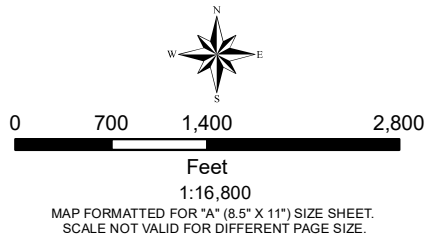
DATE:  
March 2020

FIGURE NUMBER:  
1

G:\Projects\Barksdale\GIS\Mapas\Maps 2019\2019 Site Investigation Report\Fig 2\_Bio\_Pilot\_Cells.mxd



Area Map (Optional)



FILE NUMBER:  
DESIGNED BY: NS  
DRAWN BY: VN  
DATA QUALITY CHECK BY: NS

**AECOM**

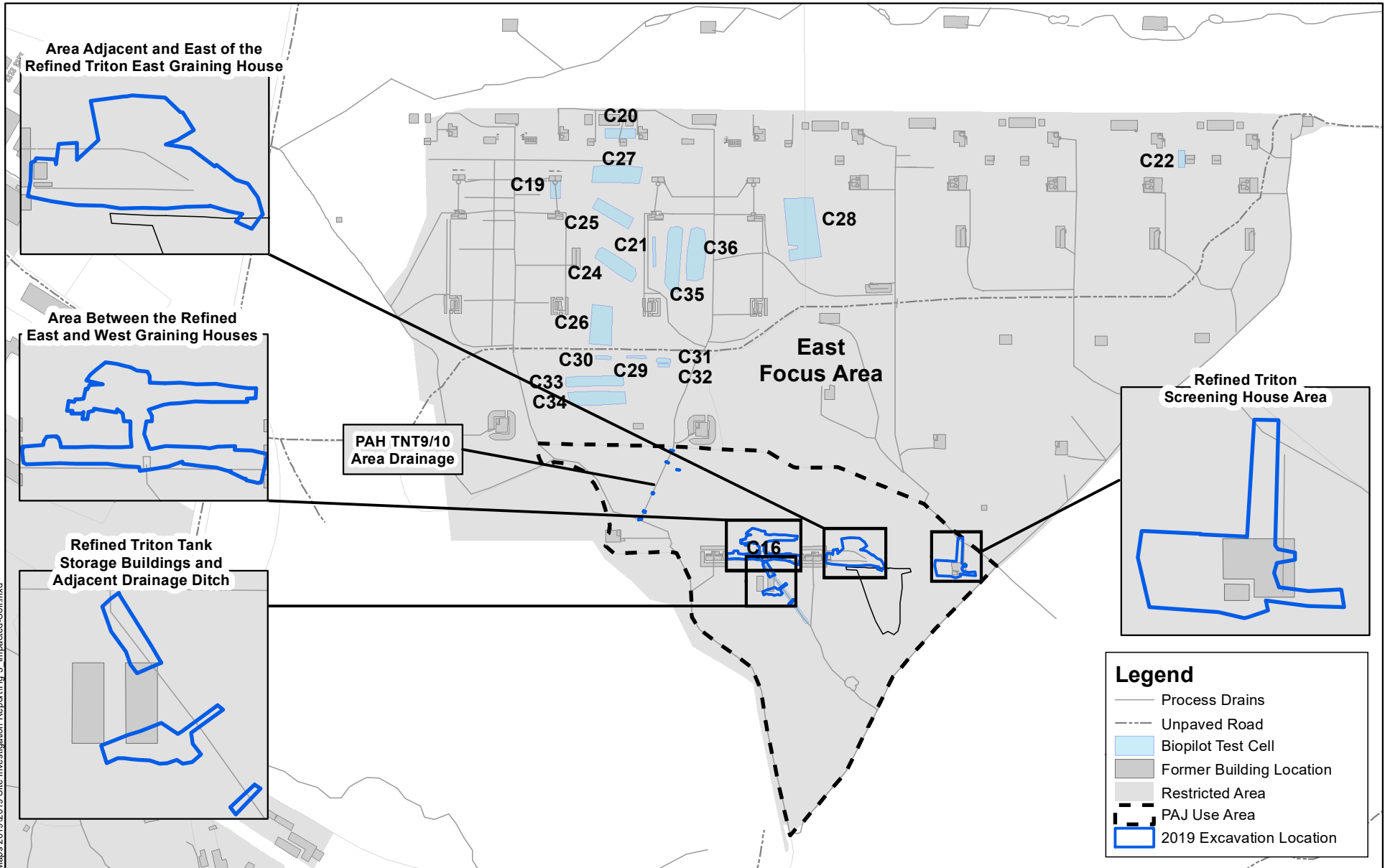
AECOM  
500 West Jefferson Street  
Suite 1600  
Louisville, Kentucky 40202

Site Layout and Cell Locations

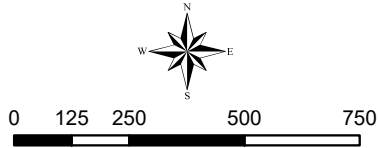
2019 Site Investigation Report  
Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

PROJECT NUMBER:  
60505619  
DATE:  
March 2020  
FIGURE NUMBER:  
2

G:\Projects\Barksdale\GIS\Maps\2019\2019 Site Investigation Report\Fig 3 - Impacted-Soil.mxd



Area Map (Optional)



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Louisville, Kentucky 40202

**East Focus Area**

2019 Site Investigation Report  
Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

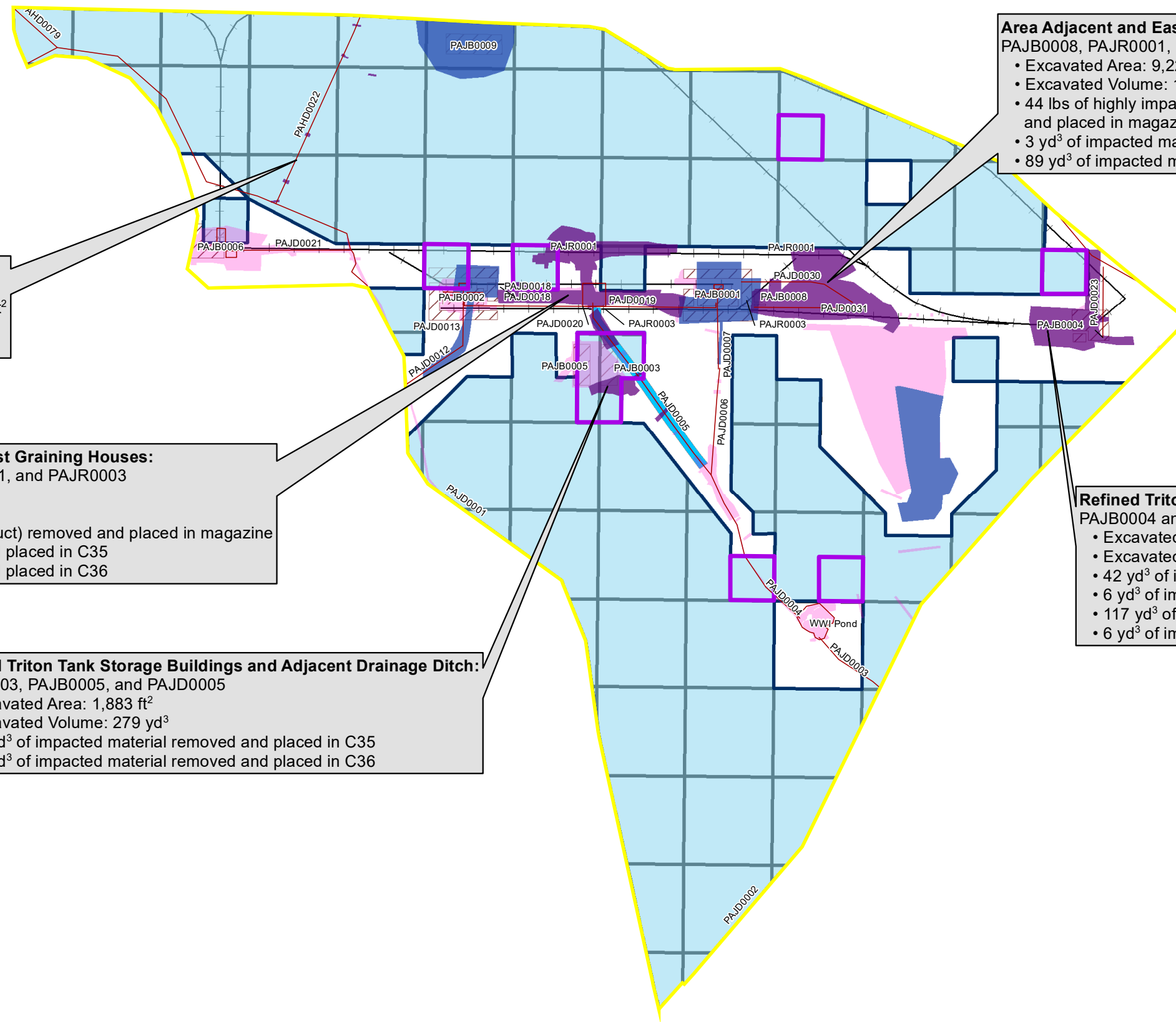
PROJECT NUMBER:  
60505619

DATE:  
March 2020

FIGURE NUMBER:  
**3**



G:\Projects\Barksdale\GIS\Maps\Map2019\2019 Site Investigation Report\Fig 4\_PAJ\_2019\_Summary.mxd



**Area Adjacent and East of the Refined Triton East Graining House:**  
 PAJB0008, PAJR0001, PAJR0003, PAJD0030, and PAJD0031

- Excavated Area: 9,227 ft<sup>2</sup>
- Excavated Volume: 1,373 yd<sup>3</sup>
- 44 lbs of highly impacted soil (42 lbs product) removed and placed in magazine
- 3 yd<sup>3</sup> of impacted material removed and placed in C35
- 89 yd<sup>3</sup> of impacted material removed and placed in C36

**PAH TNT09/10 Area Drainage:**  
 PAHD0022

- 6 test pits with an excavated area of 152 ft<sup>2</sup>
- No impacted material or product found
- Excavated Volume: 34 yd<sup>3</sup>

**Area Between Refined Triton East and West Graining Houses:**  
 PAJD0018, PAJD0019, PAJD0020, PAJR0001, and PAJR0003

- Excavated Area: 8,696 ft<sup>2</sup>
- Excavated Volume: 1,288 yd<sup>3</sup>
- 58 lbs of highly impacted soil (56 lbs product) removed and placed in magazine
- 424 yd<sup>3</sup> of impacted material removed and placed in C35
- 418 yd<sup>3</sup> of impacted material removed and placed in C36

**Refined Triton Tank Storage Buildings and Adjacent Drainage Ditch:**  
 PAJB0003, PAJB0005, and PAJD0005

- Excavated Area: 1,883 ft<sup>2</sup>
- Excavated Volume: 279 yd<sup>3</sup>
- 21 yd<sup>3</sup> of impacted material removed and placed in C35
- 65 yd<sup>3</sup> of impacted material removed and placed in C36

**Refined Triton Screening House Area:**  
 PAJB0004 and PAJD0023

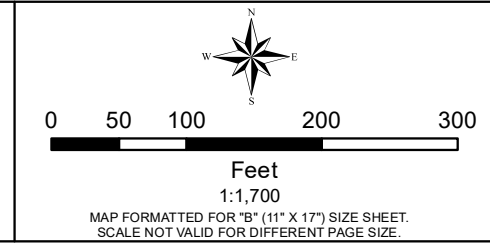
- Excavated Area: 5,313 ft<sup>2</sup>
- Excavated Volume 2,827 yd<sup>3</sup>
- 42 yd<sup>3</sup> of impacted material removed and placed in C33
- 6 yd<sup>3</sup> of impacted material removed and placed in C34
- 117 yd<sup>3</sup> of impacted material removed and placed in C35
- 6 yd<sup>3</sup> of impacted material removed and placed in C36

**Legend**

- PAJ Boundary
- 2019 Test Pit Grid
- 2019 Excavation Location
- 2018 Excavation Location
- Pre-2018 Excavation Location
- Biopilot Test Cells
- Geoprobe and Test Pit Grid
- Historical Building
- Railroad
- Process Drains

Notes:

Area Map (Optional)



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 Louisville, Kentucky 40202

**2019 PAJ Site Investigation Summary**

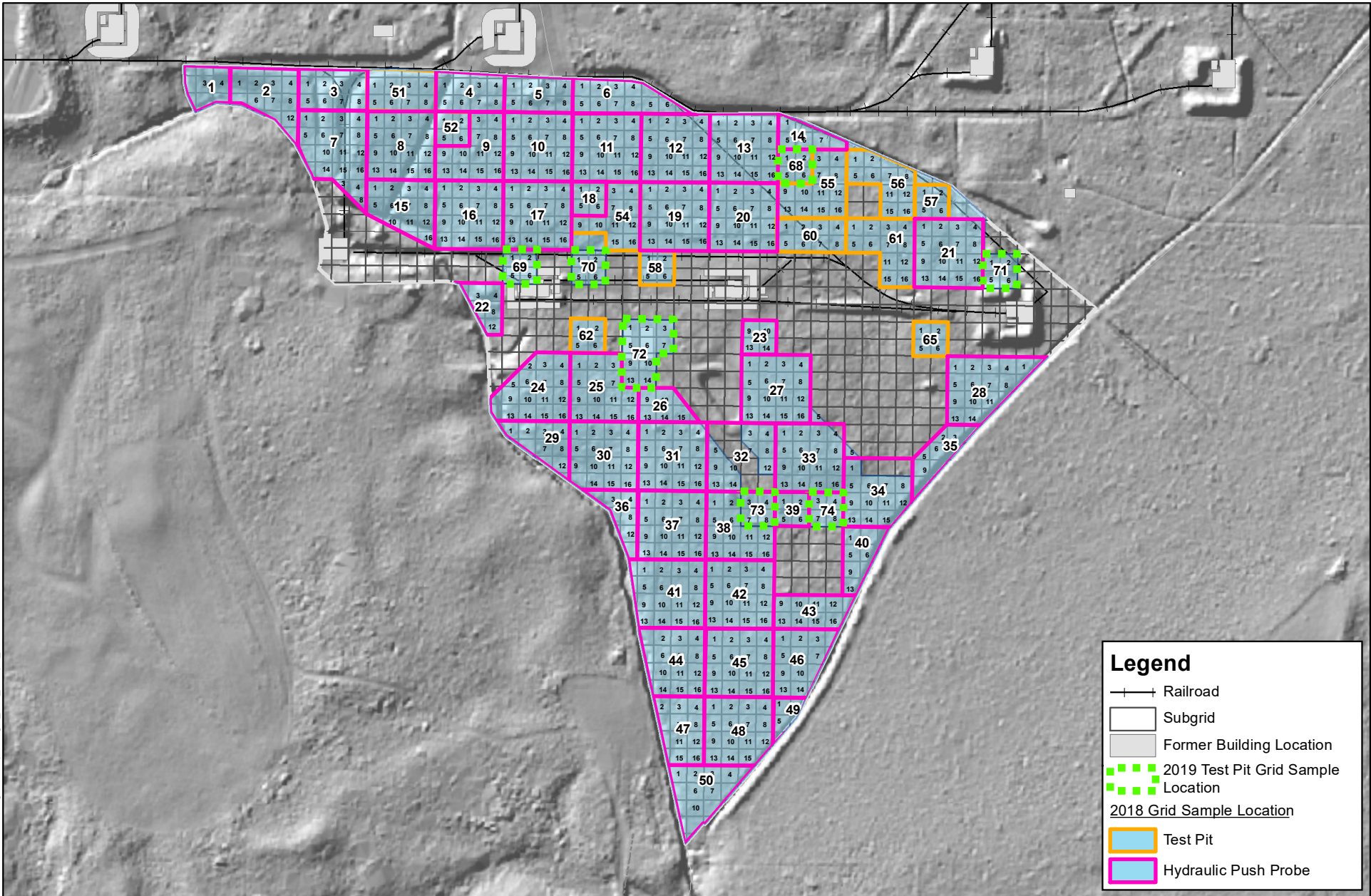
2019 Site Investigation Summary  
 Former DuPont Barksdale Works  
 Barksdale, Wisconsin 54806

PROJECT NUMBER:  
 60505619

DATE:  
 March 2020

FIGURE NUMBER:  
**4**

G:\Projects\Barksdale\GIS\Maps\Maps 2019\2019 Site Investigation Report\Fig 5\_Grid\_Sample\_Locations.mxd



Legend	
	Railroad
	Subgrid
	Former Building Location
	2019 Test Pit Grid Sample Location
	2018 Grid Sample Location
	Test Pit
	Hydraulic Push Probe

Area Map (Optional)

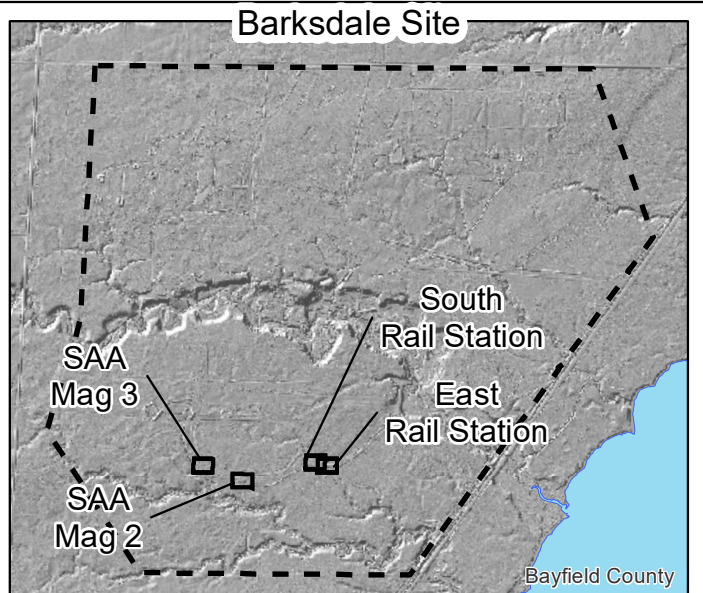
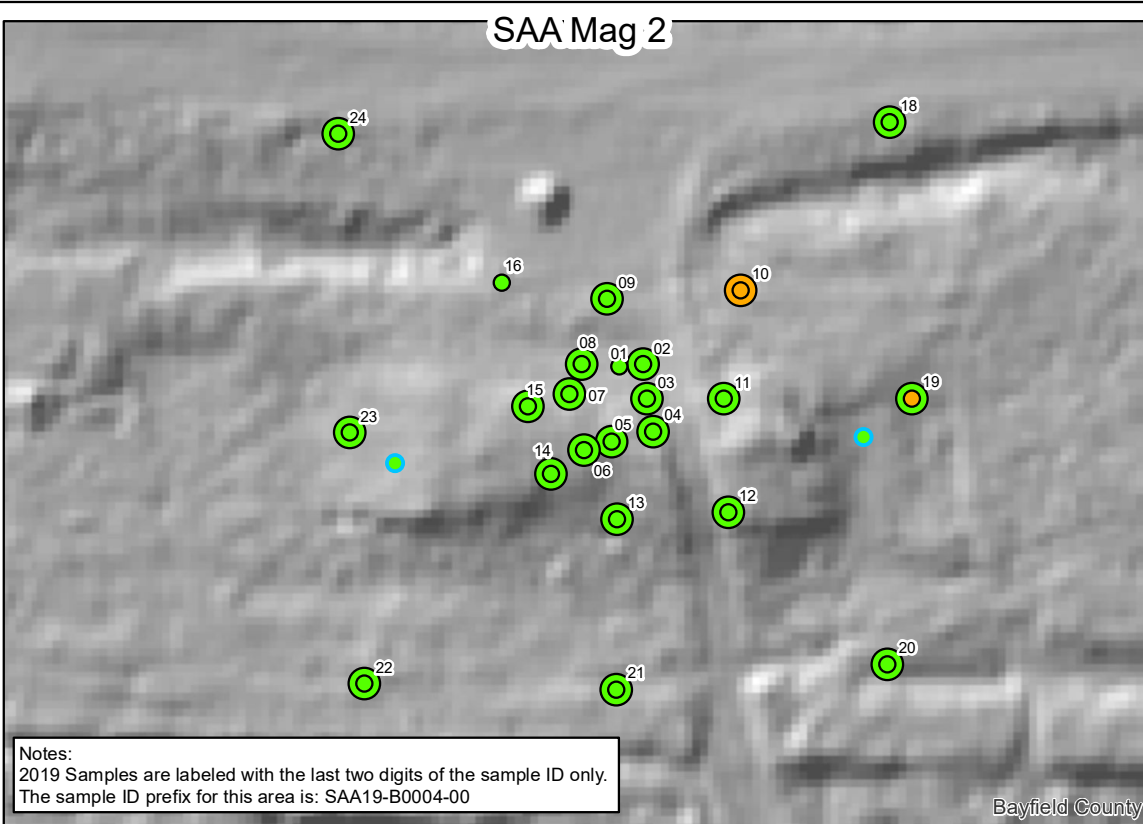
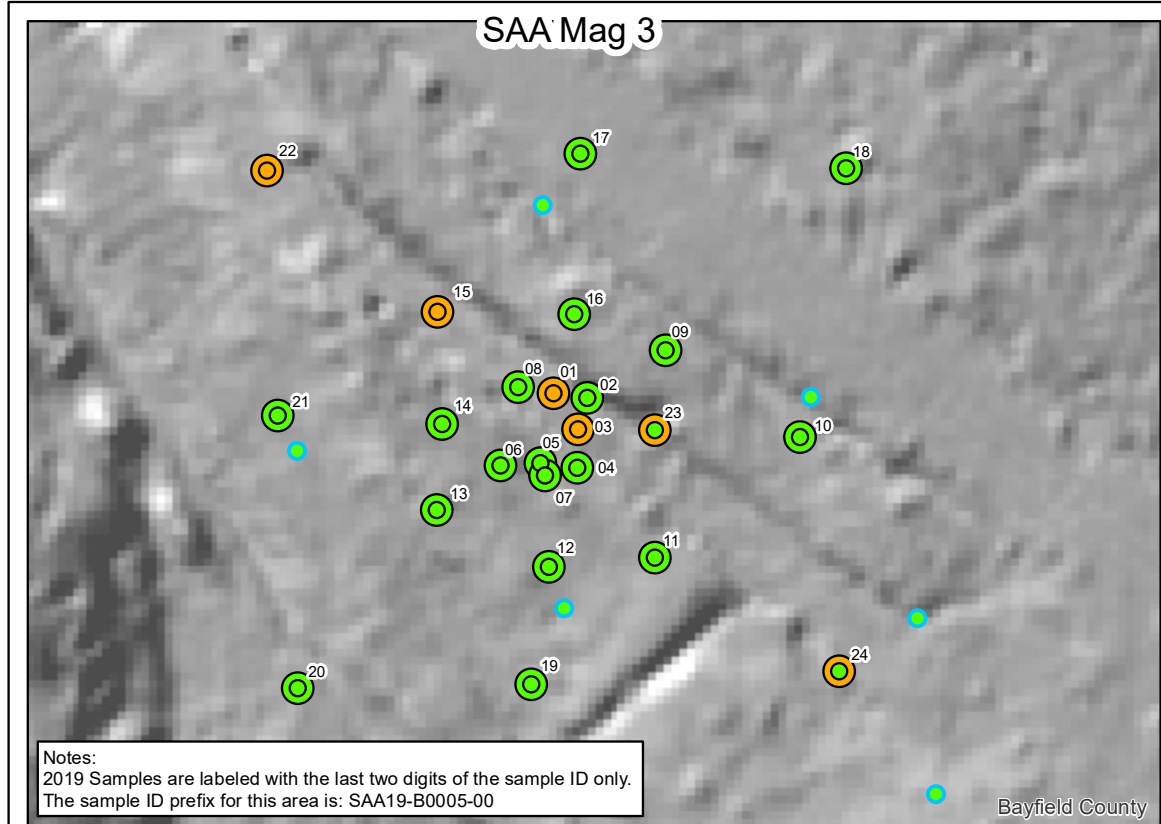
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Feet  
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DATA QUALITY CHECK BY:	NS

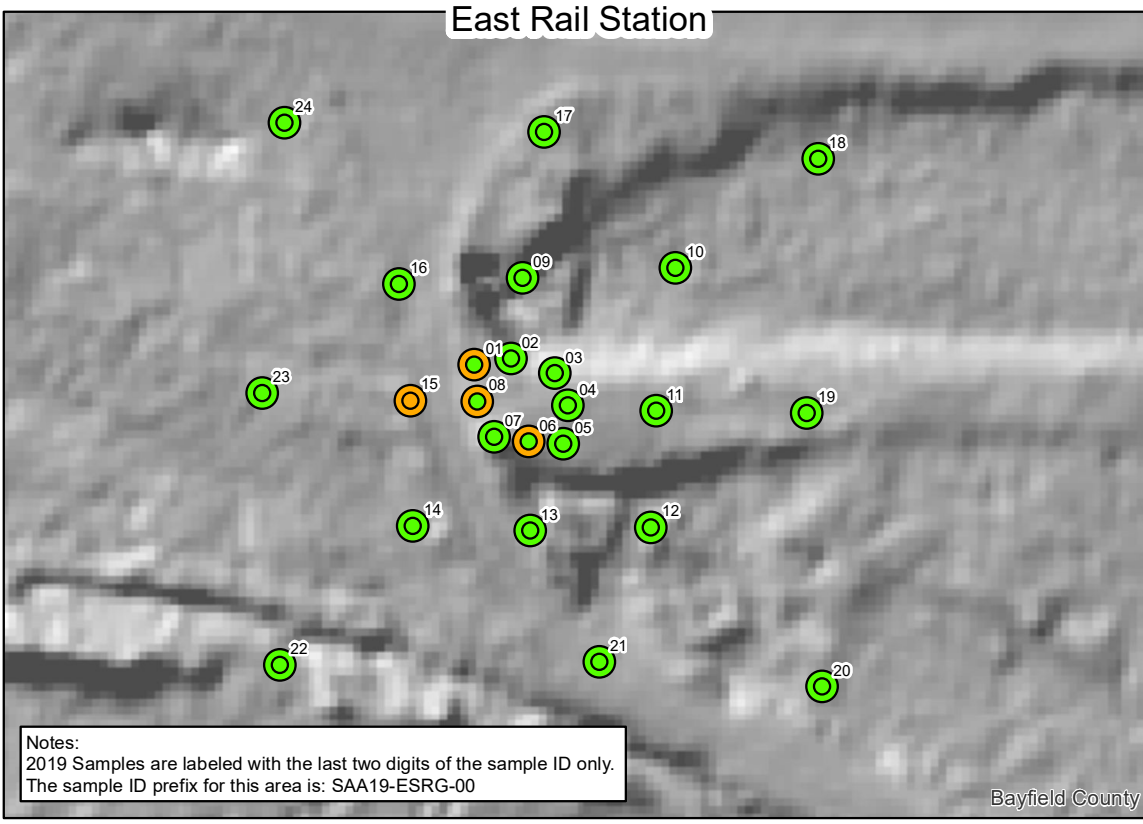
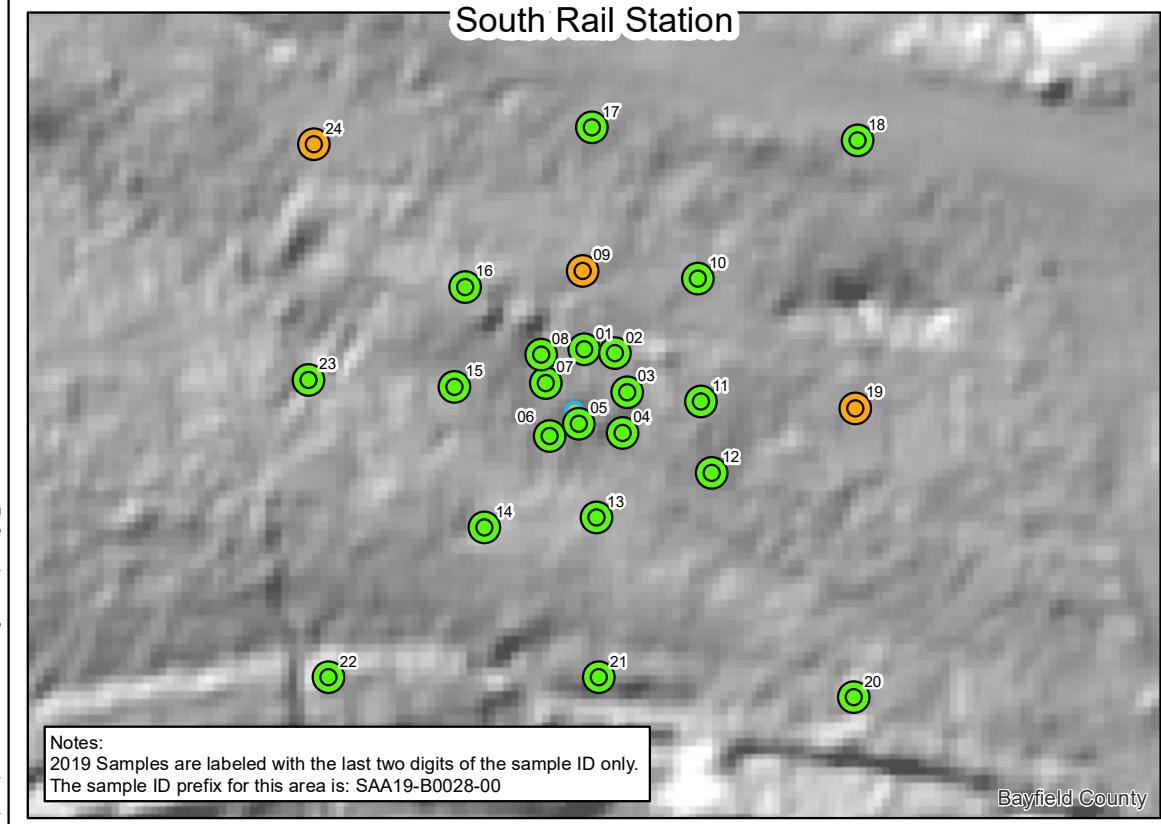
**AECOM**  
AECOM  
500 West Jefferson Street  
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Louisville, Kentucky 40202

**PAJ Grid Sample Locations**  
2019 Site Investigation Report  
Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

PROJECT NUMBER:	60505619
DATE:	March 2020
FIGURE NUMBER:	5



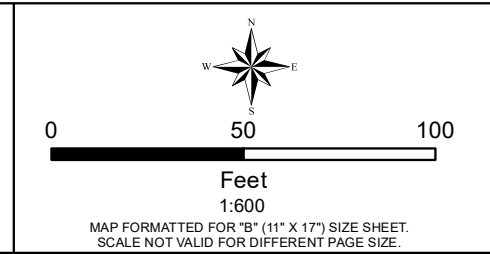
- Legend**
- 2019 Sample Location
- 0-0.5 Feet Below Ground Surface
  - 0.5-1 Feet Below Ground Surface
- Historical Sample Location
- 0-1 Feet Below Ground Surface
- Lead Concentration in Soil
- Lead < 400 ppm
  - Lead ≥ 400 ppm



G:\Projects\Barksdale\GIS Maps\Maps 2019\2019 Site Investigation Report\Fig 6\_2019 Lead Concentrations.mxd

Area Map (Optional)

Notes:  
2019 Samples are labeled with the last two digits of the sample ID only.  
The sample ID prefix for this area is: SAA19-B0028-00



FILE NUMBER:  
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DATA QUALITY CHECK BY: DN

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Suite 1600  
Louisville, Kentucky 40202

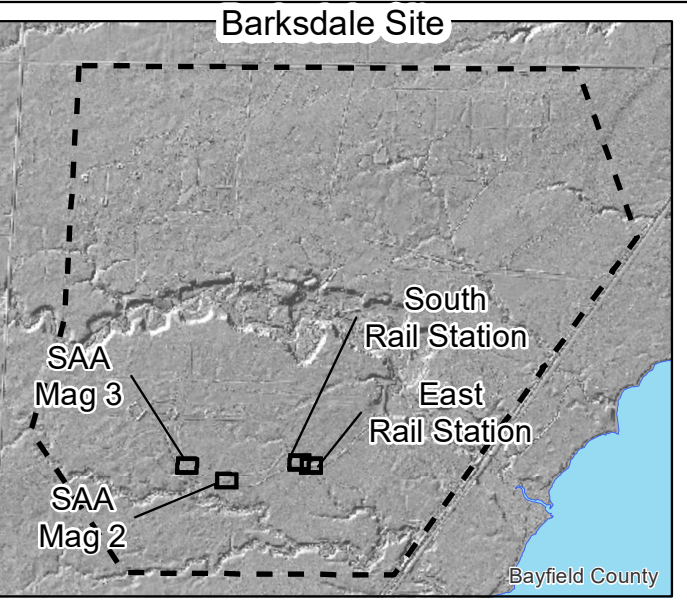
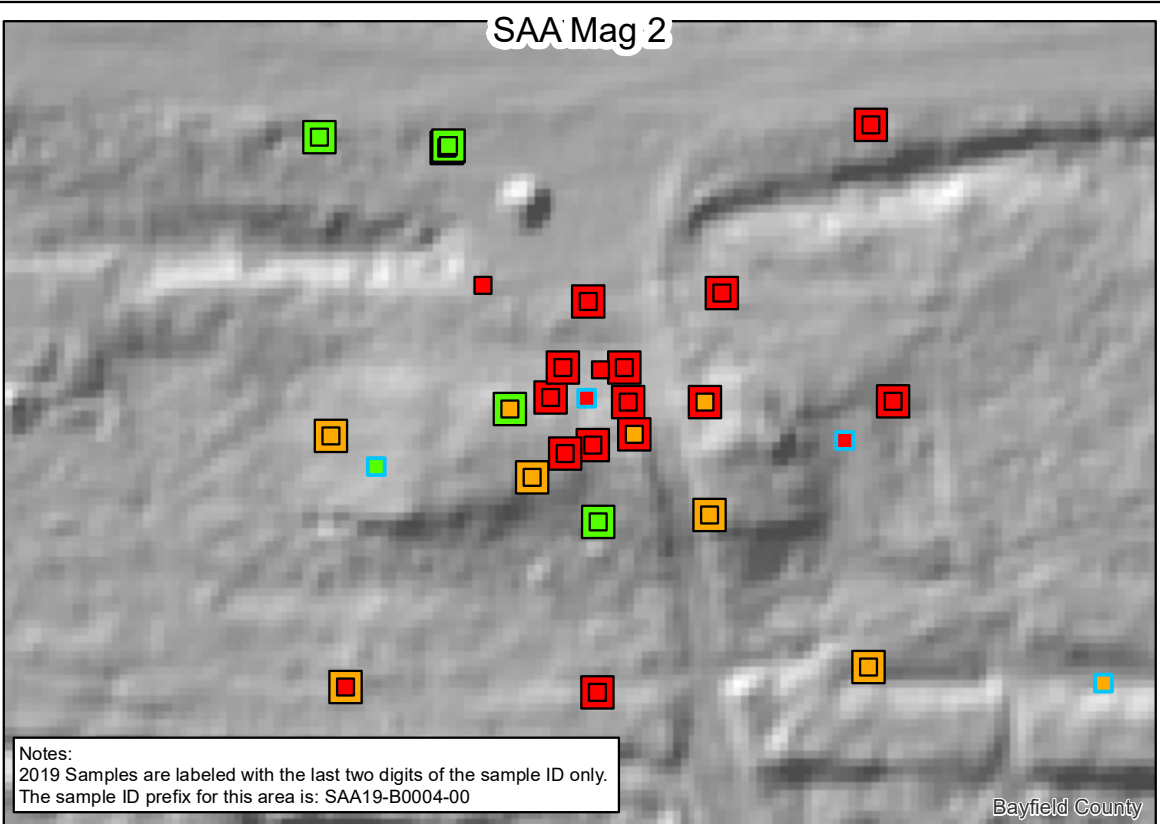
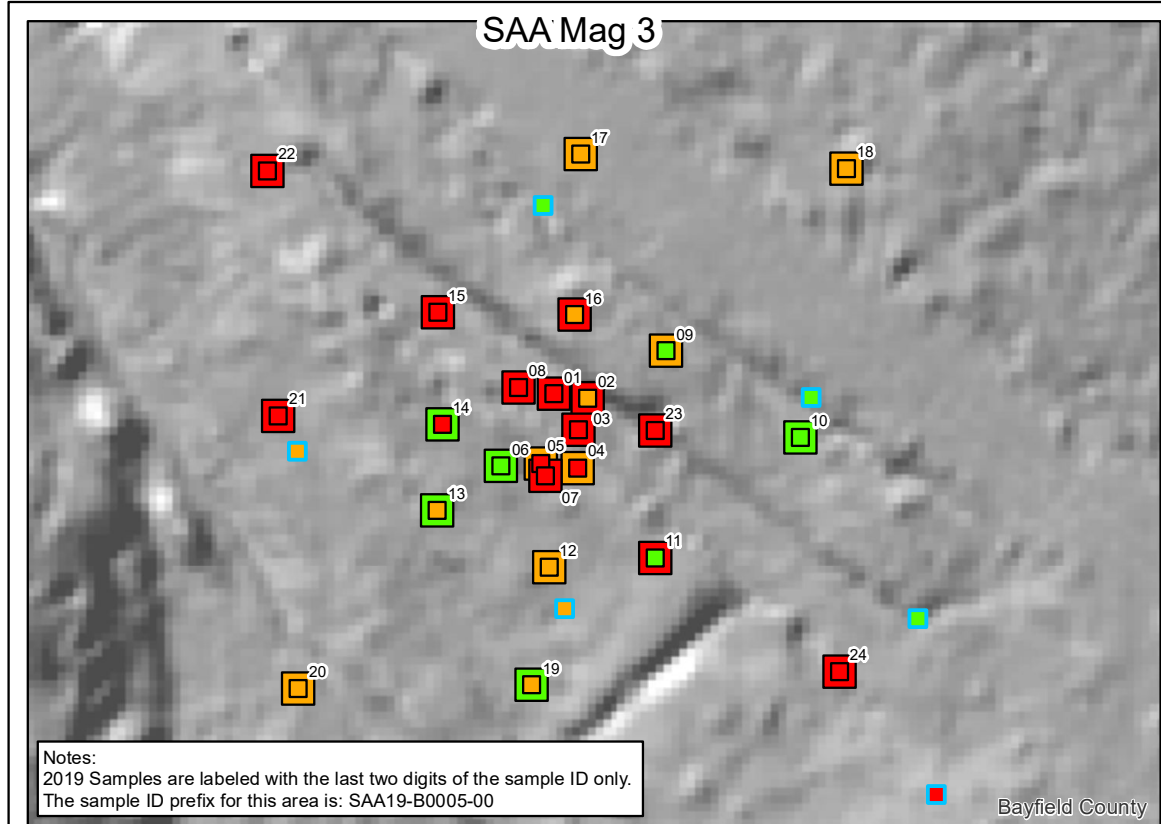
**2019 XRF Sample Results**  
**Southern Transportation Corridor**  
**Lead**

2019 Site Investigation Report  
Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

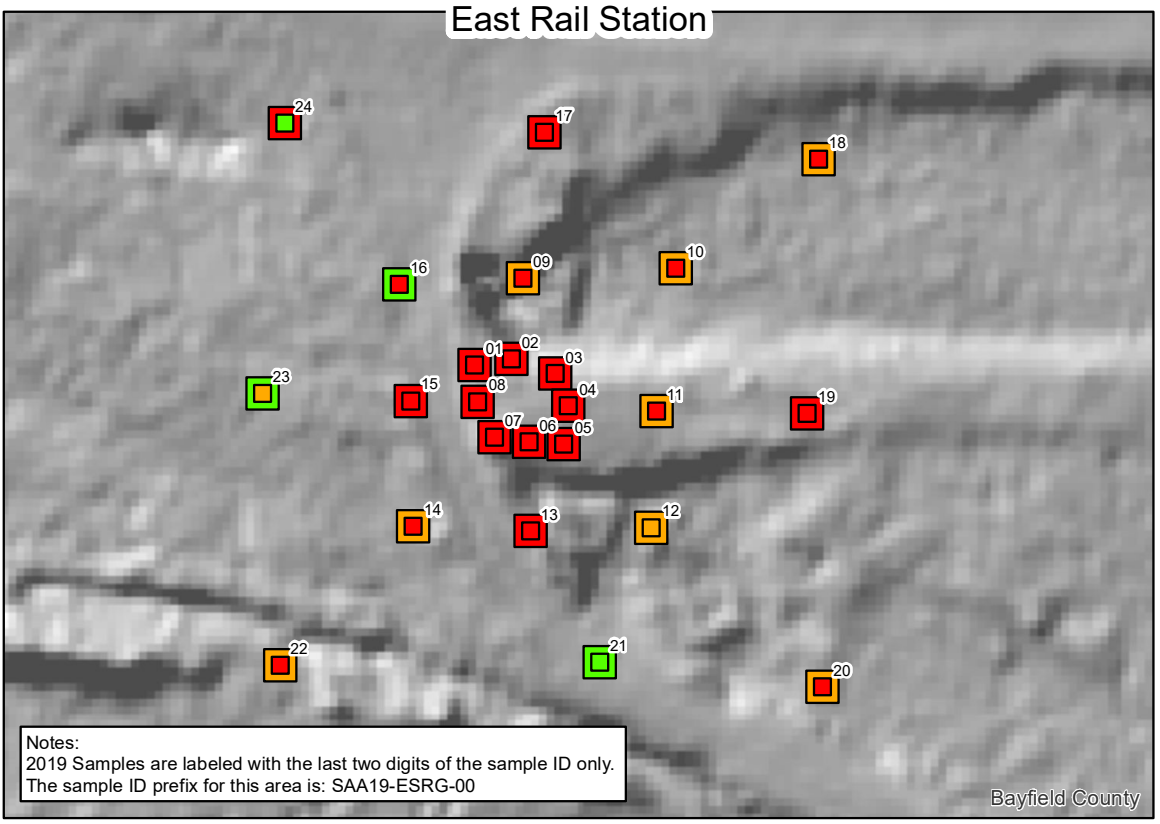
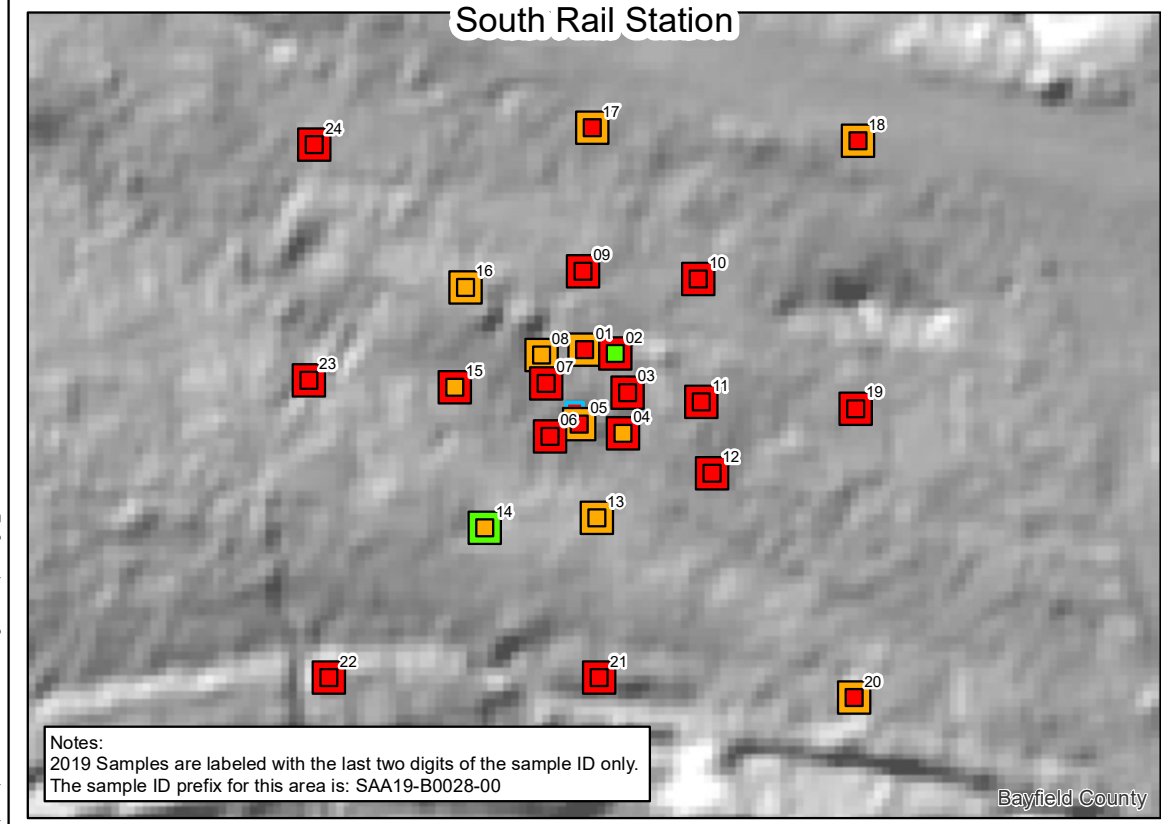
PROJECT NUMBER:  
60505619

DATE:  
March 2020

FIGURE NUMBER:  
**6**



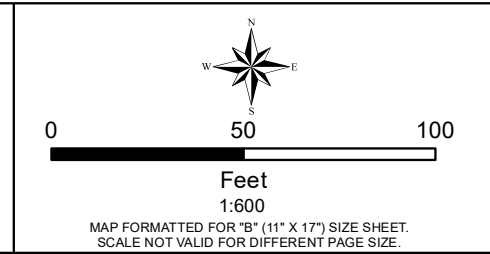
- Legend**
- 2019 Sample Location**
- 0-0.5 Feet Below Ground Surface
  - 0.5-1 Feet Below Ground Surface
- Historical Sample Location**
- 0-1 Feet Below Ground Surface
- Arsenic Concentration in Soil**
- Arsenic < 3.95 ppm
  - 3.95 ≤ Arsenic ≤ 8.0 ppm
  - Arsenic > 8.0 ppm



G:\Projects\Barksdale\GIS\Maps\Maps\_2019\2019 Site Investigation Report\Fig 7\_2019 Arsenic Concentrations.mxd

Notes:

Area Map (Optional)



FILE NUMBER:

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DRAWN BY: VN

DATA QUALITY CHECK BY: DN

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AECOM  
500 West Jefferson Street  
Suite 1600  
Louisville, Kentucky 40202

**2019 XRF Sample Results**  
**Southern Transportation Corridor**  
**Arsenic**

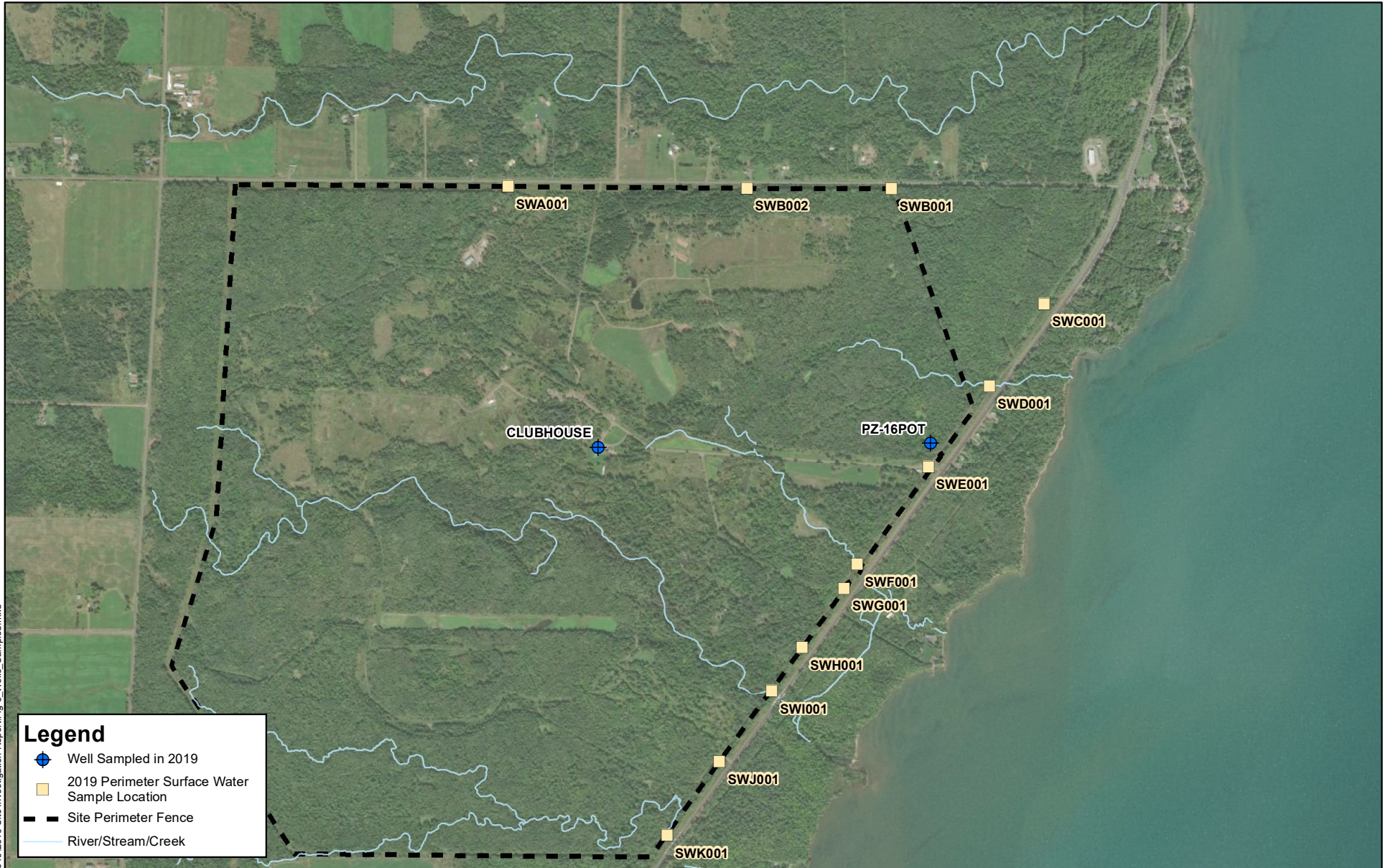
2019 Site Investigation Report  
Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

PROJECT NUMBER:  
60505619





DATE:  
March 2020

FIGURE NUMBER:  
**7**

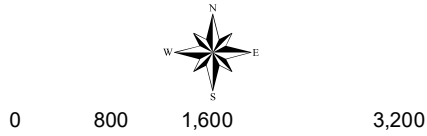
G:\Projects\Barksdale\GIS\Maps\2019\2019 Site Investigation Report\Fig 8\_Wells\_Sampled.mxd



**Legend**

-  Well Sampled in 2019
-  2019 Perimeter Surface Water Sample Location
-  Site Perimeter Fence
-  River/Stream/Creek

Area Map (Optional)



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500 West Jefferson Street  
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Louisville, Kentucky 40202

**Water Sampling Locations**

2019 Site Investigation Report  
Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

PROJECT NUMBER:  
60505619  
DATE:  
March 2020  
FIGURE NUMBER:

**8**



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 29, 2019

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 07/24/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2018-087	08/31/2019
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2019

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190722-001X-0-6	A193010-01	Soil	07/22/2019	07/24/2019
SITG-190722-002X-6-10	A193010-02	Soil	07/22/2019	07/24/2019
SITG-190723-003X-0-6	A193010-03	Soil	07/23/2019	07/24/2019
SITG-190723-004X-10-13	A193010-04	Soil	07/23/2019	07/24/2019

**CASE NARRATIVE**

**Sample Receipt Information:**

4 samples were received on 07/24/2019. Samples were received at 3.1 degrees Celsius. 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: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190722-001X-0-6**

Date Sampled

**A193010-01 (Soil)**

**07/22/2019 16:25**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Explosive Compounds by EPA Method 8270**

**Preparation Batch: A907251**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	X
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	07/25/2019	07/26/2019 00:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.1 %	11.5-161		07/25/2019	07/26/2019 00:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.1 %	65.1-116		07/25/2019	07/26/2019 00:00	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A907261**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	07/25/2019	07/26/2019 09:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190722-002X-6-10**

Date Sampled

**A193010-02 (Soil)**

**07/22/2019 16:26**

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: A907251**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 21:55	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.8 %		11.5-161	07/25/2019	07/25/2019 21:55	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		65.1-116	07/25/2019	07/25/2019 21:55	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A907261**

% Solids	99.3	0.00	% by Weight	1	07/25/2019	07/26/2019 09:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190723-003X-0-6**

Date Sampled

**A193010-03 (Soil)**

**07/23/2019 08:15**

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: A907251**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.4 %		11.5-161	07/25/2019	07/25/2019 22:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.3 %		65.1-116	07/25/2019	07/25/2019 22:26	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A907261**

% Solids	98.4	0.00	% by Weight	1	07/25/2019	07/26/2019 09:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190723-004X-10-13**

**A193010-04 (Soil)**

**Date Sampled**  
**07/23/2019 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: A907251**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	07/25/2019	07/25/2019 22:57	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		47.7 %		11.5-161	07/25/2019	07/25/2019 22:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.8 %		65.1-116	07/25/2019	07/25/2019 22:57	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A907261**

<b>% Solids</b>	<b>99.1</b>	0.00	% by Weight	1	07/25/2019	07/26/2019 09:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A907251 - EPA 3570

##### Blank (A907251-BLK1)

Prepared: 07/25/2019 Analyzed: 07/25/2019 20:52

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	1060		ug/kg wet	2000		53.1	11.5-161			
Surrogate: Nitrobenzene-d5	1860		ug/kg wet	2000		93.0	65.1-116			

##### LCS (A907251-BS1)

Prepared: 07/25/2019 Analyzed: 07/25/2019 21:23

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg wet	2038		91.8	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1830	200	ug/kg wet	2000		91.5	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1770	200	ug/kg wet	2000		88.5	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg wet	2002		95.2	68.8-113			
1,3,5-Trinitrobenzene	1570	200	ug/kg wet	2000		78.4	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1810	200	ug/kg wet	2000		90.3	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1770	200	ug/kg wet	2000		88.7	75-113			
1,3-Dinitrobenzene	1570	200	ug/kg wet	2000		78.4	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1620	200	ug/kg wet	2082		77.8	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	2190	200	ug/kg wet	2096		104	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1790	200	ug/kg wet	2066		86.4	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg wet	2000		93.5	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg wet	2058		81.7	70.2-109			
2,3-Dinitrotoluene	1830	200	ug/kg wet	2000		91.4	64.2-125			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A907251 - EPA 3570

##### LCS (A907251-BS1)

Prepared: 07/25/2019 Analyzed: 07/25/2019 21:23

2,4,6-Trinitrotoluene	1880	200	ug/kg wet	2000		94.0	57.1-139			
2,4-Dinitrotoluene	1740	200	ug/kg wet	2000		86.9	67.4-120			
2,5-Dinitrotoluene	1610	200	ug/kg wet	2000		80.3	62-124			
2,6-Dinitrotoluene	1810	200	ug/kg wet	2000		90.5	74.6-116			
2-Amino-4,6-dinitrotoluene	1650	200	ug/kg wet	2000		82.4	65.9-110			
2-Nitrotoluene	1920	200	ug/kg wet	2000		96.0	76.3-114			
3,4-Dinitrotoluene	1760	200	ug/kg wet	2026		87.0	68.2-117			
3,5-Dinitroaniline	1610	200	ug/kg wet	2000		80.5	61.6-115			
3,5-Dinitrotoluene	1800	200	ug/kg wet	2000		90.0	70.5-120			
3-Nitrotoluene	1840	200	ug/kg wet	2000		92.2	77.4-113			
4-Amino-2,6-dinitrotoluene	1680	200	ug/kg wet	2000		84.1	57.5-113			
4-Nitrotoluene	1860	200	ug/kg wet	2000		93.0	74.8-112			
Nitrobenzene	1930	200	ug/kg wet	2000		96.4	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1730</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>86.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1890</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>94.6</i>	<i>65.1-116</i>			

##### Matrix Spike (A907251-MS1)

Source: A193010-01

Prepared: 07/25/2019 Analyzed: 07/26/2019 00:32

1,2-Dimethyl-3,4-Dinitrobenzene	1860	200	ug/kg dry	2064	ND	90.3	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1850	200	ug/kg dry	2026	ND	91.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1820	200	ug/kg dry	2026	ND	90.0	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg dry	2028	ND	94.0	58.4-113			
1,3,5-Trinitrobenzene	1570	200	ug/kg dry	2026	ND	77.6	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2026	ND	90.0	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1810	200	ug/kg dry	2026	ND	89.4	70.7-112			
1,3-Dinitrobenzene	1590	200	ug/kg dry	2026	ND	78.4	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg dry	2109	ND	81.8	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	2020	200	ug/kg dry	2123	ND	95.1	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2093	ND	87.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2026	ND	92.3	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2085	ND	85.8	58-113			
2,3-Dinitrotoluene	1850	200	ug/kg dry	2026	ND	91.3	61.1-127			
2,4,6-Trinitrotoluene	1910	200	ug/kg dry	2026	ND	94.2	38.8-138			
2,4-Dinitrotoluene	1790	200	ug/kg dry	2026	ND	88.2	44.1-133			
2,5-Dinitrotoluene	1650	200	ug/kg dry	2026	ND	81.7	58.3-132			
2,6-Dinitrotoluene	1830	200	ug/kg dry	2026	ND	90.3	52.5-128			
2-Amino-4,6-dinitrotoluene	1700	200	ug/kg dry	2026	ND	83.7	18-135			
2-Nitrotoluene	1970	200	ug/kg dry	2026	ND	97.4	73.9-113			
3,4-Dinitrotoluene	1720	200	ug/kg dry	2052	ND	84.0	52.8-120			
3,5-Dinitroaniline	1660	200	ug/kg dry	2026	ND	82.0	22.9-131			
3,5-Dinitrotoluene	1850	200	ug/kg dry	2026	ND	91.1	59.3-135			
3-Nitrotoluene	1910	200	ug/kg dry	2026	ND	94.3	73.6-116			
4-Amino-2,6-dinitrotoluene	1690	200	ug/kg dry	2026	ND	83.2	10-144			
4-Nitrotoluene	1920	200	ug/kg dry	2026	ND	94.9	71.2-114			
Nitrobenzene	1970	200	ug/kg dry	2026	ND	97.0	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1760</i>		<i>ug/kg dry</i>	<i>2026</i>		<i>87.0</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1870</i>		<i>ug/kg dry</i>	<i>2026</i>		<i>92.4</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A907251 - EPA 3570

##### Matrix Spike Dup (A907251-MSD1)

Source: A193010-01

Prepared: 07/25/2019 Analyzed: 07/26/2019 01:03

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg dry	2064	ND	90.5	59.9-113	0.220	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1850	200	ug/kg dry	2026	ND	91.4	63.5-111	0.129	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1800	200	ug/kg dry	2026	ND	89.0	67.8-114	1.17	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1950	200	ug/kg dry	2028	ND	96.2	58.4-113	2.39	20	
1,3,5-Trinitrobenzene	1580	200	ug/kg dry	2026	ND	77.8	12.3-150	0.254	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2026	ND	89.7	63.6-111	0.322	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg dry	2026	ND	88.7	70.7-112	0.722	20	
1,3-Dinitrobenzene	1660	200	ug/kg dry	2026	ND	82.0	32.8-135	4.48	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1930	200	ug/kg dry	2109	ND	91.7	58.1-109	11.3	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1580	200	ug/kg dry	2123	ND	74.6	64.1-108	24.2	20	X
1,4-Dimethyl-2,6-Dinitrobenzene	1840	200	ug/kg dry	2093	ND	87.8	64.3-107	0.152	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1880	200	ug/kg dry	2026	ND	93.0	61.6-112	0.794	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg dry	2085	ND	84.0	58-113	2.13	20	
2,3-Dinitrotoluene	1840	200	ug/kg dry	2026	ND	91.0	61.1-127	0.336	20	
2,4,6-Trinitrotoluene	1940	200	ug/kg dry	2026	ND	96.0	38.8-138	1.82	20	
2,4-Dinitrotoluene	1800	200	ug/kg dry	2026	ND	89.1	44.1-133	0.960	20	
2,5-Dinitrotoluene	1660	200	ug/kg dry	2026	ND	81.8	58.3-132	0.147	20	
2,6-Dinitrotoluene	1860	200	ug/kg dry	2026	ND	91.7	52.5-128	1.63	20	
2-Amino-4,6-dinitrotoluene	1710	200	ug/kg dry	2026	ND	84.6	18-135	1.07	20	
2-Nitrotoluene	1970	200	ug/kg dry	2026	ND	97.2	73.9-113	0.242	20	
3,4-Dinitrotoluene	1780	200	ug/kg dry	2052	ND	86.6	52.8-120	3.05	20	
3,5-Dinitroaniline	1630	200	ug/kg dry	2026	ND	80.6	22.9-131	1.75	20	
3,5-Dinitrotoluene	1830	200	ug/kg dry	2026	ND	90.4	59.3-135	0.787	20	
3-Nitrotoluene	1940	200	ug/kg dry	2026	ND	95.6	73.6-116	1.45	20	
4-Amino-2,6-dinitrotoluene	1780	200	ug/kg dry	2026	ND	87.6	10-144	5.17	20	
4-Nitrotoluene	1920	200	ug/kg dry	2026	ND	95.0	71.2-114	0.106	20	
Nitrobenzene	2000	200	ug/kg dry	2026	ND	98.9	72.5-112	1.93	20	
Surrogate: 2,2'-Dinitrobiphenyl	1820		ug/kg dry	2026		89.9	11.5-161			
Surrogate: Nitrobenzene-d5	1940		ug/kg dry	2026		95.8	65.1-116			

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A907261 - % Solids**

<b>Duplicate (A907261-DUP1)</b>	<b>Source: A193010-04</b>		Prepared: 07/25/2019 Analyzed: 07/26/2019 09:25							
% Solids	99.2	0.00	% by Weight		99.1			0.0884	20	

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Project Number: 60505619  
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.
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference







2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

September 03, 2019

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 08/16/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



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Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190814-04N-0-8	A193321-01	Soil	08/14/2019	08/16/2019
SITG-190814-04S-0-8	A193321-02	Soil	08/14/2019	08/16/2019
SITG-190814-04W-0-8	A193321-03	Soil	08/14/2019	08/16/2019
SITG-190814-05C-8-8.5	A193321-04	Soil	08/14/2019	08/16/2019
SITG-190814-05N-0-8	A193321-05	Soil	08/14/2019	08/16/2019
SITG-190814-06S-0-8	A193321-06	Soil	08/14/2019	08/16/2019
SITG-190814-06C-8-8.5	A193321-07	Soil	08/14/2019	08/16/2019
SITG-190814-07N-0-4	A193321-08	Soil	08/14/2019	08/16/2019
SITG-190814-07C-4-4.5	A193321-09	Soil	08/14/2019	08/16/2019
SITG-190814-07S-0-4	A193321-10	Soil	08/14/2019	08/16/2019
SITG-190814-08E-0-8	A193321-11	Soil	08/14/2019	08/16/2019
SITG-190814-08C-8-8.5	A193321-12	Soil	08/14/2019	08/16/2019
SITG-190814-08S-0-8	A193321-13	Soil	08/14/2019	08/16/2019
SITG-190814-08X-0-8	A193321-14	Soil	08/14/2019	08/16/2019
SITG-190814-09N-0-8	A193321-15	Soil	08/14/2019	08/16/2019
SITG-190814-09C-8-8.5	A193321-16	Soil	08/14/2019	08/16/2019
SITG-190814-09E-0-8	A193321-17	Soil	08/14/2019	08/16/2019
SITG-190814-09X-0-8	A193321-18	Soil	08/14/2019	08/16/2019
SITG-190814-10N-0-4	A193321-19	Soil	08/14/2019	08/16/2019
SITG-190814-10E-0-4	A193321-20	Soil	08/14/2019	08/16/2019
SITG-190814-10S-0-4	A193321-21	Soil	08/14/2019	08/16/2019
SITG-190814-10C-4-4.5	A193321-22	Soil	08/14/2019	08/16/2019
SITG-190814-10X-0-4	A193321-23	Soil	08/14/2019	08/16/2019
SITG-190814-11W-0-4	A193321-24	Soil	08/14/2019	08/16/2019
SITG-190814-11E-0-4	A193321-25	Soil	08/14/2019	08/16/2019
SITG-190814-11C-4-4.5	A193321-26	Soil	08/14/2019	08/16/2019
SITG-190814-11X-0-4	A193321-27	Soil	08/14/2019	08/16/2019
SITG-190814-12E-0-4	A193321-28	Soil	08/14/2019	08/16/2019
SITG-190814-12C-4-4.5	A193321-29	Soil	08/14/2019	08/16/2019
SITG-190814-12W-0-4	A193321-30	Soil	08/14/2019	08/16/2019
SITG-190814-12P-5.5-6	A193321-31	Soil	08/14/2019	08/16/2019
SITG-190814-12X-0-4	A193321-32	Soil	08/14/2019	08/16/2019
SITG-190814-13W-0-4	A193321-33	Soil	08/14/2019	08/16/2019

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Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190814-13E-0-4	A193321-34	Soil	08/14/2019	08/16/2019
SITG-190814-13C-4-4.5	A193321-35	Soil	08/14/2019	08/16/2019
SITG-190814-13X-0-4	A193321-36	Soil	08/14/2019	08/16/2019
SITG-190814-14W-0-4	A193321-37	Soil	08/14/2019	08/16/2019
SITG-190814-14P-5.5-6	A193321-38	Soil	08/14/2019	08/16/2019
SITG-190814-14C-4-4.5	A193321-39	Soil	08/14/2019	08/16/2019
SITG-190814-14E-0-4	A193321-40	Soil	08/14/2019	08/16/2019
SITG-190814-14X-0-4	A193321-41	Soil	08/14/2019	08/16/2019
SITG-190814-15N-2-4	A193321-42	Soil	08/14/2019	08/16/2019
SITG-190814-15W-0-4	A193321-43	Soil	08/14/2019	08/16/2019
SITG-190814-15C-4-4.5	A193321-44	Soil	08/14/2019	08/16/2019
SITG-190814-15E-0-4	A193321-45	Soil	08/14/2019	08/16/2019
SITG-190814-15X-0-4	A193321-46	Soil	08/14/2019	08/16/2019
SITG-190814-04N-D-0-8	A193321-47	Soil	08/14/2019	08/16/2019
SITG-190814-07C-D-4-4.5	A193321-48	Soil	08/14/2019	08/16/2019
SITG-190814-14C-D-4-4.5	A193321-49	Soil	08/14/2019	08/16/2019
SIGP-190812-PAJ-68-0-2	A193321-50	Soil	08/12/2019	08/16/2019
SIGP-190812-PAJ-68-2-4	A193321-51	Soil	08/12/2019	08/16/2019
SIGP-190813-PAJ-69-0-2	A193321-52	Soil	08/13/2019	08/16/2019
SIGP-190813-PAJ-69-2-4	A193321-53	Soil	08/13/2019	08/16/2019
SIGP-190813-PAJ-70-0-2	A193321-54	Soil	08/13/2019	08/16/2019
SIGP-190813-PAJ-70-2-4	A193321-55	Soil	08/13/2019	08/16/2019
SIGP-190815-PAJ-72-0-2	A193321-56	Soil	08/15/2019	08/16/2019
SIGP-190815-PAJ-72-2-4	A193321-57	Soil	08/15/2019	08/16/2019

AECOM  
4051 Ogletown Road  
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Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

## **CASE NARRATIVE**

### **Sample Receipt Information:**

57 samples were received on 08/16/2019. Samples were received at 1.4 degrees Celsius. Samples were received in acceptable condition, with the exception of the label discrepancy noted below.

Sample A193321-10 had a discrepancy between the sample description on the container label versus the container lid. Per the client, the sample description on the container lid is correct.

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: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-04N-0-8**

**A193321-01 (Soil)**

**Date Sampled**  
**08/14/2019 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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/27/2019 23:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.0 %		11.5-161	08/26/2019	08/27/2019 23:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.6 %		65.1-116	08/26/2019	08/27/2019 23:48	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.1</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-04S-0-8**

Date Sampled

**A193321-02 (Soil)**

**08/14/2019 09:02**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		29.0 %		11.5-161	08/26/2019	08/28/2019 00:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.9 %		65.1-116	08/26/2019	08/28/2019 00:19	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

% Solids	99.0	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-04W-0-8**

**A193321-03 (Soil)**

Date Sampled

08/14/2019 09:04

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 00:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.5 %		11.5-161	08/26/2019	08/28/2019 00:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.7 %		65.1-116	08/26/2019	08/28/2019 00:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

% Solids	98.3	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-05C-8-8.5**

**A193321-04 (Soil)**

Date Sampled

08/14/2019 09:06

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		33.8 %		11.5-161	08/26/2019	08/28/2019 01:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.5 %		65.1-116	08/26/2019	08/28/2019 01:22	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

% Solids	99.4	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-05N-0-8**

Date Sampled

**A193321-05 (Soil)**

**08/14/2019 09:08**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>230000</b>	4000	ug/kg dry	20	08/26/2019	08/28/2019 13:23	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>240</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>300</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>1200</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 01:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.2 %	11.5-161		08/26/2019	08/28/2019 01:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.9 %	65.1-116		08/26/2019	08/28/2019 01:53	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-06S-0-8**

**A193321-06 (Soil)**

Date Sampled

08/14/2019 09:10

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 02:24	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.1 %	11.5-161		08/26/2019	08/28/2019 02:24	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.1 %	65.1-116		08/26/2019	08/28/2019 02:24	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

% Solids	98.9	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-06C-8-8.5**

**A193321-07 (Soil)**

Date Sampled

08/14/2019 09:12

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 04:30	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.9 %	11.5-161		08/26/2019	08/28/2019 04:30	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.7 %	65.1-116		08/26/2019	08/28/2019 04:30	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

% Solids	99.4	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-07N-0-4**

Date Sampled

**A193321-08 (Soil)**

**08/14/2019 09:14**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>340</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>200</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 05:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.9 %		11.5-161	08/26/2019	08/28/2019 05:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.8 %		65.1-116	08/26/2019	08/28/2019 05:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-07C-4-4.5**

**A193321-09 (Soil)**

Date Sampled

08/14/2019 09:16

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 05:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		34.4 %		11.5-161	08/26/2019	08/28/2019 05:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.2 %		65.1-116	08/26/2019	08/28/2019 05:33	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

% Solids	99.1	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-07S-0-4**

**Date Sampled**

**A193321-10 (Soil)**

**08/14/2019 09:18**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		37.5 %		11.5-161	08/26/2019	08/28/2019 06:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		65.1-116	08/26/2019	08/28/2019 06:04	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.0</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-08E-0-8**

Date Sampled

**A193321-11 (Soil)**

**08/14/2019 09:20**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>590</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 06:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		42.9 %		11.5-161	08/26/2019	08/28/2019 06:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.8 %		65.1-116	08/26/2019	08/28/2019 06:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-08C-8-8.5**

**A193321-12 (Soil)**

**Date Sampled**

**08/14/2019 09:22**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.7 %		11.5-161	08/26/2019	08/28/2019 07:07	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.3 %		65.1-116	08/26/2019	08/28/2019 07:07	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.4</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-08S-0-8**

**A193321-13 (Soil)**

**Date Sampled**

**08/14/2019 09:24**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 07:38	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.0 %		11.5-161	08/26/2019	08/28/2019 07:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.1 %		65.1-116	08/26/2019	08/28/2019 07:38	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.0</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-08X-0-8**

**A193321-14 (Soil)**

**Date Sampled**

**08/14/2019 09:26**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:10	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.2 %		11.5-161	08/26/2019	08/28/2019 08:10	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.3 %		65.1-116	08/26/2019	08/28/2019 08:10	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-09N-0-8**

Date Sampled

**A193321-15 (Soil)**

**08/14/2019 09:28**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1200</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 08:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.8 %		11.5-161	08/26/2019	08/28/2019 08:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.8 %		65.1-116	08/26/2019	08/28/2019 08:41	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-09C-8-8.5**

**A193321-16 (Soil)**

Date Sampled

08/14/2019 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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 09:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		37.5 %		11.5-161	08/26/2019	08/28/2019 09:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.4 %		65.1-116	08/26/2019	08/28/2019 09:12	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

% Solids	99.4	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-09E-0-8**

**A193321-17 (Soil)**

**Date Sampled**

**08/14/2019 09:32**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 10:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		60.8 %	11.5-161		08/26/2019	08/28/2019 10:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.6 %	65.1-116		08/26/2019	08/28/2019 10:46	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-09X-0-8**

Date Sampled

**A193321-18 (Soil)**

**08/14/2019 09:34**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>510</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.6 %		11.5-161	08/26/2019	08/28/2019 11:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.2 %		65.1-116	08/26/2019	08/28/2019 11:17	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>99.1</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-10N-0-4**

Date Sampled

**A193321-19 (Soil)**

**08/14/2019 09:36**

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: A908212**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1500</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>240</b>	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/26/2019	08/28/2019 11:49	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.0 %		11.5-161	08/26/2019	08/28/2019 11:49	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.9 %		65.1-116	08/26/2019	08/28/2019 11:49	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-10E-0-4**

Date Sampled

**A193321-20 (Soil)**

**08/14/2019 09:38**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>560</b>	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	M, X
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>230</b>	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 18:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		82.6 %		11.5-161	08/27/2019	08/30/2019 18:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		110 %		65.1-116	08/27/2019	08/30/2019 18:44	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908194**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	08/20/2019	08/21/2019 09:08	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-10S-0-4**

Date Sampled

**A193321-21 (Soil)**

**08/14/2019 09:40**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		42.2 %		11.5-161	08/27/2019	08/29/2019 15:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.4 %		65.1-116	08/27/2019	08/29/2019 15:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-10C-4-4.5**

**A193321-22 (Soil)**

Date Sampled  
**08/14/2019 09:42**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 15:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		36.5 %	11.5-161		08/27/2019	08/29/2019 15:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.2 %	65.1-116		08/27/2019	08/29/2019 15:34	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

% Solids	98.7	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-10X-0-4**

Date Sampled

**A193321-23 (Soil)**

**08/14/2019 09:44**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:05	EPA 8270D
Surrogate: 2,2'-Dinitrobiphenyl		49.7 %		11.5-161	08/27/2019	08/29/2019 16:05	EPA 8270D
Surrogate: Nitrobenzene-d5		93.2 %		65.1-116	08/27/2019	08/29/2019 16:05	EPA 8270D

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-11W-0-4**

**A193321-24 (Soil)**

Date Sampled  
**08/14/2019 09:46**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 16:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.8 %	11.5-161		08/27/2019	08/29/2019 16:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.8 %	65.1-116		08/27/2019	08/29/2019 16:37	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.3</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-11E-0-4**

Date Sampled

**A193321-25 (Soil)**

**08/14/2019 09:48**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>30000</b>	2000	ug/kg dry	10	08/27/2019	08/30/2019 20:18	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>770</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>860</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>840</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 17:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		97.7 %		11.5-161	08/27/2019	08/29/2019 17:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.0 %		65.1-116	08/27/2019	08/29/2019 17:08	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>98.8</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-11C-4-4.5**

**A193321-26 (Soil)**

**Date Sampled**

**08/14/2019 09:50**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 18:42	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		67.1 %		11.5-161	08/27/2019	08/29/2019 18:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		103 %		65.1-116	08/27/2019	08/29/2019 18:42	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.3</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-11X-0-4**

**A193321-27 (Soil)**

**Date Sampled**

**08/14/2019 09:52**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		61.3 %	11.5-161		08/27/2019	08/29/2019 19:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.3 %	65.1-116		08/27/2019	08/29/2019 19:14	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.3</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-12E-0-4**

Date Sampled

**A193321-28 (Soil)**

**08/14/2019 09:56**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>610</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 19:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		70.8 %		11.5-161	08/27/2019	08/29/2019 19:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.7 %		65.1-116	08/27/2019	08/29/2019 19:45	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>98.9</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-12C-4-4.5**  
**A193321-29 (Soil)**

Date Sampled  
**08/14/2019 09:58**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:16	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		55.3 %		11.5-161	08/27/2019	08/29/2019 20:16	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.9 %		65.1-116	08/27/2019	08/29/2019 20:16	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

% Solids	99.3	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-12W-0-4**

**A193321-30 (Soil)**

Date Sampled  
**08/14/2019 10:00**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2200</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 20:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.6 %		11.5-161	08/27/2019	08/29/2019 20:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.2 %		65.1-116	08/27/2019	08/29/2019 20:48	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-12P-5.5-6**

**A193321-31 (Soil)**

**Date Sampled**  
**08/14/2019 10:02**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.9 %		11.5-161	08/27/2019	08/29/2019 21:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.9 %		65.1-116	08/27/2019	08/29/2019 21:19	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.3</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-12X-0-4**

Date Sampled

**A193321-32 (Soil)**

**08/14/2019 09:54**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>260</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>2600</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 21:50	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.0 %		11.5-161	08/27/2019	08/29/2019 21:50	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.5 %		65.1-116	08/27/2019	08/29/2019 21:50	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-13W-0-4**

Date Sampled

**A193321-33 (Soil)**

**08/14/2019 10:04**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>14000</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>430</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>580</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>11000</b>	200	ug/kg dry	1	08/27/2019	08/29/2019 22:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		87.5 %		11.5-161	08/27/2019	08/29/2019 22:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.2 %		65.1-116	08/27/2019	08/29/2019 22:22	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-13E-0-4**

**A193321-34 (Soil)**

**Date Sampled**  
**08/14/2019 10:06**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 22:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.9 %	11.5-161		08/27/2019	08/29/2019 22:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.5 %	65.1-116		08/27/2019	08/29/2019 22:53	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.3</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-13C-4-4.5**

**A193321-35 (Soil)**

Date Sampled  
**08/14/2019 10:08**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/29/2019 23:25	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.6 %		11.5-161	08/27/2019	08/29/2019 23:25	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.2 %		65.1-116	08/27/2019	08/29/2019 23:25	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-13X-0-4**

**A193321-36 (Soil)**

**Date Sampled**  
**08/14/2019 10:10**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 01:30	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.5 %	11.5-161		08/27/2019	08/30/2019 01:30	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.1 %	65.1-116		08/27/2019	08/30/2019 01:30	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.3</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-14W-0-4**

Date Sampled

**A193321-37 (Soil)**

**08/14/2019 10:12**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>13000</b>	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>570</b>	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>760</b>	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>2300</b>	200	ug/kg dry	1	08/27/2019	08/30/2019 02:01	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		93.2 %		11.5-161	08/27/2019	08/30/2019 02:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.0 %		65.1-116	08/27/2019	08/30/2019 02:01	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.1</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-14P-5.5-6**

Date Sampled

**A193321-38 (Soil)**

**08/14/2019 10:14**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 02:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.5 %		11.5-161	08/27/2019	08/30/2019 02:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.8 %		65.1-116	08/27/2019	08/30/2019 02:33	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

% Solids	99.3	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-14C-4-4.5**

**A193321-39 (Soil)**

**Date Sampled**

**08/14/2019 10:16**

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: A908217**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/27/2019	08/30/2019 03:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.8 %		11.5-161	08/27/2019	08/30/2019 03:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.3 %		65.1-116	08/27/2019	08/30/2019 03:04	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>99.4</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-14E-0-4**

**A193321-40 (Soil)**

Date Sampled  
**08/14/2019 10:18**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>44000</b>	4100	ug/kg dry	20	08/28/2019	08/30/2019 21:52	EPA 8270D	M1, D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>480</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>580</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>800</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 05:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		99.3 %		11.5-161	08/28/2019	08/30/2019 05:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.5 %		65.1-116	08/28/2019	08/30/2019 05:41	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908196**

<b>% Solids</b>	<b>98.8</b>	0.00	% by Weight	1	08/21/2019	08/22/2019 09:51	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-14X-0-4**

Date Sampled

**A193321-41 (Soil)**

**08/14/2019 10:20**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>340</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>240</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>410</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 06:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.5 %		11.5-161	08/28/2019	08/30/2019 06:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		102 %		65.1-116	08/28/2019	08/30/2019 06:12	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-15N-2-4**

**A193321-42 (Soil)**

Date Sampled  
**08/14/2019 10:22**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 07:46	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>20000</b>	2000	ug/kg dry	10	08/28/2019	08/30/2019 22:23	EPA 8270D	D
Surrogate: 2,2'-Dinitrobiphenyl		90.7 %		11.5-161	08/28/2019	08/30/2019 07:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		102 %		65.1-116	08/28/2019	08/30/2019 07:46	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-15W-0-4**

**A193321-43 (Soil)**

Date Sampled

08/14/2019 10:24

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1500</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>410</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>570</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:18	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>60000</b>	8200	ug/kg dry	40	08/28/2019	08/30/2019 22:55	EPA 8270D	D
Surrogate: 2,2'-Dinitrobiphenyl		93.1 %		11.5-161	08/28/2019	08/30/2019 08:18	EPA 8270D	
Surrogate: Nitrobenzene-d5		103 %		65.1-116	08/28/2019	08/30/2019 08:18	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-15C-4-4.5**

**A193321-44 (Soil)**

Date Sampled

08/14/2019 10:26

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>250</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 08:49	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.7 %		11.5-161	08/28/2019	08/30/2019 08:49	EPA 8270D	
Surrogate: Nitrobenzene-d5		107 %		65.1-116	08/28/2019	08/30/2019 08:49	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>99.5</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-15E-0-4**

**A193321-45 (Soil)**

Date Sampled

08/14/2019 10:28

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>220</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 09:21	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.1 %		11.5-161	08/28/2019	08/30/2019 09:21	EPA 8270D	
Surrogate: Nitrobenzene-d5		104 %		65.1-116	08/28/2019	08/30/2019 09:21	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>99.5</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-15X-0-4**  
**A193321-46 (Soil)**

Date Sampled  
**08/14/2019 10:30**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>320</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>200</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 09:52	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		70.6 %		11.5-161	08/28/2019	08/30/2019 09:52	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %		65.1-116	08/28/2019	08/30/2019 09:52	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>99.5</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-04N-D-0-8**

**A193321-47 (Soil)**

Date Sampled  
**08/14/2019 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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:23	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		53.3 %	11.5-161		08/28/2019	08/30/2019 10:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		100 %	65.1-116		08/28/2019	08/30/2019 10:23	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

% Solids	99.5	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190814-07C-D-4-4.5**

**A193321-48 (Soil)**

Date Sampled  
**08/14/2019 09:16**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 10:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.5 %		11.5-161	08/28/2019	08/30/2019 10:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %		65.1-116	08/28/2019	08/30/2019 10:54	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

% Solids	99.2	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190814-14C-D-4-4.5**

**A193321-49 (Soil)**

**Date Sampled**

**08/14/2019 10:16**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 11:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		57.4 %	11.5-161		08/28/2019	08/30/2019 11:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %	65.1-116		08/28/2019	08/30/2019 11:26	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>99.6</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190812-PAJ-68-0-2**

**A193321-50 (Soil)**

Date Sampled  
**08/12/2019 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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 11:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.9 %	11.5-161		08/28/2019	08/30/2019 11:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.3 %	65.1-116		08/28/2019	08/30/2019 11:57	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

% Solids	97.6	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190812-PAJ-68-2-4**

**A193321-51 (Soil)**

Date Sampled  
**08/12/2019 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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 12:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		41.7 %	11.5-161		08/28/2019	08/30/2019 12:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.0 %	65.1-116		08/28/2019	08/30/2019 12:28	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

% Solids	97.6	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190813-PAJ-69-0-2**

**A193321-52 (Soil)**

Date Sampled  
**08/13/2019 14:36**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>5400</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>230</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 14:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.1 %		11.5-161	08/28/2019	08/30/2019 14:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.4 %		65.1-116	08/28/2019	08/30/2019 14:34	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190813-PAJ-69-2-4**

**A193321-53 (Soil)**

**Date Sampled**

**08/13/2019 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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:05	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.3 %		11.5-161	08/28/2019	08/30/2019 15:05	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.4 %		65.1-116	08/28/2019	08/30/2019 15:05	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>99.1</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190813-PAJ-70-0-2**

**A193321-54 (Soil)**

**Date Sampled**

**08/13/2019 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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 15:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.0 %	11.5-161		08/28/2019	08/30/2019 15:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.6 %	65.1-116		08/28/2019	08/30/2019 15:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190813-PAJ-70-2-4**

**A193321-55 (Soil)**

Date Sampled

08/13/2019 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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
<b>1,3-Dinitrobenzene</b>	<b>260</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.0 %		11.5-161	08/28/2019	08/30/2019 16:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.2 %		65.1-116	08/28/2019	08/30/2019 16:08	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190815-PAJ-72-0-2**

**A193321-56 (Soil)**

Date Sampled  
**08/15/2019 08:30**

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>230</b>	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/30/2019 16:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.6 %		11.5-161	08/28/2019	08/30/2019 16:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.8 %		65.1-116	08/28/2019	08/30/2019 16:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190815-PAJ-72-2-4**

**A193321-57 (Soil)**

Date Sampled

08/15/2019 08:32

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: A908223**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	08/28/2019	08/30/2019 17:10	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		46.8 %	11.5-161		08/28/2019	08/30/2019 17:10	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.9 %	65.1-116		08/28/2019	08/30/2019 17:10	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908204**

% Solids	97.3	0.00	% by Weight	1	08/22/2019	08/23/2019 08:25	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908212 - EPA 3570

##### Blank (A908212-BLK1)

Prepared: 08/26/2019 Analyzed: 08/27/2019 23:17

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

705 ug/kg wet 2000 35.2 11.5-161

Surrogate: Nitrobenzene-d5

1840 ug/kg wet 2000 91.9 65.1-116

##### LCS (A908212-BS1)

Prepared: 08/26/2019 Analyzed: 08/27/2019 21:43

1,2-Dimethyl-3,4-Dinitrobenzene	1890	200	ug/kg wet	2038	92.9	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1780	200	ug/kg wet	2000	88.8	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1800	200	ug/kg wet	2000	89.9	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1940	200	ug/kg wet	2002	97.0	68.8-113
1,3,5-Trinitrobenzene	1980	200	ug/kg wet	2000	98.9	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg wet	2000	92.1	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2000	92.7	75-113
1,3-Dinitrobenzene	1780	200	ug/kg wet	2000	88.9	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg wet	2082	88.3	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg wet	2096	86.6	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	2066	89.7	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2000	94.4	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1810	200	ug/kg wet	2058	88.1	70.2-109
2,3-Dinitrotoluene	2010	200	ug/kg wet	2000	101	64.2-125

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Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908212 - EPA 3570

##### LCS (A908212-BS1)

Prepared: 08/26/2019 Analyzed: 08/27/2019 21:43

2,4,6-Trinitrotoluene	2040	200	ug/kg wet	2000		102	57.1-139			
2,4-Dinitrotoluene	1710	200	ug/kg wet	2000		85.7	67.4-120			
2,5-Dinitrotoluene	1800	200	ug/kg wet	2000		90.1	62-124			
2,6-Dinitrotoluene	1880	200	ug/kg wet	2000		94.0	74.6-116			
2-Amino-4,6-dinitrotoluene	1760	200	ug/kg wet	2000		88.2	65.9-110			
2-Nitrotoluene	1990	200	ug/kg wet	2000		99.3	76.3-114			
3,4-Dinitrotoluene	1820	200	ug/kg wet	2026		89.7	68.2-117			
3,5-Dinitroaniline	1710	200	ug/kg wet	2000		85.6	61.6-115			
3,5-Dinitrotoluene	1850	200	ug/kg wet	2000		92.3	70.5-120			
3-Nitrotoluene	1950	200	ug/kg wet	2000		97.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1580	200	ug/kg wet	2000		78.8	57.5-113			
4-Nitrotoluene	1940	200	ug/kg wet	2000		97.1	74.8-112			
Nitrobenzene	1940	200	ug/kg wet	2000		97.1	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1700</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>84.8</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1950</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>97.5</i>	<i>65.1-116</i>			

##### Matrix Spike (A908212-MS1)

Source: A193321-01

Prepared: 08/26/2019 Analyzed: 08/27/2019 22:14

1,2-Dimethyl-3,4-Dinitrobenzene	1890	200	ug/kg dry	2056	ND	91.9	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1750	200	ug/kg dry	2017	ND	86.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg dry	2017	ND	94.3	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1930	200	ug/kg dry	2019	ND	95.4	58.4-113			
1,3,5-Trinitrobenzene	1930	200	ug/kg dry	2017	ND	95.4	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg dry	2017	ND	93.6	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1900	200	ug/kg dry	2017	ND	94.3	70.7-112			
1,3-Dinitrobenzene	1680	200	ug/kg dry	2017	ND	83.3	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg dry	2100	ND	91.5	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg dry	2114	ND	88.3	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg dry	2084	ND	90.7	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg dry	2017	ND	92.4	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg dry	2076	ND	88.8	58-113			
2,3-Dinitrotoluene	1950	200	ug/kg dry	2017	ND	96.5	61.1-127			
2,4,6-Trinitrotoluene	2000	200	ug/kg dry	2017	ND	99.3	38.8-138			
2,4-Dinitrotoluene	1800	200	ug/kg dry	2017	ND	89.1	44.1-133			
2,5-Dinitrotoluene	1750	200	ug/kg dry	2017	ND	86.9	58.3-132			
2,6-Dinitrotoluene	1880	200	ug/kg dry	2017	ND	93.2	52.5-128			
2-Amino-4,6-dinitrotoluene	1720	200	ug/kg dry	2017	ND	85.4	18-135			
2-Nitrotoluene	2030	200	ug/kg dry	2017	ND	101	73.9-113			
3,4-Dinitrotoluene	1850	200	ug/kg dry	2043	ND	90.8	52.8-120			
3,5-Dinitroaniline	1640	200	ug/kg dry	2017	ND	81.5	22.9-131			
3,5-Dinitrotoluene	1860	200	ug/kg dry	2017	ND	92.2	59.3-135			
3-Nitrotoluene	1970	200	ug/kg dry	2017	ND	97.8	73.6-116			
4-Amino-2,6-dinitrotoluene	1580	200	ug/kg dry	2017	ND	78.2	10-144			
4-Nitrotoluene	1970	200	ug/kg dry	2017	ND	97.6	71.2-114			
Nitrobenzene	2030	200	ug/kg dry	2017	ND	101	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1690</i>		<i>ug/kg dry</i>	<i>2017</i>		<i>83.8</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1980</i>		<i>ug/kg dry</i>	<i>2017</i>		<i>98.4</i>	<i>65.1-116</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 A908212 - EPA 3570

##### Matrix Spike Dup (A908212-MSD1)

Source: A193321-01

Prepared: 08/26/2019 Analyzed: 08/27/2019 22:46

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg dry	2056	ND	89.0	59.9-113	3.24	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1690	200	ug/kg dry	2017	ND	83.7	63.5-111	3.85	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1830	200	ug/kg dry	2017	ND	90.7	67.8-114	3.88	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1830	200	ug/kg dry	2019	ND	90.5	58.4-113	5.27	20	
1,3,5-Trinitrobenzene	1750	200	ug/kg dry	2017	ND	86.8	12.3-150	9.53	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2017	ND	88.9	63.6-111	5.16	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1840	200	ug/kg dry	2017	ND	91.3	70.7-112	3.29	20	
1,3-Dinitrobenzene	1600	200	ug/kg dry	2017	ND	79.3	32.8-135	4.89	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2100	ND	89.1	58.1-109	2.64	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg dry	2114	ND	85.0	64.1-108	3.84	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1800	200	ug/kg dry	2084	ND	86.6	64.3-107	4.65	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1790	200	ug/kg dry	2017	ND	88.6	61.6-112	4.12	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg dry	2076	ND	84.2	58-113	5.41	20	
2,3-Dinitrotoluene	1860	200	ug/kg dry	2017	ND	92.0	61.1-127	4.77	20	
2,4,6-Trinitrotoluene	1950	200	ug/kg dry	2017	ND	96.9	38.8-138	2.48	20	
2,4-Dinitrotoluene	1720	200	ug/kg dry	2017	ND	85.1	44.1-133	4.61	20	
2,5-Dinitrotoluene	1640	200	ug/kg dry	2017	ND	81.4	58.3-132	6.50	20	
2,6-Dinitrotoluene	1790	200	ug/kg dry	2017	ND	88.6	52.5-128	5.02	20	
2-Amino-4,6-dinitrotoluene	1680	200	ug/kg dry	2017	ND	83.2	18-135	2.57	20	
2-Nitrotoluene	1980	200	ug/kg dry	2017	ND	98.2	73.9-113	2.68	20	
3,4-Dinitrotoluene	1760	200	ug/kg dry	2043	ND	85.9	52.8-120	5.51	20	
3,5-Dinitroaniline	1610	200	ug/kg dry	2017	ND	80.0	22.9-131	1.76	20	
3,5-Dinitrotoluene	1760	200	ug/kg dry	2017	ND	87.1	59.3-135	5.73	20	
3-Nitrotoluene	1870	200	ug/kg dry	2017	ND	92.9	73.6-116	5.16	20	
4-Amino-2,6-dinitrotoluene	1530	200	ug/kg dry	2017	ND	76.0	10-144	2.81	20	
4-Nitrotoluene	1870	200	ug/kg dry	2017	ND	92.8	71.2-114	5.00	20	
Nitrobenzene	1960	200	ug/kg dry	2017	ND	97.2	72.5-112	3.42	20	
Surrogate: 2,2'-Dinitrobiphenyl	1690		ug/kg dry	2017		83.9	11.5-161			
Surrogate: Nitrobenzene-d5	1930		ug/kg dry	2017		95.6	65.1-116			

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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 A908217 - EPA 3570

##### Blank (A908217-BLK1)

Prepared: 08/27/2019 Analyzed: 08/29/2019 13:59

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'-Dinitrophenyl	1060		ug/kg wet	2000		53.2	11.5-161			
Surrogate: Nitrobenzene-d5	2100		ug/kg wet	2000		105	65.1-116			

##### LCS (A908217-BS1)

Prepared: 08/27/2019 Analyzed: 08/29/2019 13:28

1,2-Dimethyl-3,4-Dinitrobenzene	1730	200	ug/kg wet	2038		84.8	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1710	200	ug/kg wet	2000		85.6	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1670	200	ug/kg wet	2000		83.3	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1730	200	ug/kg wet	2002		86.3	68.8-113			
1,3,5-Trinitrobenzene	1600	200	ug/kg wet	2000		80.0	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1810	200	ug/kg wet	2000		90.6	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1710	200	ug/kg wet	2000		85.4	75-113			
1,3-Dinitrobenzene	1830	200	ug/kg wet	2000		91.7	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1680	200	ug/kg wet	2082		80.7	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1690	200	ug/kg wet	2096		80.6	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1740	200	ug/kg wet	2066		84.2	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg wet	2000		88.0	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1710	200	ug/kg wet	2058		82.9	70.2-109			
2,3-Dinitrotoluene	1750	200	ug/kg wet	2000		87.3	64.2-125			

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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 A908217 - EPA 3570

##### LCS (A908217-BS1)

Prepared: 08/27/2019 Analyzed: 08/29/2019 13:28

2,4,6-Trinitrotoluene	1720	200	ug/kg wet	2000		86.2	57.1-139			
2,4-Dinitrotoluene	1660	200	ug/kg wet	2000		82.9	67.4-120			
2,5-Dinitrotoluene	1720	200	ug/kg wet	2000		86.0	62-124			
2,6-Dinitrotoluene	1810	200	ug/kg wet	2000		90.5	74.6-116			
2-Amino-4,6-dinitrotoluene	1710	200	ug/kg wet	2000		85.4	65.9-110			
2-Nitrotoluene	1980	200	ug/kg wet	2000		98.9	76.3-114			
3,4-Dinitrotoluene	1610	200	ug/kg wet	2026		79.5	68.2-117			
3,5-Dinitroaniline	1700	200	ug/kg wet	2000		84.8	61.6-115			
3,5-Dinitrotoluene	1740	200	ug/kg wet	2000		87.2	70.5-120			
3-Nitrotoluene	1950	200	ug/kg wet	2000		97.7	77.4-113			
4-Amino-2,6-dinitrotoluene	1700	200	ug/kg wet	2000		84.9	57.5-113			
4-Nitrotoluene	1910	200	ug/kg wet	2000		95.7	74.8-112			
Nitrobenzene	1880	200	ug/kg wet	2000		94.0	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1700</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>85.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1960</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>97.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A908217-MS1)

Source: A193321-20

Prepared: 08/27/2019 Analyzed: 08/30/2019 19:15

1,2-Dimethyl-3,4-Dinitrobenzene	1970	200	ug/kg dry	2081	ND	94.7	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1950	200	ug/kg dry	2042	ND	95.6	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg dry	2042	ND	92.9	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	2210	200	ug/kg dry	2044	ND	108	58.4-113			
1,3,5-Trinitrobenzene	1690	200	ug/kg dry	2042	ND	83.0	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	2080	200	ug/kg dry	2042	ND	102	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg dry	2042	ND	95.2	70.7-112			
1,3-Dinitrobenzene	2100	200	ug/kg dry	2042	ND	103	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1930	200	ug/kg dry	2126	ND	90.8	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg dry	2140	ND	89.9	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1980	200	ug/kg dry	2110	ND	93.8	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1990	200	ug/kg dry	2042	ND	97.6	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1990	200	ug/kg dry	2101	ND	94.8	58-113			
2,3-Dinitrotoluene	2080	200	ug/kg dry	2042	ND	102	61.1-127			
2,4,6-Trinitrotoluene	3190	200	ug/kg dry	2042	557	129	38.8-138			
2,4-Dinitrotoluene	1860	200	ug/kg dry	2042	ND	91.0	44.1-133			
2,5-Dinitrotoluene	2010	200	ug/kg dry	2042	ND	98.5	58.3-132			
2,6-Dinitrotoluene	2100	200	ug/kg dry	2042	ND	103	52.5-128			
2-Amino-4,6-dinitrotoluene	2270	200	ug/kg dry	2042	202	101	18-135			
2-Nitrotoluene	2220	200	ug/kg dry	2042	ND	109	73.9-113			
3,4-Dinitrotoluene	1890	200	ug/kg dry	2069	ND	91.5	52.8-120			
3,5-Dinitroaniline	2070	200	ug/kg dry	2042	ND	102	22.9-131			
3,5-Dinitrotoluene	1920	200	ug/kg dry	2042	ND	93.8	59.3-135			
3-Nitrotoluene	2140	200	ug/kg dry	2042	ND	105	73.6-116			
4-Amino-2,6-dinitrotoluene	2330	200	ug/kg dry	2042	230	103	10-144			
4-Nitrotoluene	2090	200	ug/kg dry	2042	ND	102	71.2-114			
Nitrobenzene	2040	200	ug/kg dry	2042	ND	99.7	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2180</i>		<i>ug/kg dry</i>	<i>2042</i>		<i>107</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2170</i>		<i>ug/kg dry</i>	<i>2042</i>		<i>106</i>	<i>65.1-116</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 A908217 - EPA 3570

##### Matrix Spike Dup (A908217-MSD1)

Source: A193321-20

Prepared: 08/27/2019 Analyzed: 08/30/2019 19:47

1,2-Dimethyl-3,4-Dinitrobenzene	1990	200	ug/kg dry	2081	ND	95.4	59.9-113	0.782	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1980	200	ug/kg dry	2042	ND	96.8	63.5-111	1.20	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1950	200	ug/kg dry	2042	ND	95.6	67.8-114	2.92	20	
1,2-Dimethyl-4,5-Dinitrobenzene	2230	200	ug/kg dry	2044	ND	109	58.4-113	1.01	20	
1,3,5-Trinitrobenzene	1760	200	ug/kg dry	2042	ND	86.2	12.3-150	3.85	20	
1,3-Dimethyl-2,4-Dinitrobenzene	2120	200	ug/kg dry	2042	ND	104	63.6-111	1.66	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg dry	2042	ND	95.1	70.7-112	0.0673	20	
1,3-Dinitrobenzene	2310	200	ug/kg dry	2042	ND	113	32.8-135	9.11	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1970	200	ug/kg dry	2126	ND	92.7	58.1-109	2.07	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1980	200	ug/kg dry	2140	ND	92.4	64.1-108	2.73	20	
1,4-Dimethyl-2,6-Dinitrobenzene	2030	200	ug/kg dry	2110	ND	96.4	64.3-107	2.72	20	
1,5-Dimethyl-2,3-Dinitrobenzene	2040	200	ug/kg dry	2042	ND	100	61.6-112	2.39	20	
1,5-Dimethyl-2,4-Dinitrobenzene	2040	200	ug/kg dry	2101	ND	97.3	58-113	2.58	20	
2,3-Dinitrotoluene	2120	200	ug/kg dry	2042	ND	104	61.1-127	1.66	20	
2,4,6-Trinitrotoluene	4100	200	ug/kg dry	2042	557	174	38.8-138	25.2	20	M, X
2,4-Dinitrotoluene	1910	200	ug/kg dry	2042	ND	93.6	44.1-133	2.81	20	
2,5-Dinitrotoluene	2080	200	ug/kg dry	2042	ND	102	58.3-132	3.58	20	
2,6-Dinitrotoluene	2140	200	ug/kg dry	2042	ND	105	52.5-128	2.04	20	
2-Amino-4,6-dinitrotoluene	2280	200	ug/kg dry	2042	202	102	18-135	0.413	20	
2-Nitrotoluene	2260	200	ug/kg dry	2042	ND	111	73.9-113	2.01	20	
3,4-Dinitrotoluene	1930	200	ug/kg dry	2069	ND	93.1	52.8-120	1.78	20	
3,5-Dinitroaniline	2080	200	ug/kg dry	2042	ND	102	22.9-131	0.0325	20	
3,5-Dinitrotoluene	1990	200	ug/kg dry	2042	ND	97.2	59.3-135	3.54	20	
3-Nitrotoluene	2180	200	ug/kg dry	2042	ND	107	73.6-116	1.67	20	
4-Amino-2,6-dinitrotoluene	2400	200	ug/kg dry	2042	230	106	10-144	3.06	20	
4-Nitrotoluene	2110	200	ug/kg dry	2042	ND	103	71.2-114	1.26	20	
Nitrobenzene	2060	200	ug/kg dry	2042	ND	101	72.5-112	1.23	20	
Surrogate: 2,2'-Dinitrobiphenyl	2190		ug/kg dry	2042		107	11.5-161			
Surrogate: Nitrobenzene-d5	2190		ug/kg dry	2042		107	65.1-116			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908223 - EPA 3570

##### Blank (A908223-BLK1)

Prepared: 08/28/2019 Analyzed: 08/30/2019 05:10

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'-Dinitrophenyl	1090		ug/kg wet	2000		54.3	11.5-161			
Surrogate: Nitrobenzene-d5	1990		ug/kg wet	2000		99.4	65.1-116			

##### LCS (A908223-BS1)

Prepared: 08/28/2019 Analyzed: 08/30/2019 04:38

1,2-Dimethyl-3,4-Dinitrobenzene	2000	200	ug/kg wet	2038		98.1	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1940	200	ug/kg wet	2000		97.1	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg wet	2000		94.9	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	2120	200	ug/kg wet	2002		106	68.8-113			
1,3,5-Trinitrobenzene	1910	200	ug/kg wet	2000		95.4	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	2080	200	ug/kg wet	2000		104	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg wet	2000		95.8	75-113			
1,3-Dinitrobenzene	2140	200	ug/kg wet	2000		107	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1960	200	ug/kg wet	2082		94.0	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1900	200	ug/kg wet	2096		90.8	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1970	200	ug/kg wet	2066		95.6	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	2020	200	ug/kg wet	2000		101	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1980	200	ug/kg wet	2058		96.4	70.2-109			
2,3-Dinitrotoluene	2220	200	ug/kg wet	2000		111	64.2-125			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908223 - EPA 3570

##### LCS (A908223-BS1)

Prepared: 08/28/2019 Analyzed: 08/30/2019 04:38

2,4,6-Trinitrotoluene	2110	200	ug/kg wet	2000		105	57.1-139			
2,4-Dinitrotoluene	1790	200	ug/kg wet	2000		89.6	67.4-120			
2,5-Dinitrotoluene	2020	200	ug/kg wet	2000		101	62-124			
2,6-Dinitrotoluene	2090	200	ug/kg wet	2000		105	74.6-116			
2-Amino-4,6-dinitrotoluene	2130	200	ug/kg wet	2000		107	65.9-110			
2-Nitrotoluene	2180	200	ug/kg wet	2000		109	76.3-114			
3,4-Dinitrotoluene	1920	200	ug/kg wet	2026		95.0	68.2-117			
3,5-Dinitroaniline	2150	200	ug/kg wet	2000		108	61.6-115			
3,5-Dinitrotoluene	1970	200	ug/kg wet	2000		98.3	70.5-120			
3-Nitrotoluene	2090	200	ug/kg wet	2000		104	77.4-113			
4-Amino-2,6-dinitrotoluene	2260	200	ug/kg wet	2000		113	57.5-113			
4-Nitrotoluene	2040	200	ug/kg wet	2000		102	74.8-112			
Nitrobenzene	1990	200	ug/kg wet	2000		99.7	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	2230		<i>ug/kg wet</i>	2000		112	11.5-161			
<i>Surrogate: Nitrobenzene-d5</i>	2090		<i>ug/kg wet</i>	2000		105	65.1-116			

##### Matrix Spike (A908223-MS1)

Source: A193321-40

Prepared: 08/28/2019 Analyzed: 08/30/2019 03:35

1,2-Dimethyl-3,4-Dinitrobenzene	1690	200	ug/kg dry	2064	ND	81.8	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1750	200	ug/kg dry	2025	ND	86.3	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1730	200	ug/kg dry	2025	ND	85.4	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1970	200	ug/kg dry	2027	ND	97.0	58.4-113			
1,3,5-Trinitrobenzene	1400	200	ug/kg dry	2025	ND	68.9	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1910	200	ug/kg dry	2025	ND	94.5	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1810	200	ug/kg dry	2025	ND	89.2	70.7-112			
1,3-Dinitrobenzene	1670	200	ug/kg dry	2025	ND	82.4	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg dry	2108	ND	80.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1780	200	ug/kg dry	2122	ND	83.8	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1840	200	ug/kg dry	2092	ND	87.7	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1720	200	ug/kg dry	2025	ND	84.8	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2084	ND	85.9	58-113			
2,3-Dinitrotoluene	1790	200	ug/kg dry	2025	ND	88.2	61.1-127			
2,4,6-Trinitrotoluene	52900	4100	ug/kg dry	2025	44200	432	38.8-138			MI, D
2,4-Dinitrotoluene	1610	200	ug/kg dry	2025	142	72.5	44.1-133			
2,5-Dinitrotoluene	1730	200	ug/kg dry	2025	ND	85.3	58.3-132			
2,6-Dinitrotoluene	1800	200	ug/kg dry	2025	ND	89.0	52.5-128			
2-Amino-4,6-dinitrotoluene	1860	200	ug/kg dry	2025	479	68.4	18-135			
2-Nitrotoluene	2070	200	ug/kg dry	2025	ND	102	73.9-113			
3,4-Dinitrotoluene	1540	200	ug/kg dry	2051	ND	75.3	52.8-120			
3,5-Dinitroaniline	1620	200	ug/kg dry	2025	ND	80.2	22.9-131			
3,5-Dinitrotoluene	1780	200	ug/kg dry	2025	ND	87.7	59.3-135			
3-Nitrotoluene	2040	200	ug/kg dry	2025	ND	101	73.6-116			
4-Amino-2,6-dinitrotoluene	2190	200	ug/kg dry	2025	582	79.4	10-144			
4-Nitrotoluene	1960	200	ug/kg dry	2025	ND	97.0	71.2-114			
Nitrobenzene	1890	200	ug/kg dry	2025	ND	93.1	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	1700		<i>ug/kg dry</i>	2025		84.0	11.5-161			
<i>Surrogate: Nitrobenzene-d5</i>	1930		<i>ug/kg dry</i>	2025		95.2	65.1-116			

AECOM  
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Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908223 - EPA 3570

##### Matrix Spike Dup (A908223-MSD1)

Source: A193321-40

Prepared: 08/28/2019 Analyzed: 08/30/2019 04:07

1,2-Dimethyl-3,4-Dinitrobenzene	1530	200	ug/kg dry	2064	ND	74.0	59.9-113	9.91	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1610	200	ug/kg dry	2025	ND	79.5	63.5-111	8.18	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1590	200	ug/kg dry	2025	ND	78.5	67.8-114	8.36	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1800	200	ug/kg dry	2027	ND	89.0	58.4-113	8.58	20	
1,3,5-Trinitrobenzene	1310	200	ug/kg dry	2025	ND	64.5	12.3-150	6.65	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg dry	2025	ND	87.9	63.6-111	7.19	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1680	200	ug/kg dry	2025	ND	83.0	70.7-112	7.22	20	
1,3-Dinitrobenzene	1660	200	ug/kg dry	2025	ND	82.2	32.8-135	0.287	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1540	200	ug/kg dry	2108	ND	72.8	58.1-109	10.3	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1670	200	ug/kg dry	2122	ND	78.8	64.1-108	6.07	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1700	200	ug/kg dry	2092	ND	81.5	64.3-107	7.43	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1600	200	ug/kg dry	2025	ND	78.9	61.6-112	7.14	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1640	200	ug/kg dry	2084	ND	78.9	58-113	8.50	20	
2,3-Dinitrotoluene	1600	200	ug/kg dry	2025	ND	79.0	61.1-127	11.1	20	
2,4,6-Trinitrotoluene	48000	4100	ug/kg dry	2025	44200	188	38.8-138	9.79	20	M1, D
2,4-Dinitrotoluene	1530	200	ug/kg dry	2025	142	68.5	44.1-133	5.16	20	
2,5-Dinitrotoluene	1650	200	ug/kg dry	2025	ND	81.5	58.3-132	4.62	20	
2,6-Dinitrotoluene	1690	200	ug/kg dry	2025	ND	83.4	52.5-128	6.52	20	
2-Amino-4,6-dinitrotoluene	1690	200	ug/kg dry	2025	479	59.6	18-135	9.96	20	
2-Nitrotoluene	2000	200	ug/kg dry	2025	ND	98.6	73.9-113	3.47	20	
3,4-Dinitrotoluene	1420	200	ug/kg dry	2051	ND	69.2	52.8-120	8.50	20	
3,5-Dinitroaniline	1430	200	ug/kg dry	2025	ND	70.8	22.9-131	12.4	20	
3,5-Dinitrotoluene	1640	200	ug/kg dry	2025	ND	80.9	59.3-135	8.15	20	
3-Nitrotoluene	1970	200	ug/kg dry	2025	ND	97.3	73.6-116	3.59	20	
4-Amino-2,6-dinitrotoluene	1990	200	ug/kg dry	2025	582	69.5	10-144	9.58	20	
4-Nitrotoluene	1890	200	ug/kg dry	2025	ND	93.2	71.2-114	3.95	20	
Nitrobenzene	1810	200	ug/kg dry	2025	ND	89.6	72.5-112	3.86	20	
Surrogate: 2,2'-Dinitrobiphenyl	1510		ug/kg dry	2025		74.6	11.5-161			
Surrogate: Nitrobenzene-d5	1890		ug/kg dry	2025		93.3	65.1-116			



2525 Advance Road  
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A908194 - % Solids**

<b>Duplicate (A908194-DUP1)</b>		<b>Source: A193321-01</b>		Prepared: 08/20/2019 Analyzed: 08/21/2019 09:08						
% Solids	99.3	0.00	% by Weight		99.1			0.145	20	

**Batch A908196 - % Solids**

<b>Duplicate (A908196-DUP1)</b>		<b>Source: A193321-21</b>		Prepared: 08/21/2019 Analyzed: 08/22/2019 09:51						
% Solids	98.6	0.00	% by Weight		98.6			0.0149	20	

**Batch A908204 - % Solids**

<b>Duplicate (A908204-DUP1)</b>		<b>Source: A193321-41</b>		Prepared: 08/22/2019 Analyzed: 08/23/2019 08:25						
% Solids	98.3	0.00	% by Weight		98.3			0.0105	20	



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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.
- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 8444

Page: ~~X~~ 1 of: 6

Project Number: <u>508001/60505619</u> PO Number:				Lab Work Order #: <u>A193321</u>				Report To: <u>SITARAN NORDSTROM</u>																	
Project Name: <u>SITE INVESTIGATION - PAT</u>				Preservation Codes				Company: <u>AECOM</u>																	
Project Location (City, State): <u>BARRISDALE, WI</u>				Analyses Requested: <u>A</u>				Address 1:																	
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				Matrix: <u>NNDCS</u> Total # of Containers: <u>10</u>				Address 2:																	
If Rush, Report Due Date:								E-mail Address:																	
Sampled By (Print): <u>DESMOND NIELSEN</u>								Invoice To:																	
								Company:																	
								Address 1:																	
								Address 2:																	
Sample Description		Collection Date      Time		Matrix <u>NNDCS</u>	Total # of Containers <u>10</u>	<u>X</u>						Comments	Lab ID	Lab Receipt Time											
<u>SIT6-190814-04N (0-8')</u>		<u>8/14/19</u>	<u>0900</u>												<u>S</u>	<u>1</u>	<u>X</u>							<u>01</u>	
<u>SIT6-190814-04S (0-8')</u>			<u>0902</u>													<u>1</u>	<u>X</u>							<u>02</u>	
<u>SIT6-190814-04W (0-8')</u>			<u>0904</u>													<u>1</u>	<u>X</u>							<u>03</u>	
<u>SIT6-190814-05C (8-8.5')</u>			<u>0906</u>													<u>1</u>	<u>X</u>							<u>04</u>	
<u>SIT6-190814-05N (0-8')</u>			<u>0908</u>													<u>1</u>	<u>X</u>							<u>05</u>	
<u>SIT6-190814-06S (0-8')</u>			<u>0910</u>													<u>1</u>	<u>X</u>							<u>06</u>	
<u>SIT6-190814-06C (8-8.5')</u>			<u>0912</u>													<u>1</u>	<u>X</u>							<u>07</u>	
<u>SIT6-190814-07N (0-4')</u>			<u>0914</u>													<u>1</u>	<u>X</u>							<u>08</u>	
<u>SIT6-190814-07C (4-4.5')</u>			<u>0916</u>													<u>1</u>	<u>X</u>							<u>09</u>	
<u>SIT6-190814-07S (0-4')</u>		<u>√</u>	<u>0918</u>	<u>√</u>	<u>1</u>	<u>X</u>					<u>1 id vials 0-4 label 0-8</u>		<u>10</u>												
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b> <u>FedEx</u> <u>7759 9029 1272</u>		Relinquished By: <u>[Signature]</u>		Date: <u>8/15/19</u>		Time: <u>1200</u>		Received By: <u>Kari Antylla</u>		Date: <u>8/16/19</u>		Time: <u>0952</u>											
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				Relinquished By:		Date:		Time:		Received By:		Date:		Time:											
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: <u>FedEx</u>		Receipt Temp: <u>1.40C</u>		Thermometer #/ Exp. Date: <u>160142274 12/20/18</u>		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N															

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 Madison, WI 53718  
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 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 8442

Page: 3 of 6



Project Number: <u>508001/60505619</u> PO Number:		Preservation Codes		Report To: <u>SHARON NOTASTRAN</u>	
Project Name: <u>SITE INVESTIGATION</u>		Analyses Requested		Company: <u>ACCOM</u>	
Project Location (City, State): <u>BARKSDALE, WI</u>		Address 1:		Address 2:	
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Address 1:		E-mail Address:	
If Rush, Report Due Date:		Address 2:		Invoice To:	
Sampled By (Print): <u>DESMOND NIERSEN</u>		Company:		Company:	
		Address 1:		Address 1:	
		Address 2:		Address 2:	
		Comments		Lab ID	
				Lab Receipt Time	

Sample Description	Collection		Matrix	Total # of Containers	NNOCS															
	Date	Time																		
<u>SITE-190814-10S (0-4')</u>	<u>8/14/19</u>	<u>0940</u>	<u>S</u>	<u>1</u>	<u>X</u>														<u>21</u>	
<u>SITE-190814-10C (4-4.5')</u>		<u>0942</u>		<u>1</u>	<u>X</u>														<u>22</u>	
<u>SITE-190814-10X (0-4')</u>		<u>0944</u>		<u>1</u>	<u>X</u>														<u>23</u>	
<u>SITE-190814-11W (0-4')</u>		<u>0946</u>		<u>1</u>	<u>X</u>														<u>24</u>	
<u>SITE-190814-11E (0-4')</u>		<u>0948</u>		<u>1</u>	<u>X</u>														<u>25</u>	
<u>SITE-190814-11C (4-4.5')</u>		<u>0950</u>		<u>1</u>	<u>X</u>														<u>26</u>	
<u>SITE-190814-11X (0-4')</u>		<u>0952</u>		<u>1</u>	<u>X</u>														<u>27</u>	
<u>SITE-190814-12E (0-4')</u>		<u>0956</u> <u>0954(1/14)</u>		<u>1</u>	<u>X</u>														<u>28</u>	
<u>SITE-190814-12C (4-4.5')</u>		<u>0958</u> <u>0956(1/14)</u>		<u>1</u>	<u>X</u>														<u>29</u>	
<u>SITE-190814-12W (0-4')</u>	<u>✓</u>	<u>0959</u> <u>1000</u>	<u>✓</u>	<u>1</u>	<u>X</u>														<u>30</u>	

<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)	<b>Other Comments:</b> <u>FEDEx</u> <u>7759 9029 1272</u>	Relinquished By: <u>c</u> <u>Paul J...</u>	Date: <u>8/15/19</u>	Time: <u>1200</u>	Received By: <u>Kari Amyell</u>	Date: <u>8/16/19</u>	Time: <u>0952</u>
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via: <u>FedEx</u>	Receipt Temp: <u>1.4°C</u>	Thermometer #/ Exp. Date: <u>160142274 12/20/18</u>	Temp Blank: <u>Y</u> <input type="checkbox"/> N	

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**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)



# CHAIN OF CUSTODY

No. 8445

Page: 24 of 6

Lab Work Order #: **A193321**  
 Report To: *Sharon Nordstrom*  
 Company: *AERON*

Project Number: *508001/60505619* PO Number:  
 Project Name: *SITE INVESTIGATION*  
 Project Location (City, State): *BADSCDALE, WI*

Preservation Codes  
 Analyses Requested: **A**  
 Address 1:  
 Address 2:  
 E-mail Address:

Turn Around (check one):  Normal  Rush

Invoice To:

If Rush, Report Due Date:

Company:

Sampled By (Print): *DESMOND NIELSEN*

Address 1:

Address 2:

Sample Description	Collection		Matrix	Total # of Containers	NNOCS							Comments	Lab ID	Lab Receipt Time
	Date	Time												
<i>SIT6-190814-12P (5.5-6')</i>	<i>8/14/19</i>	<i>1002</i>	<i>S</i>	<i>1</i>	<i>X</i>								<i>31</i>	
<i>SIT6-190814-12X (0-4')</i>		<i>0954</i>		<i>1</i>	<i>X</i>								<i>32</i>	
<i>SIT6-190814-13W (0-4')</i>		<i>1004</i>		<i>1</i>	<i>X</i>								<i>33</i>	
<i>SIT6-190814-13E (0-4')</i>		<i>1006</i>		<i>1</i>	<i>X</i>								<i>34</i>	
<i>SIT6-190814-13C (4-4.5')</i>		<i>1008</i>		<i>1</i>	<i>X</i>								<i>35</i>	
<i>SIT6-190814-13X (0-4')</i>		<i>1010</i>		<i>1</i>	<i>X</i>								<i>36</i>	
<i>SIT6-190814-14W (0-4')</i>		<i>1012</i>		<i>1</i>	<i>X</i>								<i>37</i>	
<i>SIT6-190814-14P (5.5-6')</i>		<i>1014</i>		<i>1</i>	<i>X</i>								<i>38</i>	
<i>SIT6-190814-14C (4-4.5')</i>		<i>1016</i>		<i>1</i>	<i>X</i>								<i>39</i>	
<i>SIT6-190814-14E (0-4')</i>		<i>1018</i>		<i>1</i>	<i>X</i>								<i>40</i>	

**Preservation Codes**  
 A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub>  
 D=HNO<sub>3</sub> E=EnCore F=Methanol  
 G=NaOH O=Other (Indicate)

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

**Other Comments:**  
*FEDER*  
*7759 9029 1272*

Relinquished By: *Desmond Nielsen*  
 Date: *8/15/19* Time: *1200*

Received By: *Kari A Hill*  
 Date: *8/16/19* Time: *0952*

Relinquished By:  
 Date: Time:

Received By:  
 Date: Time:

Custody Seal:  
 NA  Intact  Not Intact

Shipped Via: *FedEx*

Receipt Temp: *1.4°C*

Thermometer #/ Exp. Date: *160142274 12/20/19*

Temp Blank:  Y  N

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**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
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 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 09384

Page: 85 of 6

Project Number: <u>SOB001/60505619</u> PO Number:		Lab Work Order #: <u>A 193321</u>		Report To: <u>SHARON NORDSTROM</u>																																									
Project Name: <u>SITE INVESTIGATION</u>		Preservation Codes		Company: <u>AECOM</u>																																									
Project Location (City, State): <u>BARKSDALE, WI</u>		Analyses Requested		Address 1:																																									
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		<table border="1" style="width:100%; text-align: center;"> <tr> <td style="width:5%;">A</td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">N</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">M</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">O</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">C</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> </tr> </table>		A																				Matrix	Total # of Containers	N	M	S	O	C	S	S	S	S	S	S	S	S	S	S	S	S	S	Address 2:	
A																																													
Matrix	Total # of Containers	N	M	S	O	C	S	S	S	S	S	S	S	S	S	S	S	S	S																										
If Rush, Report Due Date:		<table border="1" style="width:100%; text-align: center;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">N</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">M</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">O</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">C</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">S</td> </tr> </table>		Matrix	Total # of Containers	N	M	S	O	C	S	S	S	S	S	S	S	S	S	S	S	S	S	E-mail Address:																					
Matrix	Total # of Containers			N	M	S	O	C	S	S	S	S	S	S	S	S	S	S	S	S	S																								
Sampled By (Print): <u>DESMOND NIELSEN</u>		Invoice To:		Company:																																									
Sample Description		Collection		Address 1:																																									
		Date	Time	Address 2:																																									
SITG-190814-14X (0-4')		8/14/19	1020	S	1	X	Comments		Lab ID	Lab Receipt Time																																			
SITG-190814-15N (2-4)			1022		1	X			41																																				
SITG-190814-15W (0-4')			1024		1	X			42																																				
SITG-190814-15C (4-4.5')			1026		1	X			43																																				
SITG-190814-15E (0-4')			1028		1	X			44																																				
SITG-190814-15X (0-4')			1030		1	X			45																																				
SITG-190814-04N-D (0-8')			0900		1	X			46																																				
SITG-190814-07C-D (4-4.5')			0916		1	X			47																																				
SITG-190814-14C-D (4-4.5')			1016		1	X			48																																				
									49																																				
									-																																				
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> <u>FedEx</u> <u>7759 9029 1272</u>		Relinquished By: <u>Desmond Nielsen</u> Date: <u>08/15/19</u>		Received By: <u>Kari-An Kille</u> Date: <u>8/16/19</u>		Time: <u>1200</u> Time: <u>0952</u>		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>FedEx</u> Receipt Temp: <u>1.40C</u> Thermometer # Exp. Date: <u>160142274 12/20/19</u>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																															

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**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 09385

Page: 6 of 6

Project Number: <u>50801/60506619</u> PO Number:				Lab Work Order #: <u>A193321</u>				Report To: <u>SHARON NORDSTROM</u>			
Project Name: <u>SITE INVESTIGATION - PAJ</u>				Preservation Codes				Company: <u>AECOM</u>			
Project Location (City, State): <u>BARKSDALE, WI</u>				Analyses Requested				Address 1:			
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				A				Address 2:			
If Rush, Report Due Date:								E-mail Address:			
Sampled By (Print): <u>DESMOND NIELSEN</u>				Matrix				Invoice To:			
								Company:			
Sample Description				Collection Date Time		Matrix		Total # of Containers		Address 1:	
										Address 2:	
						NNOCs		Comments		Lab ID	Lab Receipt Time
<u>SIGP - 190812-PAJ-68 (0-2')</u>				<u>8/12/19 1625</u>				<u>S 1</u>			
<u>SIGP - 190812-PAJ-68 (2-4')</u>				<u>8/12/19 1640</u>		<u>S 1</u>				<u>51</u>	
<u>SIGP - 190813-PAJ-69 (0-2')</u>				<u>8/13/19 1436</u>		<u>S 1</u>				<u>52</u>	
<u>SIGP - 190813-PAJ-69 (2-4')</u>				↓		<u>S 1</u>				<u>53</u>	
<u>SIGP - 190813-PAJ-70 (0-2')</u>				↓		<u>S 1</u>				<u>54</u>	
<u>SIGP - 190813-PAJ-70 (2-4')</u>				↓		<u>S 1</u>				<u>55</u>	
<u>SIGP - 190815-PAJ-72 (0-2')</u>				<u>8/15/19 0830</u>		<u>S 1</u>				<u>56</u>	
<u>SIGP - 190815-PAJ-72 (2-4')</u>				↓		<u>S 1</u>				<u>57</u>	
										<u>-</u>	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b>  <u>FedEx</u>  <u>7759 9029 1272</u>		Relinquished By: <u>Desmond Nielsen</u> Relinquished By:		Date: <u>8/15/19</u> Time: <u>1200</u> Date: Time:		Received By: <u>Kari-Anne Gillin</u> Received By:		Date: <u>8/16/19</u> Time: <u>0952</u> Date: Time:	
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>FedEx</u>		Receipt Temp: <u>1.4°C</u>		Thermometer #/ Exp. Date: <u>160142274 12/30/19</u> Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

Page 78 of 78 A193321 FINAL 09 03 2019 1527



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

September 03, 2019

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 08/27/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190826-005X	A193506-01	Soil	08/26/2019	08/27/2019
SITG-190826-007X	A193506-02	Soil	08/26/2019	08/27/2019
SITG-190826-006X	A193506-03	Soil	08/26/2019	08/27/2019

**CASE NARRATIVE**

**Sample Receipt Information:**

3 samples were received on 08/27/2019. Samples were received at 4.1 degrees Celsius. Samples were received in acceptable condition.

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



2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190826-005X**

Date Sampled  
**08/26/2019 08:10**

**A193506-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	-----------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Explosive Compounds by EPA Method 8270**

**Preparation Batch: A908224**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1200</b>	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 17:33	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	69.1 %	11.5-161		08/28/2019	08/28/2019 17:33	EPA 8270D
Surrogate: Nitrobenzene-d5	98.5 %	65.1-116		08/28/2019	08/28/2019 17:33	EPA 8270D

**Classical Chemistry Parameters**

**Preparation Batch: A908222**

<b>% Solids</b>	<b>97.4</b>	0.00	% by Weight	1	08/28/2019	08/29/2019 07:57	SM 2540B
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190826-007X**

Date Sampled

**A193506-02 (Soil)**

**08/26/2019 08:12**

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: A908224**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1300</b>	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>360</b>	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>610</b>	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	08/28/2019	08/28/2019 18:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		117 %	11.5-161		08/28/2019	08/28/2019 18:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.9 %	65.1-116		08/28/2019	08/28/2019 18:04	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908222**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	08/28/2019	08/29/2019 07:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190826-006X**

Date Sampled

**A193506-03 (Soil)**

**08/26/2019 08:16**

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: A908224**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 23:18	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>34000</b>	2000	ug/kg dry	10	08/28/2019	08/28/2019 23:18	EPA 8270D	M1, D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>600</b>	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>690</b>	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	08/28/2019	08/28/2019 18:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		119 %	11.5-161		08/28/2019	08/28/2019 18:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		104 %	65.1-116		08/28/2019	08/28/2019 18:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A908222**

<b>% Solids</b>	<b>97.6</b>	0.00	% by Weight	1	08/28/2019	08/29/2019 07:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908224 - EPA 3570

##### Blank (A908224-BLK1)

Prepared: 08/28/2019 Analyzed: 08/28/2019 17:02

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

1060 ug/kg wet

2000

52.8

11.5-161

Surrogate: Nitrobenzene-d5

2090 ug/kg wet

2000

105

65.1-116

##### LCS (A908224-BS1)

Prepared: 08/28/2019 Analyzed: 08/28/2019 16:31

1,2-Dimethyl-3,4-Dinitrobenzene	2000	200	ug/kg wet	2038	98.1	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1910	200	ug/kg wet	2000	95.6	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1950	200	ug/kg wet	2000	97.4	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1990	200	ug/kg wet	2002	99.2	68.8-113
1,3,5-Trinitrobenzene	1880	200	ug/kg wet	2000	94.0	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	2040	200	ug/kg wet	2000	102	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1970	200	ug/kg wet	2000	98.6	75-113
1,3-Dinitrobenzene	2060	200	ug/kg wet	2000	103	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1990	200	ug/kg wet	2082	95.8	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2096	92.3	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1980	200	ug/kg wet	2066	96.0	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1970	200	ug/kg wet	2000	98.6	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1940	200	ug/kg wet	2058	94.2	70.2-109
2,3-Dinitrotoluene	1990	200	ug/kg wet	2000	99.5	64.2-125

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908224 - EPA 3570

##### LCS (A908224-BS1)

Prepared: 08/28/2019 Analyzed: 08/28/2019 16:31

2,4,6-Trinitrotoluene	2050	200	ug/kg wet	2000		102	57.1-139			
2,4-Dinitrotoluene	2000	200	ug/kg wet	2000		99.8	67.4-120			
2,5-Dinitrotoluene	1960	200	ug/kg wet	2000		98.0	62-124			
2,6-Dinitrotoluene	2070	200	ug/kg wet	2000		104	74.6-116			
2-Amino-4,6-dinitrotoluene	2020	200	ug/kg wet	2000		101	65.9-110			
2-Nitrotoluene	2130	200	ug/kg wet	2000		106	76.3-114			
3,4-Dinitrotoluene	1930	200	ug/kg wet	2026		95.2	68.2-117			
3,5-Dinitroaniline	1920	200	ug/kg wet	2000		96.0	61.6-115			
3,5-Dinitrotoluene	1960	200	ug/kg wet	2000		98.0	70.5-120			
3-Nitrotoluene	2040	200	ug/kg wet	2000		102	77.4-113			
4-Amino-2,6-dinitrotoluene	2100	200	ug/kg wet	2000		105	57.5-113			
4-Nitrotoluene	2000	200	ug/kg wet	2000		99.8	74.8-112			
Nitrobenzene	2000	200	ug/kg wet	2000		100	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2110</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>106</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2070</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>103</i>	<i>65.1-116</i>			

##### Matrix Spike (A908224-MS1)

Source: A193506-03

Prepared: 08/28/2019 Analyzed: 08/28/2019 15:28

1,2-Dimethyl-3,4-Dinitrobenzene	1910	200	ug/kg dry	2088	ND	91.6	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1820	200	ug/kg dry	2049	ND	88.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	2000	200	ug/kg dry	2049	ND	97.5	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	2110	200	ug/kg dry	2051	ND	103	58.4-113			
1,3,5-Trinitrobenzene	1800	200	ug/kg dry	2049	ND	88.1	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	2080	200	ug/kg dry	2049	ND	102	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	2010	200	ug/kg dry	2049	ND	97.9	70.7-112			
1,3-Dinitrobenzene	1760	200	ug/kg dry	2049	ND	85.9	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	2000	200	ug/kg dry	2133	ND	93.9	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	2000	200	ug/kg dry	2148	ND	93.0	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	2040	200	ug/kg dry	2117	ND	96.4	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg dry	2049	ND	90.9	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1990	200	ug/kg dry	2109	ND	94.5	58-113			
2,3-Dinitrotoluene	1920	200	ug/kg dry	2049	ND	93.6	61.1-127			
2,4,6-Trinitrotoluene	60400	2000	ug/kg dry	2049	33800	NR	38.8-138			MI, D
2,4-Dinitrotoluene	1990	200	ug/kg dry	2049	144	90.1	44.1-133			
2,5-Dinitrotoluene	2030	200	ug/kg dry	2049	ND	99.1	58.3-132			
2,6-Dinitrotoluene	1970	200	ug/kg dry	2049	ND	96.1	52.5-128			
2-Amino-4,6-dinitrotoluene	2410	200	ug/kg dry	2049	596	88.5	18-135			
2-Nitrotoluene	2050	200	ug/kg dry	2049	ND	100	73.9-113			
3,4-Dinitrotoluene	1890	200	ug/kg dry	2076	ND	90.9	52.8-120			
3,5-Dinitroaniline	1910	200	ug/kg dry	2049	ND	93.3	22.9-131			
3,5-Dinitrotoluene	1950	200	ug/kg dry	2049	ND	95.4	59.3-135			
3-Nitrotoluene	2000	200	ug/kg dry	2049	ND	97.7	73.6-116			
4-Amino-2,6-dinitrotoluene	2870	200	ug/kg dry	2049	687	107	10-144			
4-Nitrotoluene	1980	200	ug/kg dry	2049	ND	96.7	71.2-114			
Nitrobenzene	1960	200	ug/kg dry	2049	ND	95.8	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2430</i>		<i>ug/kg dry</i>	<i>2049</i>		<i>119</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1900</i>		<i>ug/kg dry</i>	<i>2049</i>		<i>92.8</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A908224 - EPA 3570

##### Matrix Spike Dup (A908224-MSD1)

Source: A193506-03

Prepared: 08/28/2019 Analyzed: 08/28/2019 15:59

1,2-Dimethyl-3,4-Dinitrobenzene	1980	200	ug/kg dry	2088	ND	94.8	59.9-113	3.49	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1920	200	ug/kg dry	2049	ND	93.9	63.5-111	5.45	20	
1,2-Dimethyl-3,6-Dinitrobenzene	2090	200	ug/kg dry	2049	ND	102	67.8-114	4.42	20	
1,2-Dimethyl-4,5-Dinitrobenzene	2230	200	ug/kg dry	2051	ND	109	58.4-113	5.17	20	
1,3,5-Trinitrobenzene	1960	200	ug/kg dry	2049	ND	95.7	12.3-150	8.26	20	
1,3-Dimethyl-2,4-Dinitrobenzene	2180	200	ug/kg dry	2049	ND	106	63.6-111	4.47	20	
1,3-Dimethyl-2,5-Dinitrobenzene	2080	200	ug/kg dry	2049	ND	101	70.7-112	3.45	20	
1,3-Dinitrobenzene	2050	200	ug/kg dry	2049	ND	100	32.8-135	15.3	20	
1,4-Dimethyl-2,3-Dinitrobenzene	2080	200	ug/kg dry	2133	ND	97.3	58.1-109	3.62	20	
1,4-Dimethyl-2,5-Dinitrobenzene	2080	200	ug/kg dry	2148	ND	97.1	64.1-108	4.27	20	
1,4-Dimethyl-2,6-Dinitrobenzene	2120	200	ug/kg dry	2117	ND	100	64.3-107	3.83	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1970	200	ug/kg dry	2049	ND	96.1	61.6-112	5.58	20	
1,5-Dimethyl-2,4-Dinitrobenzene	2090	200	ug/kg dry	2109	ND	99.1	58-113	4.73	20	
2,3-Dinitrotoluene	2050	200	ug/kg dry	2049	ND	99.9	61.1-127	6.51	20	
2,4,6-Trinitrotoluene	47600	2000	ug/kg dry	2049	33800	676	38.8-138	23.6	20	M1, D
2,4-Dinitrotoluene	2080	200	ug/kg dry	2049	144	94.6	44.1-133	4.55	20	
2,5-Dinitrotoluene	2200	200	ug/kg dry	2049	ND	107	58.3-132	7.92	20	
2,6-Dinitrotoluene	2110	200	ug/kg dry	2049	ND	103	52.5-128	7.07	20	
2-Amino-4,6-dinitrotoluene	2480	200	ug/kg dry	2049	596	91.8	18-135	2.74	20	
2-Nitrotoluene	2220	200	ug/kg dry	2049	ND	109	73.9-113	8.22	20	
3,4-Dinitrotoluene	1970	200	ug/kg dry	2076	ND	94.7	52.8-120	4.12	20	
3,5-Dinitroaniline	1940	200	ug/kg dry	2049	ND	94.4	22.9-131	1.21	20	
3,5-Dinitrotoluene	2090	200	ug/kg dry	2049	ND	102	59.3-135	6.48	20	
3-Nitrotoluene	2120	200	ug/kg dry	2049	ND	103	73.6-116	5.71	20	
4-Amino-2,6-dinitrotoluene	2900	200	ug/kg dry	2049	687	108	10-144	0.834	20	
4-Nitrotoluene	2060	200	ug/kg dry	2049	ND	101	71.2-114	4.13	20	
Nitrobenzene	2060	200	ug/kg dry	2049	ND	101	72.5-112	5.00	20	
Surrogate: 2,2'-Dinitrobiphenyl	2470		ug/kg dry	2049		121	11.5-161			
Surrogate: Nitrobenzene-d5	2120		ug/kg dry	2049		103	65.1-116			

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A908222 - % Solids**

<b>Duplicate (A908222-DUP1)</b>	<b>Source: A193506-01</b>		Prepared: 08/28/2019 Analyzed: 08/29/2019 07:57							
% Solids	97.5	0.00	% by Weight		97.4			0.0613	20	



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

### Notes and Definitions

- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 09494

Page: 1 of 1

Project Number: 504001/60505614 PO Number:				Lab Work Order #: <b>A193506</b>				Report To: <i>Sharon Nordstrom</i>																							
Project Name: <b>SITE INVESTIGATION</b>				Preservation Codes				Company: <b>AELCOM</b>																							
Project Location (City, State): <b>Barkdale, WI</b>				Analyses Requested				Address 1:																							
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20px;">A</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">NNOLS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				A										Matrix	Total # of Containers	NNOLS								Address 2:			
A																															
Matrix	Total # of Containers	NNOLS																													
If Rush, Report Due Date: <b>Due 09-06-19 jg</b>								E-mail Address:																							
Sampled By (Print): <b>Dan Barton</b>								Invoice To:																							
								Company:																							
								Address 1:																							
								Address 2:																							
Sample Description		Collection		Matrix		Total # of Containers		Comments		Lab ID		Lab Receipt Time																			
SIT6-190826-005X		8/26/19 08:10		S		1		X				01																			
SIT6-190826-007X		8/26/19 04:12		S		1		X				02																			
SIT6-190826-006X		8/26/19 08:16		S		1		X				03																			
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				<b>Other Comments:</b> FedEx 7760 7446 6158				Relinquished By: <i>[Signature]</i> Date: 8/26/19 Time: 1200		Received By: <i>[Signature]</i> Date: 08-27-19 Time: 0900																					
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <b>FedEx</b>		Receipt Temp: <b>4.1°C</b>		Thermometer #/ Exp. Date: <b>1100142274 12-20-19</b>		Temp Blank: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N																			

Page 11 of 11 A193506 FINAL 09 03 2019 1117



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

September 24, 2019

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/ 11/2019.

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**

			<b>Expires</b>
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SIGP-190815-PAJ-73-0-2	A193711-01	Soil	08/15/2019	09/11/2019
SIGP-190815-PAJ-73-0-2-D	A193711-02	Soil	08/15/2019	09/11/2019
SIGP-190815-PAJ-73-2-4	A193711-03	Soil	08/15/2019	09/11/2019
SIGP-190816-PAJ-74-0-2	A193711-04	Soil	08/16/2019	09/11/2019
SIGP-190816-PAJ-74-2-4	A193711-05	Soil	08/16/2019	09/11/2019

**CASE NARRATIVE**

**Sample Receipt Information:**

5 samples were received on 09/11/2019. Samples were received at 3.5 degrees Celsius. 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: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190815-PAJ-73-0-2**

**A193711-01 (Soil)**

**Date Sampled**  
**08/15/2019 10:40**

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: A909201**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 20:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.4 %		11.5-161	09/23/2019	09/23/2019 20:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.6 %		65.1-116	09/23/2019	09/23/2019 20:37	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909188**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	09/18/2019	09/19/2019 08:29	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190815-PAJ-73-0-2-D**

**A193711-02 (Soil)**

**Date Sampled**

**08/15/2019 10:40**

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: A909201**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 21:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.6 %		11.5-161	09/23/2019	09/23/2019 21:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.1 %		65.1-116	09/23/2019	09/23/2019 21:08	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909188**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	09/18/2019	09/19/2019 08:29	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SIGP-190815-PAJ-73-2-4**

**A193711-03 (Soil)**

**Date Sampled**

**08/15/2019 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: A909201**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 21:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.1 %		11.5-161	09/23/2019	09/23/2019 21:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		100 %		65.1-116	09/23/2019	09/23/2019 21:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909188**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	09/18/2019	09/19/2019 08:29	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SIGP-190816-PAJ-74-0-2**

Date Sampled  
**08/16/2019 10:35**

**A193711-04 (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: A909201**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>470</b>	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 22:11	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.2 %		11.5-161	09/23/2019	09/23/2019 22:11	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %		65.1-116	09/23/2019	09/23/2019 22:11	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909188**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	09/18/2019	09/19/2019 08:29	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-190816-PAJ-74-2-4**

**A193711-05 (Soil)**

Date Sampled  
**08/16/2019 10:34**

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: A909201**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 22:42	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.2 %		11.5-161	09/23/2019	09/23/2019 22:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		103 %		65.1-116	09/23/2019	09/23/2019 22:42	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909188**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/18/2019	09/19/2019 08:29	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909201 - EPA 3570

##### Blank (A909201-BLK1)

Prepared: 09/23/2019 Analyzed: 09/23/2019 19:34

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

1020 ug/kg wet

1943

52.5 11.5-161

Surrogate: Nitrobenzene-d5

2010 ug/kg wet

2000

101 65.1-116

##### LCS (A909201-BS1)

Prepared: 09/23/2019 Analyzed: 09/23/2019 20:05

1,2-Dimethyl-3,4-Dinitrobenzene	1930	200	ug/kg wet	1996	96.6	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1820	200	ug/kg wet	2020	90.2	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1910	200	ug/kg wet	1999	95.3	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1920	200	ug/kg wet	2026	94.9	68.8-113
1,3,5-Trinitrobenzene	1680	200	ug/kg wet	2000	83.8	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg wet	2020	91.3	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2002	94.2	75-113
1,3-Dinitrobenzene	1670	200	ug/kg wet	2000	83.4	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2006	92.8	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg wet	2026	94.5	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.6	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg wet	2012	94.6	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	1966	92.9	70.2-109
2,3-Dinitrotoluene	1710	200	ug/kg wet	2000	85.5	64.2-125

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909201 - EPA 3570

##### LCS (A909201-BS1)

Prepared: 09/23/2019 Analyzed: 09/23/2019 20:05

2,4,6-Trinitrotoluene	1750	200	ug/kg wet	2000		87.7	57.1-139			
2,4-Dinitrotoluene	1990	200	ug/kg wet	2000		99.6	67.4-120			
2,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.3	62-124			
2,6-Dinitrotoluene	1830	200	ug/kg wet	2000		91.5	74.6-116			
2-Amino-4,6-dinitrotoluene	1560	200	ug/kg wet	2000		77.9	65.9-110			
2-Nitrotoluene	1950	200	ug/kg wet	2000		97.4	76.3-114			
3,4-Dinitrotoluene	1820	200	ug/kg wet	2000		91.0	68.2-117			
3,5-Dinitroaniline	1570	200	ug/kg wet	2000		78.7	61.6-115			
3,5-Dinitrotoluene	1900	200	ug/kg wet	2000		95.1	70.5-120			
3-Nitrotoluene	1930	200	ug/kg wet	2000		96.3	77.4-113			
4-Amino-2,6-dinitrotoluene	1620	200	ug/kg wet	2000		80.9	57.5-113			
4-Nitrotoluene	1960	200	ug/kg wet	2000		97.9	74.8-112			
Nitrobenzene	2000	200	ug/kg wet	2000		100	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1810</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>93.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1980</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>99.2</i>	<i>65.1-116</i>			

##### Matrix Spike (A909201-MS1)

Source: A193711-03

Prepared: 09/23/2019 Analyzed: 09/24/2019 00:16

1,2-Dimethyl-3,4-Dinitrobenzene	1940	210	ug/kg dry	2056	ND	94.1	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1860	210	ug/kg dry	2080	ND	89.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1960	210	ug/kg dry	2059	ND	95.0	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1970	210	ug/kg dry	2087	ND	94.2	58.4-113			
1,3,5-Trinitrobenzene	1590	210	ug/kg dry	2060	ND	77.1	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1930	210	ug/kg dry	2080	ND	92.8	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1980	210	ug/kg dry	2062	ND	95.8	70.7-112			
1,3-Dinitrobenzene	1710	210	ug/kg dry	2060	ND	82.8	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	210	ug/kg dry	2066	ND	89.6	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1950	210	ug/kg dry	2087	ND	93.5	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1950	210	ug/kg dry	2056	ND	95.0	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	210	ug/kg dry	2072	ND	92.8	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1870	210	ug/kg dry	2025	ND	92.3	58-113			
2,3-Dinitrotoluene	1930	210	ug/kg dry	2060	ND	93.8	61.1-127			
2,4,6-Trinitrotoluene	1800	210	ug/kg dry	2060	ND	87.3	38.8-138			
2,4-Dinitrotoluene	1810	210	ug/kg dry	2060	ND	87.9	44.1-133			
2,5-Dinitrotoluene	1860	210	ug/kg dry	2060	ND	90.2	58.3-132			
2,6-Dinitrotoluene	1880	210	ug/kg dry	2060	ND	91.2	52.5-128			
2-Amino-4,6-dinitrotoluene	1390	210	ug/kg dry	2060	ND	67.6	18-135			
2-Nitrotoluene	2040	210	ug/kg dry	2060	ND	99.1	73.9-113			
3,4-Dinitrotoluene	1810	210	ug/kg dry	2060	ND	87.8	52.8-120			
3,5-Dinitroaniline	1350	210	ug/kg dry	2060	ND	65.8	22.9-131			
3,5-Dinitrotoluene	1920	210	ug/kg dry	2060	ND	93.3	59.3-135			
3-Nitrotoluene	2030	210	ug/kg dry	2060	ND	98.4	73.6-116			
4-Amino-2,6-dinitrotoluene	1490	210	ug/kg dry	2060	ND	72.3	10-144			
4-Nitrotoluene	2050	210	ug/kg dry	2060	ND	99.6	71.2-114			
Nitrobenzene	2080	210	ug/kg dry	2060	ND	101	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1740</i>		<i>ug/kg dry</i>	<i>2001</i>		<i>86.8</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2040</i>		<i>ug/kg dry</i>	<i>2060</i>		<i>98.9</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909201 - EPA 3570

##### Matrix Spike Dup (A909201-MSD1)

Source: A193711-03

Prepared: 09/23/2019 Analyzed: 09/24/2019 00:47

1,2-Dimethyl-3,4-Dinitrobenzene	1920	210	ug/kg dry	2056	ND	93.3	59.9-113	0.910	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	210	ug/kg dry	2080	ND	88.7	63.5-111	0.899	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1970	210	ug/kg dry	2059	ND	95.5	67.8-114	0.520	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1940	210	ug/kg dry	2087	ND	92.9	58.4-113	1.37	20	
1,3,5-Trinitrobenzene	1610	210	ug/kg dry	2060	ND	78.1	12.3-150	1.22	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1940	210	ug/kg dry	2080	ND	93.1	63.6-111	0.308	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1960	210	ug/kg dry	2062	ND	95.2	70.7-112	0.647	20	
1,3-Dinitrobenzene	1730	210	ug/kg dry	2060	ND	84.0	32.8-135	1.42	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1910	210	ug/kg dry	2066	ND	92.7	58.1-109	3.39	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1990	210	ug/kg dry	2087	ND	95.3	64.1-108	1.90	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1940	210	ug/kg dry	2056	ND	94.6	64.3-107	0.482	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1940	210	ug/kg dry	2072	ND	93.5	61.6-112	0.728	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1870	210	ug/kg dry	2025	ND	92.4	58-113	0.158	20	
2,3-Dinitrotoluene	1920	210	ug/kg dry	2060	ND	93.1	61.1-127	0.745	20	
2,4,6-Trinitrotoluene	1810	210	ug/kg dry	2060	ND	88.1	38.8-138	0.859	20	
2,4-Dinitrotoluene	1880	210	ug/kg dry	2060	ND	91.3	44.1-133	3.74	20	
2,5-Dinitrotoluene	1860	210	ug/kg dry	2060	ND	90.4	58.3-132	0.243	20	
2,6-Dinitrotoluene	1870	210	ug/kg dry	2060	ND	90.6	52.5-128	0.693	20	
2-Amino-4,6-dinitrotoluene	1360	210	ug/kg dry	2060	ND	65.9	18-135	2.49	20	
2-Nitrotoluene	2080	210	ug/kg dry	2060	ND	101	73.9-113	1.98	20	
3,4-Dinitrotoluene	1830	210	ug/kg dry	2060	ND	88.6	52.8-120	0.902	20	
3,5-Dinitroaniline	1350	210	ug/kg dry	2060	ND	65.5	22.9-131	0.402	20	
3,5-Dinitrotoluene	1920	210	ug/kg dry	2060	ND	93.2	59.3-135	0.0590	20	
3-Nitrotoluene	2060	210	ug/kg dry	2060	ND	100	73.6-116	1.71	20	
4-Amino-2,6-dinitrotoluene	1420	210	ug/kg dry	2060	ND	68.7	10-144	5.04	20	
4-Nitrotoluene	2060	210	ug/kg dry	2060	ND	99.8	71.2-114	0.284	20	
Nitrobenzene	2110	210	ug/kg dry	2060	ND	102	72.5-112	1.23	20	
Surrogate: 2,2'-Dinitrobiphenyl	1790		ug/kg dry	2001		89.5	11.5-161			
Surrogate: Nitrobenzene-d5	2080		ug/kg dry	2060		101	65.1-116			

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 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 A909188 - % Solids**

<b>Duplicate (A909188-DUP1)</b>	<b>Source: A193805-01</b>		Prepared: 09/18/2019 Analyzed: 09/19/2019 08:29							
% Solids	74.6	0.00	% by Weight		72.9			2.27	20	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 09493

Page: 1 of ~~1~~ 1

Project Number: 569001/60505619 PO Number:		Lab Work Order #: <b>A193711</b>		Report To: <i>Sharon Nordstrom</i>																																																																																																																																																																																																																																													
Project Name: <i>SITE INVESTIGATION - PAS</i>		Preservation Codes		Company: <i>AE COM</i>																																																																																																																																																																																																																																													
Project Location (City, State): <i>Barrshville, WI</i>		Analyses Requested: <i>A</i>		Address 1:																																																																																																																																																																																																																																													
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Page 13 of 13 A193711 FINAL 09 24 2019 1435

<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)	<b>Other Comments:</b> <i>Feel EX</i>  <i>7761 9404 1629</i> <i>① Discard sample per Sharon</i> <i>8/09-11-19</i>	Relinquished By: <i>Desmond Nielsen</i>	Date: 4/10/19	Time: 12:00	Received By: <i>Sharon Nordstrom</i>	Date: 09-11-19	Time: 1120
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via: <i>FedEx</i>	Receipt Temp: <i>3.5°C</i>	Thermometer #/ Exp. Date: <i>160142274 12-20-19</i>	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

September 24, 2019

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 09/17/2019.

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**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190916-008X	A193806-01	Soil	09/16/2019	09/17/2019
SITG-190916-05N-R	A193806-02	Soil	09/16/2019	09/17/2019

**CASE NARRATIVE**

**Sample Receipt Information:**

2 samples were received on 09/17/2019. Samples were received at 3.7 degrees Celsius. Samples were received in acceptable condition.

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



2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190916-008X**

Date Sampled  
**09/16/2019 08:50**

**A193806-01 (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: A909201**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>52000</b>	820	ug/kg dry	4	09/23/2019	09/24/2019 09:31	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>2000</b>	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>5800</b>	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/23/2019	09/23/2019 23:13	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	93.5 %	11.5-161	09/23/2019	09/23/2019 23:13	EPA 8270D
Surrogate: Nitrobenzene-d5	100 %	65.1-116	09/23/2019	09/23/2019 23:13	EPA 8270D

**Classical Chemistry Parameters**

**Preparation Batch: A909188**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	09/18/2019	09/19/2019 08:29	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190916-05N-R**

Date Sampled  
**09/16/2019 08:40**

**A193806-02 (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: A909201**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>380</b>	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/23/2019	09/23/2019 23:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.4 %		11.5-161	09/23/2019	09/23/2019 23:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		103 %		65.1-116	09/23/2019	09/23/2019 23:45	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909188**

<b>% Solids</b>	<b>99.4</b>	0.00	% by Weight	1	09/18/2019	09/19/2019 08:29	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909201 - EPA 3570

##### Blank (A909201-BLK1)

Prepared: 09/23/2019 Analyzed: 09/23/2019 19:34

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

1020 ug/kg wet

1943

52.5 11.5-161

Surrogate: Nitrobenzene-d5

2010 ug/kg wet

2000

101 65.1-116

##### LCS (A909201-BS1)

Prepared: 09/23/2019 Analyzed: 09/23/2019 20:05

1,2-Dimethyl-3,4-Dinitrobenzene	1930	200	ug/kg wet	1996	96.6	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1820	200	ug/kg wet	2020	90.2	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1910	200	ug/kg wet	1999	95.3	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1920	200	ug/kg wet	2026	94.9	68.8-113
1,3,5-Trinitrobenzene	1680	200	ug/kg wet	2000	83.8	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg wet	2020	91.3	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2002	94.2	75-113
1,3-Dinitrobenzene	1670	200	ug/kg wet	2000	83.4	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2006	92.8	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg wet	2026	94.5	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.6	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg wet	2012	94.6	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	1966	92.9	70.2-109
2,3-Dinitrotoluene	1710	200	ug/kg wet	2000	85.5	64.2-125

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909201 - EPA 3570

##### LCS (A909201-BS1)

Prepared: 09/23/2019 Analyzed: 09/23/2019 20:05

2,4,6-Trinitrotoluene	1750	200	ug/kg wet	2000		87.7	57.1-139			
2,4-Dinitrotoluene	1990	200	ug/kg wet	2000		99.6	67.4-120			
2,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.3	62-124			
2,6-Dinitrotoluene	1830	200	ug/kg wet	2000		91.5	74.6-116			
2-Amino-4,6-dinitrotoluene	1560	200	ug/kg wet	2000		77.9	65.9-110			
2-Nitrotoluene	1950	200	ug/kg wet	2000		97.4	76.3-114			
3,4-Dinitrotoluene	1820	200	ug/kg wet	2000		91.0	68.2-117			
3,5-Dinitroaniline	1570	200	ug/kg wet	2000		78.7	61.6-115			
3,5-Dinitrotoluene	1900	200	ug/kg wet	2000		95.1	70.5-120			
3-Nitrotoluene	1930	200	ug/kg wet	2000		96.3	77.4-113			
4-Amino-2,6-dinitrotoluene	1620	200	ug/kg wet	2000		80.9	57.5-113			
4-Nitrotoluene	1960	200	ug/kg wet	2000		97.9	74.8-112			
Nitrobenzene	2000	200	ug/kg wet	2000		100	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1810</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>93.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1980</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>99.2</i>	<i>65.1-116</i>			

##### Matrix Spike (A909201-MS1)

Source: A193711-03

Prepared: 09/23/2019 Analyzed: 09/24/2019 00:16

1,2-Dimethyl-3,4-Dinitrobenzene	1940	210	ug/kg dry	2056	ND	94.1	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1860	210	ug/kg dry	2080	ND	89.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1960	210	ug/kg dry	2059	ND	95.0	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1970	210	ug/kg dry	2087	ND	94.2	58.4-113			
1,3,5-Trinitrobenzene	1590	210	ug/kg dry	2060	ND	77.1	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1930	210	ug/kg dry	2080	ND	92.8	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1980	210	ug/kg dry	2062	ND	95.8	70.7-112			
1,3-Dinitrobenzene	1710	210	ug/kg dry	2060	ND	82.8	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	210	ug/kg dry	2066	ND	89.6	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1950	210	ug/kg dry	2087	ND	93.5	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1950	210	ug/kg dry	2056	ND	95.0	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	210	ug/kg dry	2072	ND	92.8	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1870	210	ug/kg dry	2025	ND	92.3	58-113			
2,3-Dinitrotoluene	1930	210	ug/kg dry	2060	ND	93.8	61.1-127			
2,4,6-Trinitrotoluene	1800	210	ug/kg dry	2060	ND	87.3	38.8-138			
2,4-Dinitrotoluene	1810	210	ug/kg dry	2060	ND	87.9	44.1-133			
2,5-Dinitrotoluene	1860	210	ug/kg dry	2060	ND	90.2	58.3-132			
2,6-Dinitrotoluene	1880	210	ug/kg dry	2060	ND	91.2	52.5-128			
2-Amino-4,6-dinitrotoluene	1390	210	ug/kg dry	2060	ND	67.6	18-135			
2-Nitrotoluene	2040	210	ug/kg dry	2060	ND	99.1	73.9-113			
3,4-Dinitrotoluene	1810	210	ug/kg dry	2060	ND	87.8	52.8-120			
3,5-Dinitroaniline	1350	210	ug/kg dry	2060	ND	65.8	22.9-131			
3,5-Dinitrotoluene	1920	210	ug/kg dry	2060	ND	93.3	59.3-135			
3-Nitrotoluene	2030	210	ug/kg dry	2060	ND	98.4	73.6-116			
4-Amino-2,6-dinitrotoluene	1490	210	ug/kg dry	2060	ND	72.3	10-144			
4-Nitrotoluene	2050	210	ug/kg dry	2060	ND	99.6	71.2-114			
Nitrobenzene	2080	210	ug/kg dry	2060	ND	101	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1740</i>		<i>ug/kg dry</i>	<i>2001</i>		<i>86.8</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2040</i>		<i>ug/kg dry</i>	<i>2060</i>		<i>98.9</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909201 - EPA 3570

##### Matrix Spike Dup (A909201-MSD1)

Source: A193711-03

Prepared: 09/23/2019 Analyzed: 09/24/2019 00:47

1,2-Dimethyl-3,4-Dinitrobenzene	1920	210	ug/kg dry	2056	ND	93.3	59.9-113	0.910	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	210	ug/kg dry	2080	ND	88.7	63.5-111	0.899	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1970	210	ug/kg dry	2059	ND	95.5	67.8-114	0.520	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1940	210	ug/kg dry	2087	ND	92.9	58.4-113	1.37	20	
1,3,5-Trinitrobenzene	1610	210	ug/kg dry	2060	ND	78.1	12.3-150	1.22	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1940	210	ug/kg dry	2080	ND	93.1	63.6-111	0.308	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1960	210	ug/kg dry	2062	ND	95.2	70.7-112	0.647	20	
1,3-Dinitrobenzene	1730	210	ug/kg dry	2060	ND	84.0	32.8-135	1.42	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1910	210	ug/kg dry	2066	ND	92.7	58.1-109	3.39	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1990	210	ug/kg dry	2087	ND	95.3	64.1-108	1.90	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1940	210	ug/kg dry	2056	ND	94.6	64.3-107	0.482	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1940	210	ug/kg dry	2072	ND	93.5	61.6-112	0.728	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1870	210	ug/kg dry	2025	ND	92.4	58-113	0.158	20	
2,3-Dinitrotoluene	1920	210	ug/kg dry	2060	ND	93.1	61.1-127	0.745	20	
2,4,6-Trinitrotoluene	1810	210	ug/kg dry	2060	ND	88.1	38.8-138	0.859	20	
2,4-Dinitrotoluene	1880	210	ug/kg dry	2060	ND	91.3	44.1-133	3.74	20	
2,5-Dinitrotoluene	1860	210	ug/kg dry	2060	ND	90.4	58.3-132	0.243	20	
2,6-Dinitrotoluene	1870	210	ug/kg dry	2060	ND	90.6	52.5-128	0.693	20	
2-Amino-4,6-dinitrotoluene	1360	210	ug/kg dry	2060	ND	65.9	18-135	2.49	20	
2-Nitrotoluene	2080	210	ug/kg dry	2060	ND	101	73.9-113	1.98	20	
3,4-Dinitrotoluene	1830	210	ug/kg dry	2060	ND	88.6	52.8-120	0.902	20	
3,5-Dinitroaniline	1350	210	ug/kg dry	2060	ND	65.5	22.9-131	0.402	20	
3,5-Dinitrotoluene	1920	210	ug/kg dry	2060	ND	93.2	59.3-135	0.0590	20	
3-Nitrotoluene	2060	210	ug/kg dry	2060	ND	100	73.6-116	1.71	20	
4-Amino-2,6-dinitrotoluene	1420	210	ug/kg dry	2060	ND	68.7	10-144	5.04	20	
4-Nitrotoluene	2060	210	ug/kg dry	2060	ND	99.8	71.2-114	0.284	20	
Nitrobenzene	2110	210	ug/kg dry	2060	ND	102	72.5-112	1.23	20	
Surrogate: 2,2'-Dinitrobiphenyl	1790		ug/kg dry	2001		89.5	11.5-161			
Surrogate: Nitrobenzene-d5	2080		ug/kg dry	2060		101	65.1-116			

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A909188 - % Solids**

<b>Duplicate (A909188-DUP1)</b>	<b>Source: A193805-01</b>		Prepared: 09/18/2019 Analyzed: 09/19/2019 08:29							
% Solids	74.6	0.00	% by Weight		72.9			2.27	20	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference







2525 Advance Road  
Madison, WI 53718  
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October 12, 2019

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 09/24/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190920-031-C-0-4	A193903-01	Soil	09/20/2019	09/24/2019
SITG-190920-031-E-0-4	A193903-02	Soil	09/20/2019	09/24/2019
SITG-190920-031-W-0-4	A193903-03	Soil	09/20/2019	09/24/2019
SITG-190920-032-C-0-4	A193903-04	Soil	09/20/2019	09/24/2019
SITG-190920-032-E-0-4	A193903-05	Soil	09/20/2019	09/24/2019
SITG-190920-032-W-0-4	A193903-06	Soil	09/20/2019	09/24/2019
SITG-190920-033-C-0-4	A193903-07	Soil	09/20/2019	09/24/2019
SITG-190920-033-E-0-4	A193903-08	Soil	09/20/2019	09/24/2019
SITG-190920-034-C-0-4	A193903-09	Soil	09/20/2019	09/24/2019
SITG-190920-034-W-0-4	A193903-10	Soil	09/20/2019	09/24/2019
SITG-190920-034-S-0-4	A193903-11	Soil	09/20/2019	09/24/2019
SITG-190920-035-C-0-4	A193903-12	Soil	09/20/2019	09/24/2019
SITG-190920-035-C-0-4-D	A193903-13	Soil	09/20/2019	09/24/2019
SITG-190920-035-S-0-4	A193903-14	Soil	09/20/2019	09/24/2019
SITG-190920-036-C-0-4	A193903-15	Soil	09/20/2019	09/24/2019
SITG-190920-036-W-0-4	A193903-16	Soil	09/20/2019	09/24/2019
SITG-190920-036-S-0-4	A193903-17	Soil	09/20/2019	09/24/2019
SITG-190920-037-C-0-4	A193903-18	Soil	09/20/2019	09/24/2019
SITG-190920-038-C-0-4	A193903-19	Soil	09/20/2019	09/24/2019
SITG-190920-039-C-0-4	A193903-20	Soil	09/20/2019	09/24/2019
SITG-190920-040-C-0-4	A193903-21	Soil	09/20/2019	09/24/2019
SITG-190920-040-W-0-4	A193903-22	Soil	09/20/2019	09/24/2019
SITG-190920-040-N-0-4	A193903-23	Soil	09/20/2019	09/24/2019
SITG-190920-041-C-0-4	A193903-24	Soil	09/20/2019	09/24/2019
SITG-190920-041-C-0-4-D	A193903-25	Soil	09/20/2019	09/24/2019
SITG-190920-041-E-0-4	A193903-26	Soil	09/20/2019	09/24/2019
SITG-190920-041-N-0-4	A193903-27	Soil	09/20/2019	09/24/2019
SITG-190920-042-C-0-4	A193903-28	Soil	09/20/2019	09/24/2019
SITG-190920-042-N-0-4	A193903-29	Soil	09/20/2019	09/24/2019
SITG-190920-043-C-0-4	A193903-30	Soil	09/20/2019	09/24/2019
SITG-190920-043-N-0-4	A193903-31	Soil	09/20/2019	09/24/2019
SITG-190920-043-W-0-4	A193903-32	Soil	09/20/2019	09/24/2019
SITG-190920-030-X-0-3	A193903-33	Soil	09/20/2019	09/24/2019



2525 Advance Road  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190920-016-X-0-3	A193903-34	Soil	09/20/2019	09/24/2019
SITG-190920-016-X-0-3-D	A193903-35	Soil	09/20/2019	09/24/2019
SITG-190920-017-X-0-3	A193903-36	Soil	09/20/2019	09/24/2019
SITG-190920-018-X-0-3	A193903-37	Soil	09/20/2019	09/24/2019
SITG-190920-019-X-0-3	A193903-38	Soil	09/20/2019	09/24/2019
SITG-190920-020-X-0-3	A193903-39	Soil	09/20/2019	09/24/2019
SITG-190920-021-X-0-3	A193903-40	Soil	09/20/2019	09/24/2019
SITG-190920-023-X-0-3	A193903-41	Soil	09/20/2019	09/24/2019
SITG-190920-024-X-0-3	A193903-42	Soil	09/20/2019	09/24/2019
SITG-190920-025-X-0-3	A193903-43	Soil	09/20/2019	09/24/2019
SITG-190920-026-X-0-3	A193903-44	Soil	09/20/2019	09/24/2019
SITG-190920-027-X-0-3	A193903-45	Soil	09/20/2019	09/24/2019
SITG-190920-028-X-0-3	A193903-46	Soil	09/20/2019	09/24/2019
SITG-190920-029-X-0-3	A193903-47	Soil	09/20/2019	09/24/2019
SITG-190920-031-X-0-4	A193903-48	Soil	09/20/2019	09/24/2019
SITG-190920-032-X-0-4	A193903-49	Soil	09/20/2019	09/24/2019
SITG-190920-035-X-0-4	A193903-50	Soil	09/20/2019	09/24/2019
SITG-190920-036-X-0-4	A193903-51	Soil	09/20/2019	09/24/2019
SITG-190920-041-X-0-4	A193903-52	Soil	09/20/2019	09/24/2019
SITG-190920-042-X-0-4	A193903-53	Soil	09/20/2019	09/24/2019
SITG-190920-042-X-0-4-D	A193903-54	Soil	09/20/2019	09/24/2019
SITG-190920-043-X-0-4	A193903-55	Soil	09/20/2019	09/24/2019
SITG-190920-044-C-0-3	A193903-56	Soil	09/20/2019	09/24/2019
SITG-190920-044-E-0-3	A193903-57	Soil	09/20/2019	09/24/2019
SITG-190920-044-C-0-3-D	A193903-58	Soil	09/20/2019	09/24/2019
SITG-190920-044-W-0-3	A193903-59	Soil	09/20/2019	09/24/2019
SITG-190920-044-N-0-3	A193903-60	Soil	09/20/2019	09/24/2019
SITG-190920-044-X-0-3	A193903-61	Soil	09/20/2019	09/24/2019

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

## **CASE NARRATIVE**

### **Sample Receipt Information:**

61 samples were received on 09/24/2019. Samples were received at 2.8 and 3.9 degrees Celsius. Samples were received in acceptable condition, with the exception of the label discrepancies noted below.

Samples A193903-48, A193903-56 and A193903-58 had discrepancies between the sample description or collection time on the chain of custody (COC) versus the container. The correct description or collection time were confirmed with the client.

Please see the COC document at the end of this report for additional information.

### **Sample Preparation:**

Samples A193903-48 and A193903-49 were re-extracted and re-analyzed for the explosives by GC/MS analysis due to the needed dilutions. The re-extractions are presented in this report as sample numbers A193903-48RE1 and A193903-49RE1.

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-031-C-0-4**

Date Sampled

**A193903-01 (Soil)**

**09/20/2019 08:44**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>850</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	M
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>720</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>290</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.0 %		11.5-161	09/26/2019	09/26/2019 14:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.9 %		65.1-116	09/26/2019	09/26/2019 14:22	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>99.1</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-031-E-0-4**

**A193903-02 (Soil)**

Date Sampled

09/20/2019 08:45

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>34000</b>	2000	ug/kg dry	10	09/26/2019	09/27/2019 12:08	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>350</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>370</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 14:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		75.6 %		11.5-161	09/26/2019	09/26/2019 14:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.5 %		65.1-116	09/26/2019	09/26/2019 14:54	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-031-W-0-4**

Date Sampled

**A193903-03 (Soil)**

**09/20/2019 08:46**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>17000</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>390</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>450</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:25	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.0 %		11.5-161	09/26/2019	09/26/2019 15:25	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.9 %		65.1-116	09/26/2019	09/26/2019 15:25	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-032-C-0-4**

**A193903-04 (Soil)**

Date Sampled

09/20/2019 08:47

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>680</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>370</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>250</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 15:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		70.5 %		11.5-161	09/26/2019	09/26/2019 15:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.1 %		65.1-116	09/26/2019	09/26/2019 15:57	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-032-E-0-4**

Date Sampled

**A193903-05 (Soil)**

**09/20/2019 08:48**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>410</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 16:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		59.0 %		11.5-161	09/26/2019	09/26/2019 16:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.4 %		65.1-116	09/26/2019	09/26/2019 16:28	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-032-W-0-4**

**A193903-06 (Soil)**

Date Sampled

09/20/2019 08:49

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 16:59	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		41.6 %		11.5-161	09/26/2019	09/26/2019 16:59	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.4 %		65.1-116	09/26/2019	09/26/2019 16:59	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

% Solids	97.1	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-033-C-0-4**

**A193903-07 (Soil)**

Date Sampled  
**09/20/2019 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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:05	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.3 %		11.5-161	09/26/2019	09/26/2019 19:05	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.9 %		65.1-116	09/26/2019	09/26/2019 19:05	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

% Solids	99.0	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-033-E-0-4**

Date Sampled

**A193903-08 (Soil)**

**09/20/2019 08:51**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>6500</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 19:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.3 %		11.5-161	09/26/2019	09/26/2019 19:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.5 %		65.1-116	09/26/2019	09/26/2019 19:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-034-C-0-4**

**A193903-09 (Soil)**

Date Sampled

09/20/2019 08:52

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>20000</b>	410	ug/kg dry	2	09/26/2019	09/27/2019 12:39	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 20:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.6 %	11.5-161		09/26/2019	09/26/2019 20:07	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.0 %	65.1-116		09/26/2019	09/26/2019 20:07	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-034-W-0-4**

Date Sampled

**A193903-10 (Soil)**

**09/20/2019 08:53**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3000</b>	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>470</b>	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 20:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.8 %		11.5-161	09/26/2019	09/26/2019 20:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.2 %		65.1-116	09/26/2019	09/26/2019 20:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-034-S-0-4**

**A193903-11 (Soil)**

Date Sampled  
**09/20/2019 08:54**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/26/2019	09/26/2019 21:10	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.2 %		11.5-161	09/26/2019	09/26/2019 21:10	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.6 %		65.1-116	09/26/2019	09/26/2019 21:10	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

% Solids	96.5	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-035-C-0-4**

Date Sampled

**A193903-12 (Soil)**

**09/20/2019 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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3400</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 21:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		58.3 %		11.5-161	09/26/2019	09/26/2019 21:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.4 %		65.1-116	09/26/2019	09/26/2019 21:41	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-035-C-0-4-D**

**A193903-13 (Soil)**

Date Sampled

09/20/2019 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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>690</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:13	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.7 %		11.5-161	09/26/2019	09/26/2019 22:13	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.8 %		65.1-116	09/26/2019	09/26/2019 22:13	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-035-S-0-4**

Date Sampled

**A193903-14 (Soil)**

**09/20/2019 08:56**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>270</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 22:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		45.9 %		11.5-161	09/26/2019	09/26/2019 22:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.0 %		65.1-116	09/26/2019	09/26/2019 22:44	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-036-C-0-4**

Date Sampled

**A193903-15 (Soil)**

**09/20/2019 08:57**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>260</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:16	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		41.2 %		11.5-161	09/26/2019	09/26/2019 23:16	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.4 %		65.1-116	09/26/2019	09/26/2019 23:16	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-036-W-0-4**

**A193903-16 (Soil)**

Date Sampled  
**09/20/2019 08:58**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2300</b>	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/26/2019 23:47	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.7 %		11.5-161	09/26/2019	09/26/2019 23:47	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.7 %		65.1-116	09/26/2019	09/26/2019 23:47	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-036-S-0-4**

Date Sampled  
**09/20/2019 08:59**

**A193903-17 (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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:21	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.0 %		11.5-161	09/26/2019	09/27/2019 01:21	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.5 %		65.1-116	09/26/2019	09/27/2019 01:21	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-037-C-0-4**

**A193903-18 (Soil)**

Date Sampled  
**09/20/2019 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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 01:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.8 %	11.5-161		09/26/2019	09/27/2019 01:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.3 %	65.1-116		09/26/2019	09/27/2019 01:53	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-038-C-0-4**

**A193903-19 (Soil)**

Date Sampled  
**09/20/2019 09:01**

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 02:24	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		40.9 %	11.5-161		09/26/2019	09/27/2019 02:24	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.5 %	65.1-116		09/26/2019	09/27/2019 02:24	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

% Solids	99.1	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-039-C-0-4**

**A193903-20 (Soil)**

Date Sampled

09/20/2019 09:02

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: A909216**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>920</b>	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>480</b>	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>300</b>	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/26/2019	09/27/2019 04:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.2 %		11.5-161	09/26/2019	09/27/2019 04:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.8 %		65.1-116	09/26/2019	09/27/2019 04:29	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909217**

<b>% Solids</b>	<b>99.2</b>	0.00	% by Weight	1	09/26/2019	09/27/2019 08:00	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-040-C-0-4**

Date Sampled

**A193903-21 (Soil)**

**09/20/2019 09:03**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2000</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 18:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.7 %	11.5-161		09/27/2019	09/27/2019 18:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.1 %	65.1-116		09/27/2019	09/27/2019 18:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-040-W-0-4**

Date Sampled

**A193903-22 (Soil)**

**09/20/2019 09:04**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2200</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.4 %	11.5-161		09/27/2019	09/27/2019 19:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.5 %	65.1-116		09/27/2019	09/27/2019 19:03	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-040-N-0-4**

**A193903-23 (Soil)**

Date Sampled  
**09/20/2019 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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3500</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 19:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.3 %		11.5-161	09/27/2019	09/27/2019 19:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.4 %		65.1-116	09/27/2019	09/27/2019 19:34	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-041-C-0-4**

**A193903-24 (Soil)**

Date Sampled

09/20/2019 09:06

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2700</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 21:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.7 %	11.5-161		09/27/2019	09/27/2019 21:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.5 %	65.1-116		09/27/2019	09/27/2019 21:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.8</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-041-C-0-4-D**

**A193903-25 (Soil)**

Date Sampled

09/20/2019 09:06

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>7400</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:10	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.9 %		11.5-161	09/27/2019	09/27/2019 22:10	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.1 %		65.1-116	09/27/2019	09/27/2019 22:10	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-041-E-0-4**

Date Sampled

**A193903-26 (Soil)**

**09/20/2019 09:07**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1800</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 22:42	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.7 %		11.5-161	09/27/2019	09/27/2019 22:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.0 %		65.1-116	09/27/2019	09/27/2019 22:42	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-041-N-0-4**

**A193903-27 (Soil)**

Date Sampled  
**09/20/2019 09:08**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1000</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:13	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.0 %		11.5-161	09/27/2019	09/27/2019 23:13	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.7 %		65.1-116	09/27/2019	09/27/2019 23:13	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-042-C-0-4**

**A193903-28 (Soil)**

Date Sampled

09/20/2019 09:09

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/27/2019 23:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.8 %		11.5-161	09/27/2019	09/27/2019 23:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		65.1-116	09/27/2019	09/27/2019 23:44	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-042-N-0-4**

**A193903-29 (Soil)**

Date Sampled  
**09/20/2019 09:10**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:16	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.5 %	11.5-161		09/27/2019	09/28/2019 00:16	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.4 %	65.1-116		09/27/2019	09/28/2019 00:16	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

% Solids	99.0	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-043-C-0-4**

**A193903-30 (Soil)**

Date Sampled  
**09/20/2019 09:11**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>25000</b>	1600	ug/kg dry	8	09/27/2019	09/30/2019 17:45	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>250</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>260</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 00:47	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		78.6 %	11.5-161		09/27/2019	09/28/2019 00:47	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.0 %	65.1-116		09/27/2019	09/28/2019 00:47	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-043-N-0-4**

**A193903-31 (Soil)**

Date Sampled  
**09/20/2019 09:12**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>15000</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>240</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>320</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.3 %	11.5-161		09/27/2019	09/28/2019 01:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.9 %	65.1-116		09/27/2019	09/28/2019 01:19	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-043-W-0-4**

Date Sampled

**A193903-32 (Soil)**

**09/20/2019 09:13**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>270000</b>	160000	ug/kg dry	800	09/27/2019	09/30/2019 18:17	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>2200</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>3500</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 01:50	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		95.4 %	11.5-161		09/27/2019	09/28/2019 01:50	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.9 %	65.1-116		09/27/2019	09/28/2019 01:50	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-030-X-0-3**

**A193903-33 (Soil)**

Date Sampled  
**09/20/2019 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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>500</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:21	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.4 %		11.5-161	09/27/2019	09/28/2019 02:21	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.3 %		65.1-116	09/27/2019	09/28/2019 02:21	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-016-X-0-3**

**A193903-34 (Soil)**

Date Sampled  
**09/20/2019 10:46**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 02:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.7 %	11.5-161		09/27/2019	09/28/2019 02:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.4 %	65.1-116		09/27/2019	09/28/2019 02:53	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-016-X-0-3-D**

**A193903-35 (Soil)**

Date Sampled

09/20/2019 10:46

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.8 %		11.5-161	09/27/2019	09/28/2019 04:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.6 %		65.1-116	09/27/2019	09/28/2019 04:26	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

% Solids	98.1	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-017-X-0-3**

**A193903-36 (Soil)**

**Date Sampled**

**09/20/2019 10:47**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 04:58	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		45.6 %		11.5-161	09/27/2019	09/28/2019 04:58	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.0 %		65.1-116	09/27/2019	09/28/2019 04:58	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-018-X-0-3**

**A193903-37 (Soil)**

Date Sampled

09/20/2019 10:48

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 05:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.5 %		11.5-161	09/27/2019	09/28/2019 05:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.4 %		65.1-116	09/27/2019	09/28/2019 05:29	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

% Solids	97.7	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-019-X-0-3**

Date Sampled

**A193903-38 (Soil)**

**09/20/2019 10:49**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>320</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.1 %	11.5-161		09/27/2019	09/28/2019 06:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.6 %	65.1-116		09/27/2019	09/28/2019 06:00	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-020-X-0-3**

**A193903-39 (Soil)**

Date Sampled  
**09/20/2019 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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3400</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>280</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 06:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		69.4 %		11.5-161	09/27/2019	09/28/2019 06:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.2 %		65.1-116	09/27/2019	09/28/2019 06:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-021-X-0-3**

Date Sampled

**A193903-40 (Soil)**

**09/20/2019 10:51**

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: A909227**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>92000</b>	1600	ug/kg dry	8	09/27/2019	09/30/2019 18:48	EPA 8270D	M1, D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>520</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>490</b>	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	09/28/2019 07:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		82.5 %		11.5-161	09/27/2019	09/28/2019 07:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.0 %		65.1-116	09/27/2019	09/28/2019 07:03	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909228**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-023-X-0-3**

**A193903-41 (Soil)**

Date Sampled

09/20/2019 10:52

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>310</b>	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>210</b>	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>350</b>	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 00:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.5 %		11.5-161	09/27/2019	10/01/2019 00:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.2 %		65.1-116	09/27/2019	10/01/2019 00:03	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-024-X-0-3**

Date Sampled

**A193903-42 (Soil)**

**09/20/2019 10:53**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 00:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.7 %	11.5-161		09/27/2019	10/01/2019 00:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %	65.1-116		09/27/2019	10/01/2019 00:35	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-025-X-0-3**

Date Sampled

**A193903-43 (Soil)**

**09/20/2019 10:54**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 01:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		58.6 %		11.5-161	09/27/2019	10/01/2019 01:06	EPA 8270D	
Surrogate: Nitrobenzene-d5		100 %		65.1-116	09/27/2019	10/01/2019 01:06	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

% Solids	98.4	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-026-X-0-3**

**A193903-44 (Soil)**

Date Sampled  
**09/20/2019 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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>410</b>	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 01:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.6 %		11.5-161	09/27/2019	10/01/2019 01:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		102 %		65.1-116	09/27/2019	10/01/2019 01:37	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-027-X-0-3**

**A193903-45 (Soil)**

Date Sampled  
**09/20/2019 10:56**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		69.8 %		11.5-161	09/27/2019	10/01/2019 02:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		104 %		65.1-116	09/27/2019	10/01/2019 02:09	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-028-X-0-3**

Date Sampled

**A193903-46 (Soil)**

**09/20/2019 10:57**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 02:40	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.7 %	11.5-161		09/27/2019	10/01/2019 02:40	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %	65.1-116		09/27/2019	10/01/2019 02:40	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

% Solids	97.9	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-029-X-0-3**

Date Sampled

**A193903-47 (Soil)**

**09/20/2019 10:58**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1400</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 03:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		70.5 %		11.5-161	09/27/2019	10/01/2019 03:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %		65.1-116	09/27/2019	10/01/2019 03:12	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190920-031-X-0-4**

Date Sampled

**A193903-48 (Soil)**

**09/20/2019 10:59**

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

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	98.4	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-031-X-0-4**

**A193903-48RE1 (Soil)**

Date Sampled

09/20/2019 10:59

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>34000</b>	810	ug/kg dry	4	10/10/2019	10/11/2019 03:46	EPA 8270D	M1, D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>720</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>600</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 16:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		78.6 %		11.5-161	10/10/2019	10/10/2019 16:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		65.1-116	10/10/2019	10/10/2019 16:46	EPA 8270D	

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190920-032-X-0-4**

Date Sampled

**A193903-49 (Soil)**

09/20/2019 11:00

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

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	98.4	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-032-X-0-4**

Date Sampled

**A193903-49RE1 (Soil)**

**09/20/2019 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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>23000</b>	2000	ug/kg dry	10	10/10/2019	10/11/2019 04:17	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>1300</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1000</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 17:18	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		81.8 %		11.5-161	10/10/2019	10/10/2019 17:18	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.3 %		65.1-116	10/10/2019	10/10/2019 17:18	EPA 8270D	





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AECOM  
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Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-035-X-0-4**

Date Sampled

**A193903-50 (Soil)**

**09/20/2019 11:01**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>890</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 04:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.5 %		11.5-161	09/27/2019	10/01/2019 04:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %		65.1-116	09/27/2019	10/01/2019 04:46	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-036-X-0-4**

**A193903-51 (Soil)**

Date Sampled  
**09/20/2019 11:02**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>15000</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>640</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>740</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.6 %	11.5-161		09/27/2019	10/01/2019 06:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.9 %	65.1-116		09/27/2019	10/01/2019 06:20	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-041-X-0-4**

Date Sampled

**A193903-52 (Soil)**

**09/20/2019 11:03**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2800</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 06:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.0 %		11.5-161	09/27/2019	10/01/2019 06:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		98.6 %		65.1-116	09/27/2019	10/01/2019 06:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-042-X-0-4**  
**A193903-53 (Soil)**

Date Sampled  
**09/20/2019 11:04**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>290</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:23	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		59.8 %		11.5-161	09/27/2019	10/01/2019 07:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		102 %		65.1-116	09/27/2019	10/01/2019 07:23	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-042-X-0-4-D**

**A193903-54 (Soil)**

Date Sampled

09/20/2019 11:04

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>400</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 07:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		59.5 %		11.5-161	09/27/2019	10/01/2019 07:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.9 %		65.1-116	09/27/2019	10/01/2019 07:54	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-043-X-0-4**

**A193903-55 (Soil)**

Date Sampled  
**09/20/2019 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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2500</b>	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:25	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.9 %	11.5-161		09/27/2019	10/01/2019 08:25	EPA 8270D	
Surrogate: Nitrobenzene-d5		102 %	65.1-116		09/27/2019	10/01/2019 08:25	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-044-C-0-3**

**A193903-56 (Soil)**

Date Sampled

09/20/2019 13:31

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 08:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.8 %		11.5-161	09/27/2019	10/01/2019 08:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		104 %		65.1-116	09/27/2019	10/01/2019 08:57	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

% Solids	98.7	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-044-E-0-3**

**A193903-57 (Soil)**

Date Sampled  
**09/20/2019 13:33**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 09:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.3 %	11.5-161		09/27/2019	10/01/2019 09:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.6 %	65.1-116		09/27/2019	10/01/2019 09:28	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>97.0</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-044-C-0-3-D**

**A193903-58 (Soil)**

**Date Sampled**

**09/20/2019 13:31**

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 10:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		47.3 %		11.5-161	09/27/2019	10/01/2019 10:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		102 %		65.1-116	09/27/2019	10/01/2019 10:00	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190920-044-W-0-3**

Date Sampled

**A193903-59 (Soil)**

09/20/2019 13:34

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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>230</b>	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/27/2019	10/01/2019 10:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.9 %		11.5-161	09/27/2019	10/01/2019 10:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.9 %		65.1-116	09/27/2019	10/01/2019 10:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-044-N-0-3**

**A193903-60 (Soil)**

Date Sampled  
**09/20/2019 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: A909232**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/27/2019	10/01/2019 11:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.1 %		11.5-161	09/27/2019	10/01/2019 11:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		102 %		65.1-116	09/27/2019	10/01/2019 11:03	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A909233**

% Solids	98.1	0.00	% by Weight	1	09/27/2019	09/28/2019 14:20	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190920-044-X-0-3**

**A193903-61 (Soil)**

Date Sampled  
**09/20/2019 13:36**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/01/2019	10/01/2019 19:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.8 %		11.5-161	10/01/2019	10/01/2019 19:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		109 %		65.1-116	10/01/2019	10/01/2019 19:44	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909216 - EPA 3570

##### Blank (A909216-BLK1)

Prepared: 09/26/2019 Analyzed: 09/26/2019 12:17

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	2640		ug/kg wet	3886		68.0	11.5-161			
Surrogate: Nitrobenzene-d5	3800		ug/kg wet	4000		95.0	65.1-116			

##### LCS (A909216-BS1)

Prepared: 09/26/2019 Analyzed: 09/27/2019 02:55

1,2-Dimethyl-3,4-Dinitrobenzene	1840	200	ug/kg wet	1996		92.3	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020		87.1	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1970	200	ug/kg wet	1999		98.3	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1880	200	ug/kg wet	2026		92.8	68.8-113			
1,3,5-Trinitrobenzene	1430	200	ug/kg wet	2000		71.4	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg wet	2020		93.8	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg wet	2002		97.1	75-113			
1,3-Dinitrobenzene	1580	200	ug/kg wet	2000		79.2	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1970	200	ug/kg wet	2006		98.0	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1950	200	ug/kg wet	2026		96.4	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1930	200	ug/kg wet	1996		96.6	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg wet	2012		91.8	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1910	200	ug/kg wet	1966		97.2	70.2-109			
2,3-Dinitrotoluene	1770	200	ug/kg wet	2000		88.4	64.2-125			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909216 - EPA 3570

##### LCS (A909216-BS1)

Prepared: 09/26/2019 Analyzed: 09/27/2019 02:55

2,4,6-Trinitrotoluene	1620	200	ug/kg wet	2000		81.0	57.1-139			
2,4-Dinitrotoluene	2060	200	ug/kg wet	2000		103	67.4-120			
2,5-Dinitrotoluene	1770	200	ug/kg wet	2000		88.5	62-124			
2,6-Dinitrotoluene	1830	200	ug/kg wet	2000		91.5	74.6-116			
2-Amino-4,6-dinitrotoluene	1570	200	ug/kg wet	2000		78.6	65.9-110			
2-Nitrotoluene	1800	200	ug/kg wet	2000		90.0	76.3-114			
3,4-Dinitrotoluene	1880	200	ug/kg wet	2000		93.9	68.2-117			
3,5-Dinitroaniline	1570	200	ug/kg wet	2000		78.7	61.6-115			
3,5-Dinitrotoluene	1960	200	ug/kg wet	2000		97.9	70.5-120			
3-Nitrotoluene	1820	200	ug/kg wet	2000		91.1	77.4-113			
4-Amino-2,6-dinitrotoluene	1450	200	ug/kg wet	2000		72.6	57.5-113			
4-Nitrotoluene	1900	200	ug/kg wet	2000		94.9	74.8-112			
Nitrobenzene	1820	200	ug/kg wet	2000		91.0	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1580</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>81.3</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1760</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>88.1</i>	<i>65.1-116</i>			

##### Matrix Spike (A909216-MS1)

Source: A193903-01

Prepared: 09/26/2019 Analyzed: 09/27/2019 03:26

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg dry	2014	ND	91.9	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg dry	2038	ND	86.2	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1960	200	ug/kg dry	2017	ND	97.1	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1930	200	ug/kg dry	2044	ND	94.2	58.4-113			
1,3,5-Trinitrobenzene	1520	200	ug/kg dry	2018	151	67.7	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg dry	2038	ND	92.5	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1950	200	ug/kg dry	2020	ND	96.4	70.7-112			
1,3-Dinitrobenzene	1650	200	ug/kg dry	2018	ND	81.6	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1950	200	ug/kg dry	2024	ND	96.1	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg dry	2044	ND	96.0	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg dry	2014	ND	94.9	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg dry	2030	ND	90.5	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1900	200	ug/kg dry	1984	ND	95.8	58-113			
2,3-Dinitrotoluene	1720	200	ug/kg dry	2018	ND	85.3	61.1-127			
2,4,6-Trinitrotoluene	3650	200	ug/kg dry	2018	846	139	38.8-138			M
2,4-Dinitrotoluene	2050	200	ug/kg dry	2018	ND	102	44.1-133			
2,5-Dinitrotoluene	1810	200	ug/kg dry	2018	ND	89.9	58.3-132			
2,6-Dinitrotoluene	1820	200	ug/kg dry	2018	ND	90.2	52.5-128			
2-Amino-4,6-dinitrotoluene	2750	200	ug/kg dry	2018	722	101	18-135			
2-Nitrotoluene	1860	200	ug/kg dry	2018	ND	92.3	73.9-113			
3,4-Dinitrotoluene	1850	200	ug/kg dry	2018	ND	91.9	52.8-120			
3,5-Dinitroaniline	1530	200	ug/kg dry	2018	ND	76.1	22.9-131			
3,5-Dinitrotoluene	1970	200	ug/kg dry	2018	ND	97.9	59.3-135			
3-Nitrotoluene	1880	200	ug/kg dry	2018	ND	93.3	73.6-116			
4-Amino-2,6-dinitrotoluene	1920	200	ug/kg dry	2018	290	80.9	10-144			
4-Nitrotoluene	1950	200	ug/kg dry	2018	ND	96.6	71.2-114			
Nitrobenzene	1890	200	ug/kg dry	2018	ND	93.9	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1600</i>		<i>ug/kg dry</i>	<i>1961</i>		<i>81.4</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1840</i>		<i>ug/kg dry</i>	<i>2018</i>		<i>91.4</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909216 - EPA 3570

##### Matrix Spike Dup (A909216-MSD1)

Source: A193903-01

Prepared: 09/26/2019 Analyzed: 09/27/2019 03:58

1,2-Dimethyl-3,4-Dinitrobenzene	1880	200	ug/kg dry	2014	ND	93.5	59.9-113	1.69	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	200	ug/kg dry	2038	ND	90.1	63.5-111	4.34	20	
1,2-Dimethyl-3,6-Dinitrobenzene	2010	200	ug/kg dry	2017	ND	99.6	67.8-114	2.46	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1960	200	ug/kg dry	2044	ND	95.9	58.4-113	1.74	20	
1,3,5-Trinitrobenzene	1600	200	ug/kg dry	2018	151	72.0	12.3-150	5.58	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1940	200	ug/kg dry	2038	ND	95.0	63.6-111	2.68	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1970	200	ug/kg dry	2020	ND	97.4	70.7-112	1.02	20	
1,3-Dinitrobenzene	1700	200	ug/kg dry	2018	ND	84.3	32.8-135	3.25	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1970	200	ug/kg dry	2024	ND	97.2	58.1-109	1.11	20	
1,4-Dimethyl-2,5-Dinitrobenzene	2010	200	ug/kg dry	2044	ND	98.5	64.1-108	2.56	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1980	200	ug/kg dry	2014	ND	98.5	64.3-107	3.75	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg dry	2030	ND	93.7	61.6-112	3.41	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1980	200	ug/kg dry	1984	ND	100	58-113	4.28	20	
2,3-Dinitrotoluene	1980	200	ug/kg dry	2018	ND	98.4	61.1-127	14.2	20	
2,4,6-Trinitrotoluene	3710	200	ug/kg dry	2018	846	142	38.8-138	1.63	20	M
2,4-Dinitrotoluene	1920	200	ug/kg dry	2018	ND	95.0	44.1-133	6.78	20	
2,5-Dinitrotoluene	1870	200	ug/kg dry	2018	ND	92.9	58.3-132	3.27	20	
2,6-Dinitrotoluene	1890	200	ug/kg dry	2018	ND	93.5	52.5-128	3.57	20	
2-Amino-4,6-dinitrotoluene	2970	200	ug/kg dry	2018	722	112	18-135	7.78	20	
2-Nitrotoluene	1920	200	ug/kg dry	2018	ND	95.1	73.9-113	3.02	20	
3,4-Dinitrotoluene	1920	200	ug/kg dry	2018	ND	95.2	52.8-120	3.51	20	
3,5-Dinitroaniline	1650	200	ug/kg dry	2018	ND	81.5	22.9-131	6.94	20	
3,5-Dinitrotoluene	1990	200	ug/kg dry	2018	ND	98.5	59.3-135	0.703	20	
3-Nitrotoluene	1920	200	ug/kg dry	2018	ND	95.2	73.6-116	2.04	20	
4-Amino-2,6-dinitrotoluene	2050	200	ug/kg dry	2018	290	87.0	10-144	6.27	20	
4-Nitrotoluene	1980	200	ug/kg dry	2018	ND	98.0	71.2-114	1.50	20	
Nitrobenzene	1930	200	ug/kg dry	2018	ND	95.7	72.5-112	1.94	20	
Surrogate: 2,2'-Dinitrobiphenyl	1620		ug/kg dry	1961		82.8	11.5-161			
Surrogate: Nitrobenzene-d5	1860		ug/kg dry	2018		92.4	65.1-116			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909227 - EPA 3570

##### Blank (A909227-BLK1)

Prepared: 09/27/2019 Analyzed: 09/27/2019 16:57

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'-Dinitrophenyl	908		ug/kg wet	1943		46.7	11.5-161			
Surrogate: Nitrobenzene-d5	1840		ug/kg wet	2000		91.9	65.1-116			

##### LCS (A909227-BS1)

Prepared: 09/27/2019 Analyzed: 09/27/2019 14:51

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg wet	1996		93.7	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2020		89.8	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999		94.5	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1890	200	ug/kg wet	2026		93.4	68.8-113			
1,3,5-Trinitrobenzene	1530	200	ug/kg wet	2000		76.3	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	2020		90.8	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2002		93.7	75-113			
1,3-Dinitrobenzene	1600	200	ug/kg wet	2000		80.1	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg wet	2006		94.6	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2026		92.5	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1870	200	ug/kg wet	1996		93.5	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg wet	2012		91.6	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg wet	1966		91.5	70.2-109			
2,3-Dinitrotoluene	1740	200	ug/kg wet	2000		87.0	64.2-125			



AECOM  
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Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909227 - EPA 3570

##### LCS (A909227-BS1)

Prepared: 09/27/2019 Analyzed: 09/27/2019 14:51

2,4,6-Trinitrotoluene	1700	200	ug/kg wet	2000		85.1	57.1-139			
2,4-Dinitrotoluene	1900	200	ug/kg wet	2000		94.8	67.4-120			
2,5-Dinitrotoluene	1740	200	ug/kg wet	2000		87.2	62-124			
2,6-Dinitrotoluene	1820	200	ug/kg wet	2000		91.2	74.6-116			
2-Amino-4,6-dinitrotoluene	1620	200	ug/kg wet	2000		80.9	65.9-110			
2-Nitrotoluene	1850	200	ug/kg wet	2000		92.5	76.3-114			
3,4-Dinitrotoluene	1790	200	ug/kg wet	2000		89.6	68.2-117			
3,5-Dinitroaniline	1700	200	ug/kg wet	2000		84.8	61.6-115			
3,5-Dinitrotoluene	1860	200	ug/kg wet	2000		93.2	70.5-120			
3-Nitrotoluene	1840	200	ug/kg wet	2000		92.0	77.4-113			
4-Amino-2,6-dinitrotoluene	1570	200	ug/kg wet	2000		78.5	57.5-113			
4-Nitrotoluene	1890	200	ug/kg wet	2000		94.6	74.8-112			
Nitrobenzene	1890	200	ug/kg wet	2000		94.4	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1730</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>89.0</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1800</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>90.0</i>	<i>65.1-116</i>			

##### Matrix Spike (A909227-MS1)

Source: A193903-40

Prepared: 09/27/2019 Analyzed: 09/27/2019 17:28

1,2-Dimethyl-3,4-Dinitrobenzene	1780	200	ug/kg dry	2040	ND	87.5	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg dry	2065	ND	85.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1940	200	ug/kg dry	2043	ND	94.9	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1950	200	ug/kg dry	2071	ND	94.0	58.4-113			
1,3,5-Trinitrobenzene	1510	200	ug/kg dry	2044	ND	74.1	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1860	200	ug/kg dry	2065	ND	90.2	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg dry	2046	ND	93.8	70.7-112			
1,3-Dinitrobenzene	1620	200	ug/kg dry	2044	ND	79.1	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg dry	2050	ND	90.6	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg dry	2071	ND	92.9	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg dry	2040	ND	93.7	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg dry	2056	ND	86.6	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg dry	2009	ND	91.1	58-113			
2,3-Dinitrotoluene	1650	200	ug/kg dry	2044	ND	80.5	61.1-127			
2,4,6-Trinitrotoluene	77900	1600	ug/kg dry	2044	91800	NR	38.8-138			MI, D
2,4-Dinitrotoluene	2100	200	ug/kg dry	2044	164	94.6	44.1-133			
2,5-Dinitrotoluene	1750	200	ug/kg dry	2044	ND	85.6	58.3-132			
2,6-Dinitrotoluene	1800	200	ug/kg dry	2044	ND	88.2	52.5-128			
2-Amino-4,6-dinitrotoluene	2050	200	ug/kg dry	2044	519	75.0	18-135			
2-Nitrotoluene	1900	200	ug/kg dry	2044	ND	92.7	73.9-113			
3,4-Dinitrotoluene	1720	200	ug/kg dry	2044	ND	84.1	52.8-120			
3,5-Dinitroaniline	1670	200	ug/kg dry	2044	ND	81.5	22.9-131			
3,5-Dinitrotoluene	1900	200	ug/kg dry	2044	99.0	88.0	59.3-135			
3-Nitrotoluene	1880	200	ug/kg dry	2044	ND	91.8	73.6-116			
4-Amino-2,6-dinitrotoluene	2200	200	ug/kg dry	2044	487	83.7	10-144			
4-Nitrotoluene	1900	200	ug/kg dry	2044	ND	93.1	71.2-114			
Nitrobenzene	1860	200	ug/kg dry	2044	ND	90.8	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1630</i>		<i>ug/kg dry</i>	<i>1986</i>		<i>82.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1810</i>		<i>ug/kg dry</i>	<i>2044</i>		<i>88.5</i>	<i>65.1-116</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 A909227 - EPA 3570

##### Matrix Spike Dup (A909227-MSD1)

Source: A193903-40

Prepared: 09/27/2019 Analyzed: 09/27/2019 18:00

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg dry	2040	ND	89.7	59.9-113	2.48	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg dry	2065	ND	87.8	63.5-111	2.60	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1920	200	ug/kg dry	2043	ND	93.9	67.8-114	1.02	20	
1,2-Dimethyl-4,5-Dinitrobenzene	2000	200	ug/kg dry	2071	ND	96.4	58.4-113	2.57	20	
1,3,5-Trinitrobenzene	1590	200	ug/kg dry	2044	ND	77.6	12.3-150	4.56	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg dry	2065	ND	91.7	63.6-111	1.60	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg dry	2046	ND	94.6	70.7-112	0.862	20	
1,3-Dinitrobenzene	1700	200	ug/kg dry	2044	ND	83.1	32.8-135	4.91	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg dry	2050	ND	90.7	58.1-109	0.0583	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg dry	2071	ND	94.8	64.1-108	2.02	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1900	200	ug/kg dry	2040	ND	92.9	64.3-107	0.839	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg dry	2056	ND	89.7	61.6-112	3.57	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg dry	2009	ND	91.2	58-113	0.106	20	
2,3-Dinitrotoluene	1710	200	ug/kg dry	2044	ND	83.8	61.1-127	3.95	20	
2,4,6-Trinitrotoluene	105000	1600	ug/kg dry	2044	91800	632	38.8-138	29.4	20	M1, D
2,4-Dinitrotoluene	2170	200	ug/kg dry	2044	164	98.3	44.1-133	3.60	20	
2,5-Dinitrotoluene	1830	200	ug/kg dry	2044	ND	89.5	58.3-132	4.49	20	
2,6-Dinitrotoluene	1850	200	ug/kg dry	2044	ND	90.4	52.5-128	2.40	20	
2-Amino-4,6-dinitrotoluene	2120	200	ug/kg dry	2044	519	78.1	18-135	2.98	20	
2-Nitrotoluene	1940	200	ug/kg dry	2044	ND	94.9	73.9-113	2.33	20	
3,4-Dinitrotoluene	1780	200	ug/kg dry	2044	ND	86.9	52.8-120	3.26	20	
3,5-Dinitroaniline	1700	200	ug/kg dry	2044	ND	83.2	22.9-131	2.05	20	
3,5-Dinitrotoluene	1940	200	ug/kg dry	2044	99.0	89.8	59.3-135	1.93	20	
3-Nitrotoluene	1920	200	ug/kg dry	2044	ND	94.0	73.6-116	2.34	20	
4-Amino-2,6-dinitrotoluene	2270	200	ug/kg dry	2044	487	87.1	10-144	3.14	20	
4-Nitrotoluene	1960	200	ug/kg dry	2044	ND	95.9	71.2-114	2.96	20	
Nitrobenzene	1890	200	ug/kg dry	2044	ND	92.5	72.5-112	1.89	20	
Surrogate: 2,2'-Dinitrobiphenyl	1610		ug/kg dry	1986		80.9	11.5-161			
Surrogate: Nitrobenzene-d5	1870		ug/kg dry	2044		91.7	65.1-116			

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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 A909232 - EPA 3570

##### Blank (A909232-BLK1)

Prepared: 09/27/2019 Analyzed: 09/30/2019 20:54

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'-Dinitrophenyl	1070		ug/kg wet	1943		55.0	11.5-161			
Surrogate: Nitrobenzene-d5	1870		ug/kg wet	2000		93.6	65.1-116			

##### LCS (A909232-BS1)

Prepared: 09/27/2019 Analyzed: 09/30/2019 20:23

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg wet	1996		93.6	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020		87.0	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1840	200	ug/kg wet	1999		91.9	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1890	200	ug/kg wet	2026		93.1	68.8-113			
1,3,5-Trinitrobenzene	1690	200	ug/kg wet	2000		84.5	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg wet	2020		91.3	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002		93.3	75-113			
1,3-Dinitrobenzene	1680	200	ug/kg wet	2000		83.9	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg wet	2006		92.1	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2026		92.7	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1840	200	ug/kg wet	1996		92.1	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1880	200	ug/kg wet	2012		93.5	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1810	200	ug/kg wet	1966		91.9	70.2-109			
2,3-Dinitrotoluene	1730	200	ug/kg wet	2000		86.6	64.2-125			

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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 A909232 - EPA 3570

##### LCS (A909232-BS1)

Prepared: 09/27/2019 Analyzed: 09/30/2019 20:23

2,4,6-Trinitrotoluene	1730	200	ug/kg wet	2000		86.7	57.1-139			
2,4-Dinitrotoluene	1920	200	ug/kg wet	2000		95.8	67.4-120			
2,5-Dinitrotoluene	1760	200	ug/kg wet	2000		88.2	62-124			
2,6-Dinitrotoluene	1790	200	ug/kg wet	2000		89.4	74.6-116			
2-Amino-4,6-dinitrotoluene	1700	200	ug/kg wet	2000		85.0	65.9-110			
2-Nitrotoluene	1920	200	ug/kg wet	2000		96.0	76.3-114			
3,4-Dinitrotoluene	1790	200	ug/kg wet	2000		89.6	68.2-117			
3,5-Dinitroaniline	1820	200	ug/kg wet	2000		91.2	61.6-115			
3,5-Dinitrotoluene	1820	200	ug/kg wet	2000		91.2	70.5-120			
3-Nitrotoluene	1890	200	ug/kg wet	2000		94.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1730	200	ug/kg wet	2000		86.5	57.5-113			
4-Nitrotoluene	1920	200	ug/kg wet	2000		96.0	74.8-112			
Nitrobenzene	1940	200	ug/kg wet	2000		97.2	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1890</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>97.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1940</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>97.0</i>	<i>65.1-116</i>			

##### Matrix Spike (A909232-MS1)

Source: A193903-60

Prepared: 09/27/2019 Analyzed: 09/30/2019 21:26

1,2-Dimethyl-3,4-Dinitrobenzene	1930	200	ug/kg dry	2036	ND	94.6	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1820	200	ug/kg dry	2060	ND	88.4	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1940	200	ug/kg dry	2039	ND	95.3	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1900	200	ug/kg dry	2066	ND	92.0	58.4-113			
1,3,5-Trinitrobenzene	1690	200	ug/kg dry	2040	ND	82.9	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1910	200	ug/kg dry	2060	ND	92.7	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg dry	2042	ND	94.8	70.7-112			
1,3-Dinitrobenzene	1720	200	ug/kg dry	2040	ND	84.3	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1880	200	ug/kg dry	2046	ND	92.0	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg dry	2066	ND	94.0	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1920	200	ug/kg dry	2036	ND	94.1	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg dry	2052	ND	93.5	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg dry	2005	ND	93.1	58-113			
2,3-Dinitrotoluene	1750	200	ug/kg dry	2040	ND	85.8	61.1-127			
2,4,6-Trinitrotoluene	1790	200	ug/kg dry	2040	ND	88.0	38.8-138			
2,4-Dinitrotoluene	2020	200	ug/kg dry	2040	ND	98.9	44.1-133			
2,5-Dinitrotoluene	1850	200	ug/kg dry	2040	ND	90.9	58.3-132			
2,6-Dinitrotoluene	1860	200	ug/kg dry	2040	ND	91.0	52.5-128			
2-Amino-4,6-dinitrotoluene	1570	200	ug/kg dry	2040	ND	77.1	18-135			
2-Nitrotoluene	2000	200	ug/kg dry	2040	ND	98.2	73.9-113			
3,4-Dinitrotoluene	1790	200	ug/kg dry	2040	ND	87.6	52.8-120			
3,5-Dinitroaniline	1660	200	ug/kg dry	2040	ND	81.2	22.9-131			
3,5-Dinitrotoluene	1900	200	ug/kg dry	2040	ND	93.0	59.3-135			
3-Nitrotoluene	1980	200	ug/kg dry	2040	ND	97.0	73.6-116			
4-Amino-2,6-dinitrotoluene	1630	200	ug/kg dry	2040	ND	80.1	10-144			
4-Nitrotoluene	1970	200	ug/kg dry	2040	ND	96.5	71.2-114			
Nitrobenzene	2010	200	ug/kg dry	2040	ND	98.7	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1810</i>		<i>ug/kg dry</i>	<i>1982</i>		<i>91.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2000</i>		<i>ug/kg dry</i>	<i>2040</i>		<i>98.3</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A909232 - EPA 3570

##### Matrix Spike Dup (A909232-MSD1)

Source: A193903-60

Prepared: 09/27/2019 Analyzed: 09/30/2019 21:58

1,2-Dimethyl-3,4-Dinitrobenzene	1880	200	ug/kg dry	2036	ND	92.4	59.9-113	2.28	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1830	200	ug/kg dry	2060	ND	88.9	63.5-111	0.586	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1920	200	ug/kg dry	2039	ND	93.9	67.8-114	1.41	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg dry	2066	ND	92.4	58.4-113	0.439	20	
1,3,5-Trinitrobenzene	1690	200	ug/kg dry	2040	ND	82.9	12.3-150	0.0555	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1940	200	ug/kg dry	2060	ND	94.4	63.6-111	1.87	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg dry	2042	ND	95.8	70.7-112	1.00	20	
1,3-Dinitrobenzene	1740	200	ug/kg dry	2040	ND	85.3	32.8-135	1.25	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2046	ND	91.4	58.1-109	0.682	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg dry	2066	ND	92.9	64.1-108	1.18	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg dry	2036	ND	93.9	64.3-107	0.218	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg dry	2052	ND	93.5	61.6-112	0.0468	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg dry	2005	ND	91.4	58-113	1.80	20	
2,3-Dinitrotoluene	1750	200	ug/kg dry	2040	ND	85.8	61.1-127	0.0571	20	
2,4,6-Trinitrotoluene	1800	200	ug/kg dry	2040	ND	88.4	38.8-138	0.493	20	
2,4-Dinitrotoluene	1970	200	ug/kg dry	2040	ND	96.7	44.1-133	2.29	20	
2,5-Dinitrotoluene	1860	200	ug/kg dry	2040	ND	91.2	58.3-132	0.338	20	
2,6-Dinitrotoluene	1850	200	ug/kg dry	2040	ND	90.6	52.5-128	0.429	20	
2-Amino-4,6-dinitrotoluene	1580	200	ug/kg dry	2040	ND	77.7	18-135	0.744	20	
2-Nitrotoluene	2020	200	ug/kg dry	2040	ND	99.0	73.9-113	0.805	20	
3,4-Dinitrotoluene	1800	200	ug/kg dry	2040	ND	88.2	52.8-120	0.720	20	
3,5-Dinitroaniline	1680	200	ug/kg dry	2040	ND	82.5	22.9-131	1.53	20	
3,5-Dinitrotoluene	1900	200	ug/kg dry	2040	ND	93.2	59.3-135	0.218	20	
3-Nitrotoluene	1990	200	ug/kg dry	2040	ND	97.5	73.6-116	0.475	20	
4-Amino-2,6-dinitrotoluene	1680	200	ug/kg dry	2040	ND	82.5	10-144	2.87	20	
4-Nitrotoluene	2020	200	ug/kg dry	2040	ND	99.2	71.2-114	2.83	20	
Nitrobenzene	2050	200	ug/kg dry	2040	ND	100	72.5-112	1.79	20	
Surrogate: 2,2'-Dinitrobiphenyl	1830		ug/kg dry	1982		92.4	11.5-161			
Surrogate: Nitrobenzene-d5	2030		ug/kg dry	2040		99.7	65.1-116			

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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 A910189 - EPA 3570

##### Blank (A910189-BLK1)

Prepared: 10/01/2019 Analyzed: 10/01/2019 18:09

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'-Dinitrophenyl	1040		ug/kg wet	1943		53.5	11.5-161			
Surrogate: Nitrobenzene-d5	2180		ug/kg wet	2000		109	65.1-116			

##### LCS (A910189-BS1)

Prepared: 10/01/2019 Analyzed: 10/01/2019 17:37

1,2-Dimethyl-3,4-Dinitrobenzene	1920	200	ug/kg wet	1996		96.4	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg wet	2020		88.7	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg wet	1999		94.8	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1940	200	ug/kg wet	2026		95.9	68.8-113			
1,3,5-Trinitrobenzene	1860	200	ug/kg wet	2000		93.0	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg wet	2020		92.3	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2002		94.1	75-113			
1,3-Dinitrobenzene	1860	200	ug/kg wet	2000		93.2	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2006		92.6	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg wet	2026		94.1	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1880	200	ug/kg wet	1996		94.0	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg wet	2012		95.4	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg wet	1966		93.8	70.2-109			
2,3-Dinitrotoluene	1780	200	ug/kg wet	2000		89.1	64.2-125			

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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 A910189 - EPA 3570

##### LCS (A910189-BS1)

Prepared: 10/01/2019 Analyzed: 10/01/2019 17:37

2,4,6-Trinitrotoluene	1830	200	ug/kg wet	2000		91.5	57.1-139			
2,4-Dinitrotoluene	2040	200	ug/kg wet	2000		102	67.4-120			
2,5-Dinitrotoluene	1890	200	ug/kg wet	2000		94.7	62-124			
2,6-Dinitrotoluene	1870	200	ug/kg wet	2000		93.3	74.6-116			
2-Amino-4,6-dinitrotoluene	1570	200	ug/kg wet	2000		78.6	65.9-110			
2-Nitrotoluene	2000	200	ug/kg wet	2000		99.9	76.3-114			
3,4-Dinitrotoluene	1870	200	ug/kg wet	2000		93.7	68.2-117			
3,5-Dinitroaniline	1760	200	ug/kg wet	2000		87.8	61.6-115			
3,5-Dinitrotoluene	1920	200	ug/kg wet	2000		96.0	70.5-120			
3-Nitrotoluene	1990	200	ug/kg wet	2000		99.3	77.4-113			
4-Amino-2,6-dinitrotoluene	1470	200	ug/kg wet	2000		73.3	57.5-113			
4-Nitrotoluene	2010	200	ug/kg wet	2000		101	74.8-112			
Nitrobenzene	2090	200	ug/kg wet	2000		104	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1770</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>91.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2130</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>107</i>	<i>65.1-116</i>			

##### Matrix Spike (A910189-MS1)

Source: A193906-19

Prepared: 10/01/2019 Analyzed: 10/01/2019 18:40

1,2-Dimethyl-3,4-Dinitrobenzene	1910	210	ug/kg dry	2047	ND	93.1	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1830	210	ug/kg dry	2071	ND	88.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1990	210	ug/kg dry	2050	ND	97.1	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1930	210	ug/kg dry	2078	ND	92.7	58.4-113			
1,3,5-Trinitrobenzene	1820	210	ug/kg dry	2051	ND	88.9	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1940	210	ug/kg dry	2071	ND	93.6	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1980	210	ug/kg dry	2053	ND	96.3	70.7-112			
1,3-Dinitrobenzene	1840	210	ug/kg dry	2051	ND	89.7	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	210	ug/kg dry	2057	ND	91.0	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	2000	210	ug/kg dry	2078	ND	96.2	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1940	210	ug/kg dry	2047	ND	94.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1890	210	ug/kg dry	2063	ND	91.6	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1910	210	ug/kg dry	2016	ND	94.5	58-113			
2,3-Dinitrotoluene	1770	210	ug/kg dry	2051	ND	86.1	61.1-127			
2,4,6-Trinitrotoluene	2130	210	ug/kg dry	2051	ND	104	38.8-138			
2,4-Dinitrotoluene	2050	210	ug/kg dry	2051	ND	99.9	44.1-133			
2,5-Dinitrotoluene	1920	210	ug/kg dry	2051	ND	93.6	58.3-132			
2,6-Dinitrotoluene	1890	210	ug/kg dry	2051	ND	91.9	52.5-128			
2-Amino-4,6-dinitrotoluene	1490	210	ug/kg dry	2051	ND	72.8	18-135			
2-Nitrotoluene	2090	210	ug/kg dry	2051	ND	102	73.9-113			
3,4-Dinitrotoluene	1840	210	ug/kg dry	2051	ND	89.8	52.8-120			
3,5-Dinitroaniline	1580	210	ug/kg dry	2051	ND	77.0	22.9-131			
3,5-Dinitrotoluene	1970	210	ug/kg dry	2051	ND	96.2	59.3-135			
3-Nitrotoluene	2070	210	ug/kg dry	2051	ND	101	73.6-116			
4-Amino-2,6-dinitrotoluene	1360	210	ug/kg dry	2051	ND	66.3	10-144			
4-Nitrotoluene	2110	210	ug/kg dry	2051	ND	103	71.2-114			
Nitrobenzene	2210	210	ug/kg dry	2051	ND	108	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1710</i>		<i>ug/kg dry</i>	<i>1993</i>		<i>85.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2230</i>		<i>ug/kg dry</i>	<i>2051</i>		<i>109</i>	<i>65.1-116</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 A910189 - EPA 3570

##### Matrix Spike Dup (A910189-MSD1)

Source: A193906-19

Prepared: 10/01/2019 Analyzed: 10/01/2019 19:12

1,2-Dimethyl-3,4-Dinitrobenzene	1940	210	ug/kg dry	2047	ND	95.0	59.9-113	1.95	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	210	ug/kg dry	2071	ND	88.7	63.5-111	0.239	20	
1,2-Dimethyl-3,6-Dinitrobenzene	2040	210	ug/kg dry	2050	ND	99.6	67.8-114	2.50	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1950	210	ug/kg dry	2078	ND	94.0	58.4-113	1.42	20	
1,3,5-Trinitrobenzene	1830	210	ug/kg dry	2051	ND	89.3	12.3-150	0.404	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1970	210	ug/kg dry	2071	ND	95.3	63.6-111	1.79	20	
1,3-Dimethyl-2,5-Dinitrobenzene	2040	210	ug/kg dry	2053	ND	99.5	70.7-112	3.32	20	
1,3-Dinitrobenzene	1910	210	ug/kg dry	2051	ND	93.2	32.8-135	3.77	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1960	210	ug/kg dry	2057	ND	95.1	58.1-109	4.38	20	
1,4-Dimethyl-2,5-Dinitrobenzene	2050	210	ug/kg dry	2078	ND	98.6	64.1-108	2.38	20	
1,4-Dimethyl-2,6-Dinitrobenzene	2000	210	ug/kg dry	2047	ND	97.9	64.3-107	3.40	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1920	210	ug/kg dry	2063	ND	93.0	61.6-112	1.49	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1950	210	ug/kg dry	2016	ND	96.9	58-113	2.52	20	
2,3-Dinitrotoluene	1830	210	ug/kg dry	2051	ND	89.2	61.1-127	3.60	20	
2,4,6-Trinitrotoluene	2220	210	ug/kg dry	2051	ND	108	38.8-138	3.95	20	
2,4-Dinitrotoluene	2160	210	ug/kg dry	2051	ND	105	44.1-133	5.21	20	
2,5-Dinitrotoluene	1980	210	ug/kg dry	2051	ND	96.8	58.3-132	3.35	20	
2,6-Dinitrotoluene	1950	210	ug/kg dry	2051	ND	95.2	52.5-128	3.52	20	
2-Amino-4,6-dinitrotoluene	1520	210	ug/kg dry	2051	ND	74.3	18-135	1.99	20	
2-Nitrotoluene	2100	210	ug/kg dry	2051	ND	102	73.9-113	0.702	20	
3,4-Dinitrotoluene	1920	210	ug/kg dry	2051	ND	93.4	52.8-120	3.99	20	
3,5-Dinitroaniline	1580	210	ug/kg dry	2051	ND	77.3	22.9-131	0.346	20	
3,5-Dinitrotoluene	2010	210	ug/kg dry	2051	ND	97.9	59.3-135	1.75	20	
3-Nitrotoluene	2120	210	ug/kg dry	2051	ND	103	73.6-116	2.41	20	
4-Amino-2,6-dinitrotoluene	1320	210	ug/kg dry	2051	ND	64.4	10-144	2.80	20	
4-Nitrotoluene	2130	210	ug/kg dry	2051	ND	104	71.2-114	0.744	20	
Nitrobenzene	2210	210	ug/kg dry	2051	ND	108	72.5-112	0.00838	20	
Surrogate: 2,2'-Dinitrobiphenyl	1670		ug/kg dry	1993		83.7	11.5-161			
Surrogate: Nitrobenzene-d5	2240		ug/kg dry	2051		109	65.1-116			



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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 A910237 - EPA 3570

##### Blank (A910237-BLK1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:12

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'-Dinitrophenyl	1050	ug/kg wet	1943	54.2	11.5-161
Surrogate: Nitrobenzene-d5	1770	ug/kg wet	2000	88.3	65.1-116

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	1996	91.7	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2020	89.4	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	94.4	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg wet	2026	88.0	68.8-113
1,3,5-Trinitrobenzene	1360	200	ug/kg wet	2000	68.2	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2020	88.5	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002	93.4	75-113
1,3-Dinitrobenzene	1610	200	ug/kg wet	2000	80.5	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2006	94.4	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2026	93.4	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.8	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg wet	2012	88.5	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966	94.3	70.2-109
2,3-Dinitrotoluene	1870	200	ug/kg wet	2000	93.6	64.2-125

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910237 - EPA 3570

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

2,4,6-Trinitrotoluene	1630	200	ug/kg wet	2000		81.6	57.1-139			
2,4-Dinitrotoluene	1900	200	ug/kg wet	2000		95.2	67.4-120			
2,5-Dinitrotoluene	1720	200	ug/kg wet	2000		86.1	62-124			
2,6-Dinitrotoluene	1850	200	ug/kg wet	2000		92.7	74.6-116			
2-Amino-4,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.5	65.9-110			
2-Nitrotoluene	1750	200	ug/kg wet	2000		87.7	76.3-114			
3,4-Dinitrotoluene	1840	200	ug/kg wet	2000		92.1	68.2-117			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000		84.0	61.6-115			
3,5-Dinitrotoluene	1900	200	ug/kg wet	2000		94.9	70.5-120			
3-Nitrotoluene	1790	200	ug/kg wet	2000		89.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1590	200	ug/kg wet	2000		79.7	57.5-113			
4-Nitrotoluene	1850	200	ug/kg wet	2000		92.5	74.8-112			
Nitrobenzene	1890	200	ug/kg wet	2000		94.3	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1600</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>82.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1840</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A910237-MS1)

Source: A193903-48RE1

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:43

1,2-Dimethyl-3,4-Dinitrobenzene	1820	200	ug/kg dry	2029	ND	89.8	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1780	200	ug/kg dry	2053	ND	86.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1920	200	ug/kg dry	2032	ND	94.4	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1900	200	ug/kg dry	2059	ND	92.1	58.4-113			
1,3,5-Trinitrobenzene	1370	200	ug/kg dry	2033	ND	67.2	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg dry	2053	ND	87.8	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg dry	2035	ND	92.3	70.7-112			
1,3-Dinitrobenzene	1520	200	ug/kg dry	2033	ND	74.8	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2039	ND	90.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1900	200	ug/kg dry	2059	ND	92.3	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1880	200	ug/kg dry	2029	ND	92.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg dry	2045	ND	87.0	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1860	200	ug/kg dry	1998	ND	93.3	58-113			
2,3-Dinitrotoluene	1830	200	ug/kg dry	2033	ND	89.8	61.1-127			
2,4,6-Trinitrotoluene	26700	810	ug/kg dry	2033	33600	NR	38.8-138			MI, D
2,4-Dinitrotoluene	1910	200	ug/kg dry	2033	88.6	89.4	44.1-133			
2,5-Dinitrotoluene	1720	200	ug/kg dry	2033	ND	84.6	58.3-132			
2,6-Dinitrotoluene	1810	200	ug/kg dry	2033	ND	88.9	52.5-128			
2-Amino-4,6-dinitrotoluene	2820	200	ug/kg dry	2033	719	104	18-135			
2-Nitrotoluene	1780	200	ug/kg dry	2033	ND	87.4	73.9-113			
3,4-Dinitrotoluene	1830	200	ug/kg dry	2033	ND	90.0	52.8-120			
3,5-Dinitroaniline	1700	200	ug/kg dry	2033	107	78.5	22.9-131			
3,5-Dinitrotoluene	1900	200	ug/kg dry	2033	ND	93.4	59.3-135			
3-Nitrotoluene	1810	200	ug/kg dry	2033	ND	89.2	73.6-116			
4-Amino-2,6-dinitrotoluene	2370	200	ug/kg dry	2033	597	87.3	10-144			
4-Nitrotoluene	1840	200	ug/kg dry	2033	ND	90.7	71.2-114			
Nitrobenzene	1880	200	ug/kg dry	2033	ND	92.4	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1580</i>		<i>ug/kg dry</i>	<i>1975</i>		<i>80.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1810</i>		<i>ug/kg dry</i>	<i>2033</i>		<i>89.2</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910237 - EPA 3570

#### Matrix Spike Dup (A910237-MSD1)

Source: A193903-48RE1

Prepared: 10/10/2019 Analyzed: 10/10/2019 16:15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dimethyl-3,4-Dinitrobenzene	1880	200	ug/kg dry	2029	ND	92.9	59.9-113	3.40	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1800	200	ug/kg dry	2053	ND	87.7	63.5-111	0.968	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1970	200	ug/kg dry	2032	ND	97.1	67.8-114	2.85	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg dry	2059	ND	92.9	58.4-113	0.920	20	
1,3,5-Trinitrobenzene	1400	200	ug/kg dry	2033	ND	68.7	12.3-150	2.16	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg dry	2053	ND	90.2	63.6-111	2.69	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg dry	2035	ND	96.4	70.7-112	4.29	20	
1,3-Dinitrobenzene	1610	200	ug/kg dry	2033	ND	79.4	32.8-135	5.92	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1880	200	ug/kg dry	2039	ND	92.4	58.1-109	1.95	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg dry	2059	ND	95.3	64.1-108	3.21	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1960	200	ug/kg dry	2029	ND	96.6	64.3-107	4.17	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg dry	2045	ND	89.8	61.6-112	3.17	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1920	200	ug/kg dry	1998	ND	96.0	58-113	2.89	20	
2,3-Dinitrotoluene	1870	200	ug/kg dry	2033	ND	91.8	61.1-127	2.19	20	
2,4,6-Trinitrotoluene	17900	810	ug/kg dry	2033	33600	NR	38.8-138	39.4	20	M1, D
2,4-Dinitrotoluene	1990	200	ug/kg dry	2033	88.6	93.5	44.1-133	4.27	20	
2,5-Dinitrotoluene	1840	200	ug/kg dry	2033	ND	90.6	58.3-132	6.83	20	
2,6-Dinitrotoluene	1920	200	ug/kg dry	2033	ND	94.3	52.5-128	5.82	20	
2-Amino-4,6-dinitrotoluene	2780	200	ug/kg dry	2033	719	101	18-135	1.67	20	
2-Nitrotoluene	1780	200	ug/kg dry	2033	ND	87.6	73.9-113	0.141	20	
3,4-Dinitrotoluene	1910	200	ug/kg dry	2033	ND	93.7	52.8-120	3.99	20	
3,5-Dinitroaniline	1700	200	ug/kg dry	2033	107	78.5	22.9-131	0.0132	20	
3,5-Dinitrotoluene	1970	200	ug/kg dry	2033	ND	96.8	59.3-135	3.54	20	
3-Nitrotoluene	1840	200	ug/kg dry	2033	ND	90.3	73.6-116	1.15	20	
4-Amino-2,6-dinitrotoluene	2330	200	ug/kg dry	2033	597	85.3	10-144	1.70	20	
4-Nitrotoluene	1890	200	ug/kg dry	2033	ND	93.1	71.2-114	2.55	20	
Nitrobenzene	1900	200	ug/kg dry	2033	ND	93.6	72.5-112	1.26	20	
Surrogate: 2,2'-Dinitrobiphenyl	1600		ug/kg dry	1975		81.2	11.5-161			
Surrogate: Nitrobenzene-d5	1850		ug/kg dry	2033		90.8	65.1-116			



AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A909217 - % Solids**

<b>Duplicate (A909217-DUP1)</b>	<b>Source: A193903-01</b>		Prepared: 09/26/2019 Analyzed: 09/27/2019 08:00							
% Solids	99.0	0.00	% by Weight		99.1			0.157	20	

**Batch A909228 - % Solids**

<b>Duplicate (A909228-DUP1)</b>	<b>Source: A193903-40</b>		Prepared: 09/27/2019 Analyzed: 09/28/2019 14:20							
% Solids	97.8	0.00	% by Weight		97.8			0.0446	20	

**Batch A909233 - % Solids**

<b>Duplicate (A909233-DUP1)</b>	<b>Source: A193903-60</b>		Prepared: 09/27/2019 Analyzed: 09/28/2019 14:20							
% Solids	98.0	0.00	% by Weight		98.1			0.0529	20	

**Batch A910215 - % Solids**

<b>Duplicate (A910215-DUP1)</b>	<b>Source: A193906-19</b>		Prepared: 10/07/2019 Analyzed: 10/08/2019 13:44							
% Solids	97.5	0.00	% by Weight		97.5			0.00198	20	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

### Notes and Definitions

- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
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# CHAIN OF CUSTODY

No. 11667

Page: 1 of 7

Project Number: 508001/60505619 PO Number:				Lab Work Order #: A193903				Report To: Sharon Nordstrom						
Project Name: Site Investigation - PAJ				Preservation Codes				Company: AECOM						
Project Location (City, State): Barksdale, WI				Analyses Requested				Address 1:						
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				A				Address 2:						
If Rush, Report Due Date:								E-mail Address:						
Sampled By (Print): Joseph Baum				Matrix Total # of Containers NMECS				Invoice To:						
Sample Description								Collection			Company:			
								Date		Time	Address 1:			
								Address 2:			Comments	Lab ID	Lab Receipt Time	
SITG - 190920 - 031 - <sup>S</sup> (0-4')		9/20/19	8:44					S	1	X			01	
SITG - 190920 - 031 - E (0-4')			8:45										02	
SITG - 190920 - 031 - W (0-4')			8:46										03	
SITG - 190920 - 032 - <sup>C</sup> (0-4')			8:47										04	
SITG - 190920 - 032 - E (0-4')			8:48										05	
SITG - 190920 - 032 - W (0-4')			8:49										06	
SITG - 190920 - 033 - <sup>C</sup> (0-4')			8:50						07					
SITG - 190920 - 033 - E (0-4')			8:51						08					
SITG - 190920 - 034 - <sup>C</sup> (0-4')			8:52						09					
SITG - 190920 - 034 - W (0-4')			8:53						10					
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)  <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> FedEx 87628298 8274		Relinquished By: <i>TR</i>		Date: 9/23/19	Time: 1000	Received By: <i>Jessica Edwards</i>	Date: 09-24-19	Time: 1000				
				Relinquished By:		Date:	Time:	Received By:	Date:	Time:				
				Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: FedEx	Receipt Temp: 2.8°C	Thermometer #/ Exp. Date: 1100142274 12-20-19	Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					

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# CHAIN OF CUSTODY

No. 11668

Page: 2 of 7

Project Number: 508001 160505619 PO Number:		Lab Work Order #: A193903		Report To: Sheren Nordstrom																																																	
Project Name: Site Investigation - PAJ		Preservation Codes		Company: AECOM																																																	
Project Location (City, State): Barksdale, W		Analyses Requested		Address 1:																																																	
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">A</td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td> <td colspan="10"></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">N</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">NOCS</td> <td colspan="10"></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);"></td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);"></td> <td colspan="10"></td> </tr> </table>		A												Matrix	Total # of Containers											N	NOCS																							Address 2:	
A																																																					
Matrix	Total # of Containers																																																				
N	NOCS																																																				
If Rush, Report Due Date:				E-mail Address:																																																	
Sampled By (Print): Joseph Baum				Invoice To:																																																	
				Company:																																																	
				Address 1:																																																	
				Address 2:																																																	
Sample Description	Collection		Matrix	Total # of Containers		Comments	Lab ID	Lab Receipt Time																																													
	Date	Time																																																			
SITG-190920-034-S (0-4')	9/20/19	8:54	S	1	X		11																																														
SITG-190920-035- <sup>BC</sup> (0-4')		8:55					12																																														
SITG-190920-035- <sup>C</sup> B-D(0-4')		8:55					13																																														
SITG-190920-035-S (0-4')		8:56					14																																														
SITG-190920-036- <sup>C</sup> B (0-4')		8:57					15																																														
SITG-190920-036-W (0-4')		8:58					16																																														
SITG-190920-036-S (0-4')		8:59					17																																														
SITG-190920-037- <sup>C</sup> B (0-4')		9:00					18																																														
SITG-190920-038- <sup>C</sup> B (0-4')		9:01					19																																														
SITG-190920-039- <sup>C</sup> B (0-4')		9:02					20																																														
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b> Fedex 7762 8298 8274		Relinquished By: <i>MB</i> Date: 9/23/19 Time: 1000		Received By: <i>Jessica E...</i> Date: 09-24-19 Time: 1000																																															
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Relinquished By: Date: Time:		Received By: Date: Time:																																																	
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <i>FedEx</i>		Receipt Temp: <i>2.8°C</i>		Thermometer #/ Exp. Date: <i>1L0142274 12/20/19</i>		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																																													

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# CHAIN OF CUSTODY

No. 11669

Page: 3 of 7

Lab Work Order #: <b>A193903</b>				Report To: <i>Sharon Nordstrom</i>						
				Company: <i>AECOM</i>						
Project Number: <i>508001/60505619</i> PO Number:				Preservation Codes						
Project Name: <i>Site Investigation - PAJ</i>				Analyses Requested						
Project Location (City, State): <i>Bartlesdale, WI</i>				Address 1:						
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				Address 2:						
If Rush, Report Due Date:				E-mail Address:						
Sampled By (Print): <i>Joseph Baum</i>				Invoice To:						
				Company:						
				Address 1:						
				Address 2:						
Sample Description		Collection		Matrix	Total # of Containers	A	NNOCS	Comments	Lab ID	Lab Receipt Time
		Date	Time							
<i>SITG-190920-040-B(0-4)</i>		<i>9/20/19</i>	<i>9:03</i>	<i>S</i>	<i>1</i>	<i>X</i>			<i>21</i>	
<i>SITG-190920-040-W(0-4)</i>			<i>9:04</i>						<i>22</i>	
<i>SITG-190920-040-N(0-4)</i>			<i>9:05</i>						<i>23</i>	
<i>SITG-190920-041-B(0-4)</i>			<i>9:06</i>						<i>24</i>	
<i>SITG-190920-041-B-D(0-4)</i>			<i>9:06</i>						<i>25</i>	
<i>SITG-190920-041-E(0-4)</i>			<i>9:07</i>						<i>26</i>	
<i>SITG-190920-041-N(0-4)</i>			<i>9:08</i>						<i>27</i>	
<i>SITG-190920-042-B(0-4)</i>			<i>9:09</i>						<i>28</i>	
<i>SITG-190920-042-N(0-4)</i>			<i>9:10</i>						<i>29</i>	
<i>SITG-190920-043-B(0-4)</i>		<i>✓</i>	<i>9:11</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>			<i>30</i>	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)  <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Other Comments: <i>Fedex</i> <i>7762 8298 4274</i>		Relinquished By: <i>MB</i>		Date: <i>9/23/19</i>	Time: <i>1000</i>	Received By: <i>Jessica E...</i>	Date: <i>09/24/19</i>	Time: <i>1000</i>
				Relinquished By:		Date:	Time:	Received By:	Date:	Time:
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <i>FedEx</i>		Receipt Temp: <i>2.8°C</i>		Thermometer #/ Exp. Date: <i>1100142274 12-2019</i>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N

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# CHAIN OF CUSTODY

No. 11670

Page: 4 of 7

Project Number: 508001 / 60905619 PO Number:				Lab Work Order #: <b>A193903</b>				Report To: <i>Sharon Nordstrom</i>																						
Project Name: <i>Site Investigation - PAJ</i>				Preservation Codes				Company: <i>AECOM</i>																						
Project Location (City, State): <i>Barkdale, WI</i>				Analyses Requested				Address 1:																						
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				<table border="1" style="width:100%; text-align: center;"> <tr> <td style="width:10%;">A</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">UNOCs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				A										Matrix	Total # of Containers	UNOCs								Address 2:		
A																														
Matrix	Total # of Containers	UNOCs																												
If Rush, Report Due Date:								E-mail Address:																						
Sampled By (Print): <i>Joseph Baum</i>								Invoice To:																						
								Company:																						
								Address 1:																						
								Address 2:																						
Sample Description		Collection		Matrix	Total # of Containers	UNOCs							Comments	Lab ID	Lab Receipt Time															
		Date	Time																											
<i>SITG-190920-045-N(0-4)</i>		<i>9/23/19</i>	<i>9:12</i>	<i>S</i>	<i>1</i>	<i>X</i>								<i>31</i>																
<i>SITG-190920-043-W(0-4)</i>			<i>9:13</i>											<i>32</i>																
<i>SITG-190920-030-X(0-3)</i>			<i>10:45</i>											<i>33</i>																
<i>SITG-190920-016-X(0-3)</i>			<i>10:46</i>											<i>34</i>																
<i>SITG-190920-016-X-12(0-3)</i>			<i>10:46</i>											<i>35</i>																
<i>SITG-190920-017-X(0-3)</i>			<i>10:47</i>											<i>36</i>																
<i>SITG-190920-018-X(0-3)</i>			<i>10:48</i>											<i>37</i>																
<i>SITG-190920-019-X(0-3)</i>			<i>10:49</i>											<i>38</i>																
<i>SITG-190920-020-X(0-3)</i>			<i>10:50</i>											<i>39</i>																
<i>SITG-190920-021-X(0-3)</i>		<i>✓</i>	<i>10:51</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>								<i>40</i>																
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b> <i>Fed EX</i> <i>77624249274</i>		Relinquished By: <i>[Signature]</i> Date: <i>9/23/19</i> Time: <i>1000</i>		Relinquished By: Date: Time:		Received By: <i>[Signature]</i> Date: <i>9-24-19</i> Time: <i>1000</i>		Received By: Date: Time:																				
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <i>Fed Exp</i>		Receipt Temp: <i>2.8°C</i>		Thermometer #/ Exp. Date: <i>1100142274 12-20-19</i>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																				

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**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 7199

Page: 5 of 7

Project Number: 508001 / 60505619				PO Number:				Lab Work Order #: <b>A193903</b>				Report To: <i>Sharon Nordstrom</i>							
Project Name: <i>Site Investigation - PAJ</i>				Project Location (City, State): <i>Barksdale, WI</i>				Preservation Codes				Company: <i>AECOM</i>							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				If Rush, Report Due Date:				Analyses Requested				Address 1:							
Sampled By (Print): <i>Joseph Baum</i>				Matrix				Total # of Containers				Address 2:							
				Matrix Total # of Containers <i>UNOCS</i>				E-mail Address:				Invoice To:							
								Company:				Address 1:							
								Address 2:				Comments							
								Date				Lab ID							
								Time				Lab Receipt Time							
<i>SITG - 190920 - 023 - X(0-3)</i>								<i>9/20/19</i>				<i>10:52</i>				<i>S 1 X</i>			
<i>SITG - 190920 - 024 - X(0-3)</i>												<i>10:53</i>							
<i>SITG - 190920 - 025 - X(0-3)</i>												<i>10:54</i>							
<i>SITG - 190920 - 026 - X(0-3)</i>												<i>10:55</i>							
<i>SITG - 190920 - 027 - X(0-3)</i>												<i>10:56</i>							
<i>SITG - 190920 - 028 - X(0-3)</i>												<i>10:57</i>							
<i>SITG - 190920 - 029 - X(0-3)</i>								<i>10:58</i>											
<i>SITG - 190920 - 031 - X(0-4)</i>								<i>10:59</i>				<i>labeled 0-3' je</i>							
<i>SITG - 190920 - 032 - X(0-4)</i>								<i>11:00</i>											
<i>SITG - 190920 - 035 - X(0-4)</i>								<i>11:01</i>											
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				<b>Other Comments:</b> <i>Fcb EX</i> <i>7762 8298 8274</i>				Relinquished By: <i>MB</i> Date: <i>9/23/19</i> Time: <i>1000</i>				Received By: <i>[Signature]</i> Date: <i>09/24/19</i> Time: <i>1000</i>							
				Relinquished By: Date: Time:				Received By: Date: Time:											
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: <i>Fed Ex</i>				Receipt Temp: <i>2.8 °C</i>				Thermometer #/ Exp. Date: <i>160142274 12-20-19</i>							
								Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N											

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# CHAIN OF CUSTODY

No. 7199

Page: 6 of 7

Project Number: 508001/60905619 PO Number:					Lab Work Order #: <b>A193903</b>					Report To: <u>Sharon Nordstrom</u>																																																																																																																																																																																						
Project Name: <u>Site Investigation - PAJ</u>					Preservation Codes					Company: <u>RECOM</u>																																																																																																																																																																																						
Project Location (City, State): <u>Bartonsdale, WI</u>					Analyses Requested					Address 1:																																																																																																																																																																																						
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush					Matrix Total # of Containers <u>NNOCs</u>					Address 2:																																																																																																																																																																																						
If Rush, Report Due Date:										E-mail Address:																																																																																																																																																																																						
Sampled By (Print): <u>Joseph Baum</u>					<table border="1"> <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">X</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"></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 - 190920 - 036 - X(0-4)</td><td>9/20/19</td><td>11:02</td><td>S</td><td>1</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>51</td><td></td></tr> <tr><td>SITG - 190920 - 041 - X(0-4)</td><td></td><td>11:03</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>52</td><td></td></tr> <tr><td>SITG - 190920 - 042 - X(0-4)</td><td></td><td>11:04</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>53</td><td></td></tr> <tr><td>SITG - 190920 - 042 - X - <sup>(0-4)</sup>D</td><td></td><td>11:04</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>54</td><td></td></tr> <tr><td>SITG - 190920 - 043 - X(0-4)</td><td></td><td>11:05</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>55</td><td></td></tr> <tr><td>SITG - 190920 - 044 - <sup>(0-3)</sup>B</td><td></td><td>13:31</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>labeled "044-C" jar</td><td>56</td><td></td></tr> <tr><td>SITG - 190920 - 044 - <sup>(0-3)</sup>V</td><td></td><td>13:33</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>57</td><td></td></tr> <tr><td>SITG - 190920 - <del>044-B</del> <sup>(0-3)</sup>D</td><td></td><td>13:31</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>time on jar 13:32 jar</td><td>58</td><td></td></tr> <tr><td>SITG - 190920 - 044 - W(0-3)</td><td></td><td>13:34</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>59</td><td></td></tr> <tr><td>SITG - 190920 - 044 - N(0-3)</td><td></td><td>13:35</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>60</td><td></td></tr> </tbody> </table>					Sample Description	Collection		Matrix	Total # of Containers	X								Comments	Lab ID	Lab Receipt Time	Date	Time	SITG - 190920 - 036 - X(0-4)	9/20/19	11:02	S	1	X									51		SITG - 190920 - 041 - X(0-4)		11:03												52		SITG - 190920 - 042 - X(0-4)		11:04												53		SITG - 190920 - 042 - X - <sup>(0-4)</sup> D		11:04												54		SITG - 190920 - 043 - X(0-4)		11:05												55		SITG - 190920 - 044 - <sup>(0-3)</sup> B		13:31											labeled "044-C" jar	56		SITG - 190920 - 044 - <sup>(0-3)</sup> V		13:33												57		SITG - 190920 - <del>044-B</del> <sup>(0-3)</sup> D		13:31											time on jar 13:32 jar	58		SITG - 190920 - 044 - W(0-3)		13:34												59		SITG - 190920 - 044 - N(0-3)		13:35												60		Invoice To:				
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<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)  <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other	<b>Other Comments:</b> FedEx 776282988271	Relinquished By: <u>MB</u>	Date: 9/23/19	Time: 1000	Received By: <u>[Signature]</u>	Date: 09/24/19	Time: 1000
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via: <u>FedEx</u>	Receipt Temp: <u>3.9°C</u>	Thermometer # Exp. Date: <u>1100142274 12/20/19</u>	Temp Blank: <input type="checkbox"/> N	

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# CHAIN OF CUSTODY

No. 7199

Page: 7 of 7

Project Number: 508001/60505619				PO Number:				Lab Work Order #: <b>A193903</b>				Report To: <b>Sharon Nordstrom</b>					
Project Name: <b>Site Investigation - PAJ</b>				Project Location (City, State): <b>Barkdale, WI</b>				Preservation Codes				Company: <b>AECOM</b>					
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				If Rush, Report Due Date:				Analyses Requested				Address 1:					
Sampled By (Print): <b>Joseph Baum</b>				Matrix				Total # of Containers				Address 2:					
Sample Description				Collection		Matrix	Total # of Containers	A	NUOCs					E-mail Address:			
				Date	Time									Invoice To:			
<del>SITC-190920-044-X(0-3)</del>				<del>9/20/19 13:26</del>		S	1	X						Company:			
														Address 1:			
													Address 2:				
										Comments		Lab ID	Lab Receipt Time				
												61					
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				<b>Other Comments:</b> FedEx 7762 8298 8274				Relinquished By: <b>JTB</b>				Date:	Time:	Received By: <b>Jessica [Signature]</b>		Date:	Time:
								Relinquished By:				Date:	Time:	Received By:		Date:	Time:
				Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: <b>FedEx</b>		Receipt Temp: <b>3.9°C</b>		Thermometer #/ Exp. Date: <b>1100142274 12/20/19</b>		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N			

Page 91 of 91 A193903 FINAL 10 12 2019 1452



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

October 12, 2019

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 09/24/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190919-016-C-0-3	A193906-01	Soil	09/19/2019	09/24/2019
SITG-190919-016-N-0-3	A193906-02	Soil	09/19/2019	09/24/2019
SITG-190919-016-S-0-3	A193906-03	Soil	09/19/2019	09/24/2019
SITG-190919-017-C-0-3	A193906-04	Soil	09/19/2019	09/24/2019
SITG-190919-017-N-0-3	A193906-05	Soil	09/19/2019	09/24/2019
SITG-190919-017-S-0-3	A193906-06	Soil	09/19/2019	09/24/2019
SITG-190919-018-C-0-3	A193906-07	Soil	09/19/2019	09/24/2019
SITG-190919-018-N-0-3	A193906-08	Soil	09/19/2019	09/24/2019
SITG-190919-018-S-0-3	A193906-09	Soil	09/19/2019	09/24/2019
SITG-190919-019-C-0-3	A193906-10	Soil	09/19/2019	09/24/2019
SITG-190919-019-N-0-3	A193906-11	Soil	09/19/2019	09/24/2019
SITG-190919-019-S-0-3	A193906-12	Soil	09/19/2019	09/24/2019
SITG-190919-020-C-0-3	A193906-13	Soil	09/19/2019	09/24/2019
SITG-190919-020-N-0-3	A193906-14	Soil	09/19/2019	09/24/2019
SITG-190919-021-C-0-3	A193906-15	Soil	09/19/2019	09/24/2019
SITG-190919-021-N-0-3	A193906-16	Soil	09/19/2019	09/24/2019
SITG-190919-022-C-0-4	A193906-17	Soil	09/19/2019	09/24/2019
SITG-190919-023-C-0-3	A193906-18	Soil	09/19/2019	09/24/2019
SITG-190919-023-N-0-3	A193906-19	Soil	09/19/2019	09/24/2019
SITG-190919-023-S-0-3	A193906-20	Soil	09/19/2019	09/24/2019
SITG-190919-024-C-0-3	A193906-21	Soil	09/19/2019	09/24/2019
SITG-190919-024-N-0-3	A193906-22	Soil	09/19/2019	09/24/2019
SITG-190919-024-S-0-3	A193906-23	Soil	09/19/2019	09/24/2019
SITG-190919-025-C-0-3	A193906-24	Soil	09/19/2019	09/24/2019
SITG-190919-025-N-0-3	A193906-25	Soil	09/19/2019	09/24/2019
SITG-190919-025-S-0-3	A193906-26	Soil	09/19/2019	09/24/2019
SITG-190919-026-C-0-3	A193906-27	Soil	09/19/2019	09/24/2019
SITG-190919-026-N-0-3	A193906-28	Soil	09/19/2019	09/24/2019
SITG-190919-026-S-0-3	A193906-29	Soil	09/19/2019	09/24/2019
SITG-190919-027-C-0-3	A193906-30	Soil	09/19/2019	09/24/2019
SITG-190919-027-N-0-3	A193906-31	Soil	09/19/2019	09/24/2019
SITG-190919-027-S-0-3	A193906-32	Soil	09/19/2019	09/24/2019
SITG-190919-028-C-0-3	A193906-33	Soil	09/19/2019	09/24/2019

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190919-028-N-0-3	A193906-34	Soil	09/19/2019	09/24/2019
SITG-190919-028-S-0-3	A193906-35	Soil	09/19/2019	09/24/2019
SITG-190919-029-C-0-3	A193906-36	Soil	09/19/2019	09/24/2019
SITG-190919-029-N-0-3	A193906-37	Soil	09/19/2019	09/24/2019
SITG-190919-029-W-0-3	A193906-38	Soil	09/19/2019	09/24/2019
SITG-190919-029-S-0-3	A193906-39	Soil	09/19/2019	09/24/2019
SITG-190919-030-C-0-3	A193906-40	Soil	09/19/2019	09/24/2019
SITG-190919-030-N-0-3	A193906-41	Soil	09/19/2019	09/24/2019
SITG-190919-030-E-0-3	A193906-42	Soil	09/19/2019	09/24/2019
SITG-190919-030-S-0-3	A193906-43	Soil	09/19/2019	09/24/2019
SITG-190919-022-C-0-4-D	A193906-44	Soil	09/19/2019	09/24/2019
SITG-190919-029-C-0-3-D	A193906-45	Soil	09/19/2019	09/24/2019

### CASE NARRATIVE

#### **Sample Receipt Information:**

45 samples were received on 09/24/2019. Samples were received at 3.9 degrees Celsius. Samples were received in acceptable condition.

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

#### **Sample Preparation:**

Samples A193906-14, A193906-16, A193906-20 and A193906-34 were re-extracted and re-analyzed for the explosives by GC/MS analysis due to the needed dilutions. The re-extractions are presented in this report as sample numbers A193906-14RE1, A193906-16RE1, A193906-20RE1 and A193906-34RE1.

#### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A193906-01 through A193906-13, A193906-15 and A193906-17 through A193906-19 states that there were low CCV recoveries for 2-amino-4,6-dinitrotoluene, 3,5-dinitroaniline and 4-amino-2,6-dinitrotoluene. The lower control limit is 70% and the lowest recoveries were 53.5%, 58.6 and 42.9%, respectively.

CCV indicates a potential high bias for 4-amino-2,6-dinitrotoluene for samples A193906-32, A193906-33 and A193906-35 through A193906-39. The upper control limit is 130% and the highest recovery was 136%. Any detections are footnoted with an HC. For the samples where results were less than the reporting limit no further action is required.

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-016-C-0-3**

Date Sampled  
**09/19/2019 14:04**

**A193906-01 (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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 21:50	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 43.3 % 11.5-161 10/01/2019 10/01/2019 21:50 EPA 8270D

Surrogate: Nitrobenzene-d5 109 % 65.1-116 10/01/2019 10/01/2019 21:50 EPA 8270D

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	97.4	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-016-N-0-3**

**A193906-02 (Soil)**

Date Sampled  
**09/19/2019 14:05**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:21	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		41.6 %		11.5-161	10/01/2019	10/01/2019 22:21	EPA 8270D	
Surrogate: Nitrobenzene-d5		113 %		65.1-116	10/01/2019	10/01/2019 22:21	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	97.2	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190919-016-S-0-3**

Date Sampled

**A193906-03 (Soil)**

**09/19/2019 14:06**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 22:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		39.4 %		11.5-161	10/01/2019	10/01/2019 22:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		109 %		65.1-116	10/01/2019	10/01/2019 22:53	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	97.1	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-017-C-0-3**

Date Sampled

**A193906-04 (Soil)**

**09/19/2019 14:07**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:24	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		32.5 %		11.5-161	10/01/2019	10/01/2019 23:24	EPA 8270D	
Surrogate: Nitrobenzene-d5		111 %		65.1-116	10/01/2019	10/01/2019 23:24	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	97.4	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-017-N-0-3**

**A193906-05 (Soil)**

Date Sampled  
**09/19/2019 14:08**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/01/2019 23:55	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		32.3 %		11.5-161	10/01/2019	10/01/2019 23:55	EPA 8270D	
Surrogate: Nitrobenzene-d5		110 %		65.1-116	10/01/2019	10/01/2019 23:55	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	96.9	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-017-S-0-3**

Date Sampled  
**09/19/2019 14:09**

**A193906-06 (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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	LC
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 00:27	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.7 %	11.5-161		10/01/2019	10/02/2019 00:27	EPA 8270D	
Surrogate: Nitrobenzene-d5		108 %	65.1-116		10/01/2019	10/02/2019 00:27	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-018-C-0-3**

**A193906-07 (Soil)**

Date Sampled  
**09/19/2019 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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 00:58	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.8 %		11.5-161	10/01/2019	10/02/2019 00:58	EPA 8270D	
Surrogate: Nitrobenzene-d5		111 %		65.1-116	10/01/2019	10/02/2019 00:58	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	97.3	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-018-N-0-3**

**A193906-08 (Soil)**

Date Sampled  
**09/19/2019 14:11**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3200</b>	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>240</b>	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	LC
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>310</b>	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 01:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		60.3 %		11.5-161	10/01/2019	10/02/2019 01:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		113 %		65.1-116	10/01/2019	10/02/2019 01:29	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-018-S-0-3**

**A193906-09 (Soil)**

Date Sampled  
**09/19/2019 14:12**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:01	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		27.5 %		11.5-161	10/01/2019	10/02/2019 02:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		109 %		65.1-116	10/01/2019	10/02/2019 02:01	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-019-C-0-3**

Date Sampled  
**09/19/2019 14:13**

**A193906-10 (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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 02:32	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		28.6 %		11.5-161	10/01/2019	10/02/2019 02:32	EPA 8270D	
Surrogate: Nitrobenzene-d5		109 %		65.1-116	10/01/2019	10/02/2019 02:32	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	97.5	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-019-N-0-3**

**A193906-11 (Soil)**

Date Sampled  
**09/19/2019 14:14**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 04:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		31.4 %		11.5-161	10/01/2019	10/02/2019 04:07	EPA 8270D	
Surrogate: Nitrobenzene-d5		113 %		65.1-116	10/01/2019	10/02/2019 04:07	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	96.7	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-019-S-0-3**

**A193906-12 (Soil)**

**Date Sampled**  
**09/19/2019 14:15**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	LC
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 04:38	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		31.2 %	11.5-161		10/01/2019	10/02/2019 04:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		115 %	65.1-116		10/01/2019	10/02/2019 04:38	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190919-020-C-0-3**

Date Sampled

**A193906-13 (Soil)**

**09/19/2019 14:16**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 05:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		26.3 %		11.5-161	10/01/2019	10/02/2019 05:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		111 %		65.1-116	10/01/2019	10/02/2019 05:09	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	96.9	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190919-020-N-0-3**

Date Sampled

**A193906-14 (Soil)**

09/19/2019 14:17

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

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.8	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	



2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190919-020-N-0-3**

Date Sampled

**A193906-14RE1 (Soil)**

**09/19/2019 14:17**

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>110000</b>	2100	ug/kg dry	10	10/10/2019	10/11/2019 04:49	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>2500</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>2100</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>290</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 19:23	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.3 %		11.5-161	10/10/2019	10/10/2019 19:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.6 %		65.1-116	10/10/2019	10/10/2019 19:23	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-021-C-0-3**

Date Sampled  
**09/19/2019 14:18**

**A193906-15 (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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2300</b>	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>220</b>	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 06:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.8 %		11.5-161	10/01/2019	10/02/2019 06:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		115 %		65.1-116	10/01/2019	10/02/2019 06:12	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

<b>% Solids</b>	<b>97.0</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190919-021-N-0-3**

Date Sampled

**A193906-16 (Soil)**

09/19/2019 14:19

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

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.1	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-021-N-0-3**

Date Sampled

**A193906-16RE1 (Soil)**

**09/19/2019 14:19**

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>36000</b>	2100	ug/kg dry	10	10/10/2019	10/11/2019 05:20	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>580</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>480</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 19:55	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.3 %		11.5-161	10/10/2019	10/10/2019 19:55	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.6 %		65.1-116	10/10/2019	10/10/2019 19:55	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-022-C-0-4**

**A193906-17 (Soil)**

Date Sampled

09/19/2019 14:20

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>9600</b>	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>330</b>	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	LC
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:15	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.6 %		11.5-161	10/01/2019	10/02/2019 07:15	EPA 8270D	
Surrogate: Nitrobenzene-d5		114 %		65.1-116	10/01/2019	10/02/2019 07:15	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-023-C-0-3**

**A193906-18 (Soil)**

Date Sampled  
**09/19/2019 14:21**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	LC
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/01/2019	10/02/2019 07:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		25.1 %		11.5-161	10/01/2019	10/02/2019 07:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		113 %		65.1-116	10/01/2019	10/02/2019 07:46	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	98.1	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190919-023-N-0-3**

Date Sampled

**A193906-19 (Soil)**

**09/19/2019 14:22**

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: A910189**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	LC
2-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	LC
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	LC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/01/2019	10/02/2019 08:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		22.4 %		11.5-161	10/01/2019	10/02/2019 08:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		111 %		65.1-116	10/01/2019	10/02/2019 08:17	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910215**

% Solids	97.5	0.00	% by Weight	1	10/07/2019	10/08/2019 13:44	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190919-023-S-0-3**

Date Sampled

**A193906-20 (Soil)**

09/19/2019 14:23

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

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.7	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-023-S-0-3**

Date Sampled

**A193906-20RE1 (Soil)**

**09/19/2019 14:23**

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>68000</b>	2100	ug/kg dry	10	10/10/2019	10/11/2019 05:52	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>1300</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1100</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.4 %		11.5-161	10/10/2019	10/10/2019 20:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.6 %		65.1-116	10/10/2019	10/10/2019 20:26	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-024-C-0-3**

**A193906-21 (Soil)**

Date Sampled  
**09/19/2019 14:24**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 01:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		38.9 %		11.5-161	10/02/2019	10/04/2019 01:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.4 %		65.1-116	10/02/2019	10/04/2019 01:35	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-024-N-0-3**

**A193906-22 (Soil)**

Date Sampled  
**09/19/2019 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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>310</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>210</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		39.8 %		11.5-161	10/02/2019	10/04/2019 03:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.0 %		65.1-116	10/02/2019	10/04/2019 03:09	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-024-S-0-3**

**A193906-23 (Soil)**

Date Sampled

09/19/2019 14:26

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>560</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>230</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>290</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 03:40	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.1 %		11.5-161	10/02/2019	10/04/2019 03:40	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.5 %		65.1-116	10/02/2019	10/04/2019 03:40	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>96.7</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-025-C-0-3**

**A193906-24 (Soil)**

Date Sampled  
**09/19/2019 14:27**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 04:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		34.9 %		11.5-161	10/02/2019	10/04/2019 04:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.3 %		65.1-116	10/02/2019	10/04/2019 04:12	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

% Solids	96.8	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190919-025-N-0-3**  
**A193906-25 (Soil)**

Date Sampled  
**09/19/2019 14:28**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 04:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		35.0 %		11.5-161	10/02/2019	10/04/2019 04:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.7 %		65.1-116	10/02/2019	10/04/2019 04:43	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

% Solids	97.7	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-025-S-0-3**

Date Sampled

**A193906-26 (Soil)**

**09/19/2019 14:29**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		34.7 %		11.5-161	10/02/2019	10/04/2019 05:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.1 %		65.1-116	10/02/2019	10/04/2019 05:14	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>96.9</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-026-C-0-3**

**A193906-27 (Soil)**

Date Sampled  
**09/19/2019 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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 05:46	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		33.0 %		11.5-161	10/02/2019	10/04/2019 05:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.1 %		65.1-116	10/02/2019	10/04/2019 05:46	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

% Solids	97.5	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-026-N-0-3**

**A193906-28 (Soil)**

Date Sampled  
**09/19/2019 14:31**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1300</b>	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>290</b>	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>410</b>	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		75.5 %		11.5-161	10/02/2019	10/04/2019 06:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.8 %		65.1-116	10/02/2019	10/04/2019 06:17	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.6</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-026-S-0-3**

**A193906-29 (Soil)**

**Date Sampled**  
**09/19/2019 14:32**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/02/2019	10/04/2019 06:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		47.2 %		11.5-161	10/02/2019	10/04/2019 06:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.7 %		65.1-116	10/02/2019	10/04/2019 06:48	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.7</b>	<b>0.00</b>	<b>% by Weight</b>	<b>1</b>	<b>10/07/2019</b>	<b>10/08/2019 13:57</b>	<b>SM 2540B</b>	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-027-C-0-3**

**A193906-30 (Soil)**

Date Sampled  
**09/19/2019 14:33**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		40.5 %		11.5-161	10/02/2019	10/04/2019 07:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.1 %		65.1-116	10/02/2019	10/04/2019 07:19	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

% Solids	97.1	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-027-N-0-3**

**A193906-31 (Soil)**

Date Sampled

09/19/2019 14:34

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 07:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		39.6 %		11.5-161	10/02/2019	10/04/2019 07:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.2 %		65.1-116	10/02/2019	10/04/2019 07:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

% Solids	96.5	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-027-S-0-3**

**A193906-32 (Soil)**

Date Sampled  
**09/19/2019 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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3200</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>230</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>280</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 09:56	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		81.1 %		11.5-161	10/02/2019	10/04/2019 09:56	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.6 %		65.1-116	10/02/2019	10/04/2019 09:56	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>95.9</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-028-C-0-3**

Date Sampled

**A193906-33 (Soil)**

**09/19/2019 14:36**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
<b>1,3,5-Trinitrobenzene</b>	<b>240</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>300</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>210</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>230</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 10:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.5 %	11.5-161		10/02/2019	10/04/2019 10:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.8 %	65.1-116		10/02/2019	10/04/2019 10:28	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190919-028-N-0-3**

Date Sampled

**A193906-34 (Soil)**

09/19/2019 14:37

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

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.3	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-028-N-0-3**

Date Sampled

**A193906-34RE1 (Soil)**

**09/19/2019 14:37**

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>41000</b>	2100	ug/kg dry	10	10/10/2019	10/11/2019 06:23	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>570</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>470</b>	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/10/2019	10/10/2019 20:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.8 %		11.5-161	10/10/2019	10/10/2019 20:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.1 %		65.1-116	10/10/2019	10/10/2019 20:57	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-028-S-0-3**

**A193906-35 (Soil)**

Date Sampled

09/19/2019 14:38

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>520</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>230</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>270</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 11:30	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		92.2 %		11.5-161	10/02/2019	10/04/2019 11:30	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.6 %		65.1-116	10/02/2019	10/04/2019 11:30	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>96.5</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-029-C-0-3**

**A193906-36 (Soil)**

Date Sampled  
**09/19/2019 14:39**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>350</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>220</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>250</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		85.4 %		11.5-161	10/02/2019	10/04/2019 12:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.6 %		65.1-116	10/02/2019	10/04/2019 12:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-029-N-0-3**

**A193906-37 (Soil)**

Date Sampled  
**09/19/2019 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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3900</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>310</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>440</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 12:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		95.5 %		11.5-161	10/02/2019	10/04/2019 12:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		97.6 %		65.1-116	10/02/2019	10/04/2019 12:33	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.0</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-029-W-0-3**

**A193906-38 (Soil)**

Date Sampled

09/19/2019 14:41

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>650</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>250</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>330</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:05	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		86.6 %		11.5-161	10/02/2019	10/04/2019 13:05	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.4 %		65.1-116	10/02/2019	10/04/2019 13:05	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-029-S-0-3**

Date Sampled

**A193906-39 (Soil)**

**09/19/2019 14:42**

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: A910200**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>260</b>	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/02/2019	10/04/2019 13:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		61.4 %		11.5-161	10/02/2019	10/04/2019 13:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.0 %		65.1-116	10/02/2019	10/04/2019 13:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910216**

<b>% Solids</b>	<b>96.4</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 13:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-030-C-0-3**

**A193906-40 (Soil)**

**Date Sampled**

**09/19/2019 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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 22:59	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.9 %		11.5-161	10/05/2019	10/05/2019 22:59	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.8 %		65.1-116	10/05/2019	10/05/2019 22:59	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910217**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 14:07	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-030-N-0-3**

**A193906-41 (Soil)**

Date Sampled  
**09/19/2019 14:01**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/05/2019 23:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		78.0 %		11.5-161	10/05/2019	10/05/2019 23:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.2 %		65.1-116	10/05/2019	10/05/2019 23:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910217**

<b>% Solids</b>	<b>96.8</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 14:07	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-030-E-0-3**

**A193906-42 (Soil)**

Date Sampled  
**09/19/2019 14:02**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.4 %		11.5-161	10/05/2019	10/06/2019 00:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.8 %		65.1-116	10/05/2019	10/06/2019 00:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910217**

<b>% Solids</b>	<b>97.4</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 14:07	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-030-S-0-3**

**A193906-43 (Soil)**

Date Sampled  
**09/19/2019 14:03**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 00:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		70.9 %		11.5-161	10/05/2019	10/06/2019 00:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.5 %		65.1-116	10/05/2019	10/06/2019 00:34	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910217**

<b>% Solids</b>	<b>96.9</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 14:07	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-022-C-0-4-D**

**A193906-44 (Soil)**

Date Sampled  
**09/19/2019 14:20**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3400</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>510</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>260</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 01:05	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		90.0 %		11.5-161	10/05/2019	10/06/2019 01:05	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		65.1-116	10/05/2019	10/06/2019 01:05	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910217**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 14:07	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190919-029-C-0-3-D**

**A193906-45 (Soil)**

Date Sampled

09/19/2019 14:39

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>860</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 01:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.1 %		11.5-161	10/05/2019	10/06/2019 01:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.6 %		65.1-116	10/05/2019	10/06/2019 01:37	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910217**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/07/2019	10/08/2019 14:07	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910189 - EPA 3570**

**Blank (A910189-BLK1)**

Prepared: 10/01/2019 Analyzed: 10/01/2019 18:09

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	1040	ug/kg wet	1943	53.5	11.5-161
Surrogate: Nitrobenzene-d5	2180	ug/kg wet	2000	109	65.1-116

**LCS (A910189-BS1)**

Prepared: 10/01/2019 Analyzed: 10/01/2019 17:37

1,2-Dimethyl-3,4-Dinitrobenzene	1920	200	ug/kg wet	1996	96.4	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg wet	2020	88.7	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg wet	1999	94.8	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1940	200	ug/kg wet	2026	95.9	68.8-113
1,3,5-Trinitrobenzene	1860	200	ug/kg wet	2000	93.0	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg wet	2020	92.3	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2002	94.1	75-113
1,3-Dinitrobenzene	1860	200	ug/kg wet	2000	93.2	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2006	92.6	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg wet	2026	94.1	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1880	200	ug/kg wet	1996	94.0	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg wet	2012	95.4	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg wet	1966	93.8	70.2-109
2,3-Dinitrotoluene	1780	200	ug/kg wet	2000	89.1	64.2-125

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910189 - EPA 3570

##### LCS (A910189-BS1)

Prepared: 10/01/2019 Analyzed: 10/01/2019 17:37

2,4,6-Trinitrotoluene	1830	200	ug/kg wet	2000		91.5	57.1-139			
2,4-Dinitrotoluene	2040	200	ug/kg wet	2000		102	67.4-120			
2,5-Dinitrotoluene	1890	200	ug/kg wet	2000		94.7	62-124			
2,6-Dinitrotoluene	1870	200	ug/kg wet	2000		93.3	74.6-116			
2-Amino-4,6-dinitrotoluene	1570	200	ug/kg wet	2000		78.6	65.9-110			
2-Nitrotoluene	2000	200	ug/kg wet	2000		99.9	76.3-114			
3,4-Dinitrotoluene	1870	200	ug/kg wet	2000		93.7	68.2-117			
3,5-Dinitroaniline	1760	200	ug/kg wet	2000		87.8	61.6-115			
3,5-Dinitrotoluene	1920	200	ug/kg wet	2000		96.0	70.5-120			
3-Nitrotoluene	1990	200	ug/kg wet	2000		99.3	77.4-113			
4-Amino-2,6-dinitrotoluene	1470	200	ug/kg wet	2000		73.3	57.5-113			
4-Nitrotoluene	2010	200	ug/kg wet	2000		101	74.8-112			
Nitrobenzene	2090	200	ug/kg wet	2000		104	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1770</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>91.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2130</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>107</i>	<i>65.1-116</i>			

##### Matrix Spike (A910189-MS1)

Source: A193906-19

Prepared: 10/01/2019 Analyzed: 10/01/2019 18:40

1,2-Dimethyl-3,4-Dinitrobenzene	1910	210	ug/kg dry	2047	ND	93.1	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1830	210	ug/kg dry	2071	ND	88.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1990	210	ug/kg dry	2050	ND	97.1	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1930	210	ug/kg dry	2078	ND	92.7	58.4-113			
1,3,5-Trinitrobenzene	1820	210	ug/kg dry	2051	ND	88.9	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1940	210	ug/kg dry	2071	ND	93.6	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1980	210	ug/kg dry	2053	ND	96.3	70.7-112			
1,3-Dinitrobenzene	1840	210	ug/kg dry	2051	ND	89.7	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	210	ug/kg dry	2057	ND	91.0	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	2000	210	ug/kg dry	2078	ND	96.2	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1940	210	ug/kg dry	2047	ND	94.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1890	210	ug/kg dry	2063	ND	91.6	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1910	210	ug/kg dry	2016	ND	94.5	58-113			
2,3-Dinitrotoluene	1770	210	ug/kg dry	2051	ND	86.1	61.1-127			
2,4,6-Trinitrotoluene	2130	210	ug/kg dry	2051	ND	104	38.8-138			
2,4-Dinitrotoluene	2050	210	ug/kg dry	2051	ND	99.9	44.1-133			
2,5-Dinitrotoluene	1920	210	ug/kg dry	2051	ND	93.6	58.3-132			
2,6-Dinitrotoluene	1890	210	ug/kg dry	2051	ND	91.9	52.5-128			
2-Amino-4,6-dinitrotoluene	1490	210	ug/kg dry	2051	ND	72.8	18-135			
2-Nitrotoluene	2090	210	ug/kg dry	2051	ND	102	73.9-113			
3,4-Dinitrotoluene	1840	210	ug/kg dry	2051	ND	89.8	52.8-120			
3,5-Dinitroaniline	1580	210	ug/kg dry	2051	ND	77.0	22.9-131			
3,5-Dinitrotoluene	1970	210	ug/kg dry	2051	ND	96.2	59.3-135			
3-Nitrotoluene	2070	210	ug/kg dry	2051	ND	101	73.6-116			
4-Amino-2,6-dinitrotoluene	1360	210	ug/kg dry	2051	ND	66.3	10-144			
4-Nitrotoluene	2110	210	ug/kg dry	2051	ND	103	71.2-114			
Nitrobenzene	2210	210	ug/kg dry	2051	ND	108	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1710</i>		<i>ug/kg dry</i>	<i>1993</i>		<i>85.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2230</i>		<i>ug/kg dry</i>	<i>2051</i>		<i>109</i>	<i>65.1-116</i>			

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Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910189 - EPA 3570

##### Matrix Spike Dup (A910189-MSD1)

Source: A193906-19

Prepared: 10/01/2019 Analyzed: 10/01/2019 19:12

1,2-Dimethyl-3,4-Dinitrobenzene	1940	210	ug/kg dry	2047	ND	95.0	59.9-113	1.95	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	210	ug/kg dry	2071	ND	88.7	63.5-111	0.239	20	
1,2-Dimethyl-3,6-Dinitrobenzene	2040	210	ug/kg dry	2050	ND	99.6	67.8-114	2.50	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1950	210	ug/kg dry	2078	ND	94.0	58.4-113	1.42	20	
1,3,5-Trinitrobenzene	1830	210	ug/kg dry	2051	ND	89.3	12.3-150	0.404	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1970	210	ug/kg dry	2071	ND	95.3	63.6-111	1.79	20	
1,3-Dimethyl-2,5-Dinitrobenzene	2040	210	ug/kg dry	2053	ND	99.5	70.7-112	3.32	20	
1,3-Dinitrobenzene	1910	210	ug/kg dry	2051	ND	93.2	32.8-135	3.77	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1960	210	ug/kg dry	2057	ND	95.1	58.1-109	4.38	20	
1,4-Dimethyl-2,5-Dinitrobenzene	2050	210	ug/kg dry	2078	ND	98.6	64.1-108	2.38	20	
1,4-Dimethyl-2,6-Dinitrobenzene	2000	210	ug/kg dry	2047	ND	97.9	64.3-107	3.40	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1920	210	ug/kg dry	2063	ND	93.0	61.6-112	1.49	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1950	210	ug/kg dry	2016	ND	96.9	58-113	2.52	20	
2,3-Dinitrotoluene	1830	210	ug/kg dry	2051	ND	89.2	61.1-127	3.60	20	
2,4,6-Trinitrotoluene	2220	210	ug/kg dry	2051	ND	108	38.8-138	3.95	20	
2,4-Dinitrotoluene	2160	210	ug/kg dry	2051	ND	105	44.1-133	5.21	20	
2,5-Dinitrotoluene	1980	210	ug/kg dry	2051	ND	96.8	58.3-132	3.35	20	
2,6-Dinitrotoluene	1950	210	ug/kg dry	2051	ND	95.2	52.5-128	3.52	20	
2-Amino-4,6-dinitrotoluene	1520	210	ug/kg dry	2051	ND	74.3	18-135	1.99	20	
2-Nitrotoluene	2100	210	ug/kg dry	2051	ND	102	73.9-113	0.702	20	
3,4-Dinitrotoluene	1920	210	ug/kg dry	2051	ND	93.4	52.8-120	3.99	20	
3,5-Dinitroaniline	1580	210	ug/kg dry	2051	ND	77.3	22.9-131	0.346	20	
3,5-Dinitrotoluene	2010	210	ug/kg dry	2051	ND	97.9	59.3-135	1.75	20	
3-Nitrotoluene	2120	210	ug/kg dry	2051	ND	103	73.6-116	2.41	20	
4-Amino-2,6-dinitrotoluene	1320	210	ug/kg dry	2051	ND	64.4	10-144	2.80	20	
4-Nitrotoluene	2130	210	ug/kg dry	2051	ND	104	71.2-114	0.744	20	
Nitrobenzene	2210	210	ug/kg dry	2051	ND	108	72.5-112	0.00838	20	
Surrogate: 2,2'-Dinitrobiphenyl	1670		ug/kg dry	1993		83.7	11.5-161			
Surrogate: Nitrobenzene-d5	2240		ug/kg dry	2051		109	65.1-116			

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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 A910200 - EPA 3570

##### Blank (A910200-BLK1)

Prepared: 10/02/2019 Analyzed: 10/03/2019 22:58

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'-Dinitrophenyl	351		ug/kg wet	1943		18.1	11.5-161			
Surrogate: Nitrobenzene-d5	1130		ug/kg wet	2000		56.5	65.1-116			

##### LCS (A910200-BS1)

Prepared: 10/02/2019 Analyzed: 10/03/2019 23:29

1,2-Dimethyl-3,4-Dinitrobenzene	1810	200	ug/kg wet	1996		90.5	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg wet	2020		87.7	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	2070	200	ug/kg wet	1999		104	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1640	200	ug/kg wet	2026		80.7	68.8-113			
1,3,5-Trinitrobenzene	1440	200	ug/kg wet	2000		72.1	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1940	200	ug/kg wet	2020		96.1	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	2010	200	ug/kg wet	2002		101	75-113			
1,3-Dinitrobenzene	1380	200	ug/kg wet	2000		69.2	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	2070	200	ug/kg wet	2006		103	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	2020	200	ug/kg wet	2026		99.6	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1990	200	ug/kg wet	1996		99.9	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1700	200	ug/kg wet	2012		84.5	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1960	200	ug/kg wet	1966		99.5	70.2-109			
2,3-Dinitrotoluene	1860	200	ug/kg wet	2000		93.0	64.2-125			

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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 A910200 - EPA 3570

##### LCS (A910200-BS1)

Prepared: 10/02/2019 Analyzed: 10/03/2019 23:29

2,4,6-Trinitrotoluene	1730	200	ug/kg wet	2000		86.5	57.1-139			
2,4-Dinitrotoluene	1880	200	ug/kg wet	2000		93.8	67.4-120			
2,5-Dinitrotoluene	1730	200	ug/kg wet	2000		86.7	62-124			
2,6-Dinitrotoluene	1800	200	ug/kg wet	2000		90.1	74.6-116			
2-Amino-4,6-dinitrotoluene	1760	200	ug/kg wet	2000		88.0	65.9-110			
2-Nitrotoluene	1920	200	ug/kg wet	2000		96.1	76.3-114			
3,4-Dinitrotoluene	1870	200	ug/kg wet	2000		93.7	68.2-117			
3,5-Dinitroaniline	1710	200	ug/kg wet	2000		85.3	61.6-115			
3,5-Dinitrotoluene	1880	200	ug/kg wet	2000		94.2	70.5-120			
3-Nitrotoluene	1810	200	ug/kg wet	2000		90.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.5	57.5-113			
4-Nitrotoluene	1820	200	ug/kg wet	2000		90.9	74.8-112			
Nitrobenzene	1840	200	ug/kg wet	2000		92.2	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1710</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>88.0</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1650</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>82.4</i>	<i>65.1-116</i>			

##### Matrix Spike (A910200-MS1)

Source: A193906-39

Prepared: 10/02/2019 Analyzed: 10/04/2019 00:01

1,2-Dimethyl-3,4-Dinitrobenzene	1830	210	ug/kg dry	2070	ND	88.2	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1820	210	ug/kg dry	2095	ND	86.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	2200	210	ug/kg dry	2073	ND	106	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1640	210	ug/kg dry	2101	ND	78.0	58.4-113			
1,3,5-Trinitrobenzene	1420	210	ug/kg dry	2074	ND	68.7	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	2080	210	ug/kg dry	2095	ND	99.5	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	2170	210	ug/kg dry	2076	ND	104	70.7-112			
1,3-Dinitrobenzene	1510	210	ug/kg dry	2074	ND	73.0	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	2180	210	ug/kg dry	2080	ND	105	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	2160	210	ug/kg dry	2101	ND	103	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	2110	210	ug/kg dry	2070	ND	102	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1710	210	ug/kg dry	2086	ND	81.9	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	2080	210	ug/kg dry	2039	ND	102	58-113			
2,3-Dinitrotoluene	1920	210	ug/kg dry	2074	ND	92.4	61.1-127			
2,4,6-Trinitrotoluene	1910	210	ug/kg dry	2074	265	79.5	38.8-138			
2,4-Dinitrotoluene	1960	210	ug/kg dry	2074	ND	94.6	44.1-133			
2,5-Dinitrotoluene	1860	210	ug/kg dry	2074	ND	89.5	58.3-132			
2,6-Dinitrotoluene	1940	210	ug/kg dry	2074	ND	93.6	52.5-128			
2-Amino-4,6-dinitrotoluene	1660	210	ug/kg dry	2074	198	70.7	18-135			
2-Nitrotoluene	2070	210	ug/kg dry	2074	ND	99.6	73.9-113			
3,4-Dinitrotoluene	1930	210	ug/kg dry	2074	ND	93.0	52.8-120			
3,5-Dinitroaniline	1530	210	ug/kg dry	2074	ND	73.9	22.9-131			
3,5-Dinitrotoluene	2020	210	ug/kg dry	2074	ND	97.4	59.3-135			
3-Nitrotoluene	1950	210	ug/kg dry	2074	ND	94.1	73.6-116			
4-Amino-2,6-dinitrotoluene	1760	210	ug/kg dry	2074	ND	85.0	10-144			
4-Nitrotoluene	1950	210	ug/kg dry	2074	ND	94.2	71.2-114			
Nitrobenzene	1970	210	ug/kg dry	2074	ND	94.9	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1720</i>		<i>ug/kg dry</i>	<i>2015</i>		<i>85.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1860</i>		<i>ug/kg dry</i>	<i>2074</i>		<i>89.6</i>	<i>65.1-116</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 A910200 - EPA 3570

##### Matrix Spike Dup (A910200-MSD1)

Source: A193906-39

Prepared: 10/02/2019 Analyzed: 10/04/2019 00:32

1,2-Dimethyl-3,4-Dinitrobenzene	1780	210	ug/kg dry	2070	ND	86.2	59.9-113	2.27	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1790	210	ug/kg dry	2095	ND	85.6	63.5-111	1.60	20	
1,2-Dimethyl-3,6-Dinitrobenzene	2140	210	ug/kg dry	2073	ND	103	67.8-114	2.79	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1610	210	ug/kg dry	2101	ND	76.6	58.4-113	1.82	20	
1,3,5-Trinitrobenzene	1400	210	ug/kg dry	2074	ND	67.5	12.3-150	1.71	20	
1,3-Dimethyl-2,4-Dinitrobenzene	2070	210	ug/kg dry	2095	ND	98.9	63.6-111	0.636	20	
1,3-Dimethyl-2,5-Dinitrobenzene	2090	210	ug/kg dry	2076	ND	101	70.7-112	3.50	20	
1,3-Dinitrobenzene	1530	210	ug/kg dry	2074	ND	73.9	32.8-135	1.22	20	
1,4-Dimethyl-2,3-Dinitrobenzene	2100	210	ug/kg dry	2080	ND	101	58.1-109	3.87	20	
1,4-Dimethyl-2,5-Dinitrobenzene	2100	210	ug/kg dry	2101	ND	100	64.1-108	2.65	20	
1,4-Dimethyl-2,6-Dinitrobenzene	2090	210	ug/kg dry	2070	ND	101	64.3-107	1.14	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1690	210	ug/kg dry	2086	ND	81.1	61.6-112	0.996	20	
1,5-Dimethyl-2,4-Dinitrobenzene	2050	210	ug/kg dry	2039	ND	101	58-113	1.48	20	
2,3-Dinitrotoluene	1870	210	ug/kg dry	2074	ND	90.3	61.1-127	2.23	20	
2,4,6-Trinitrotoluene	2010	210	ug/kg dry	2074	265	84.0	38.8-138	4.73	20	
2,4-Dinitrotoluene	1920	210	ug/kg dry	2074	ND	92.4	44.1-133	2.38	20	
2,5-Dinitrotoluene	1840	210	ug/kg dry	2074	ND	88.7	58.3-132	0.993	20	
2,6-Dinitrotoluene	1900	210	ug/kg dry	2074	ND	91.7	52.5-128	2.08	20	
2-Amino-4,6-dinitrotoluene	1580	210	ug/kg dry	2074	198	66.9	18-135	4.86	20	
2-Nitrotoluene	2090	210	ug/kg dry	2074	ND	101	73.9-113	0.934	20	
3,4-Dinitrotoluene	1910	210	ug/kg dry	2074	ND	92.1	52.8-120	1.07	20	
3,5-Dinitroaniline	1500	210	ug/kg dry	2074	ND	72.2	22.9-131	2.36	20	
3,5-Dinitrotoluene	1960	210	ug/kg dry	2074	ND	94.4	59.3-135	3.11	20	
3-Nitrotoluene	1940	210	ug/kg dry	2074	ND	93.4	73.6-116	0.763	20	
4-Amino-2,6-dinitrotoluene	1860	210	ug/kg dry	2074	ND	89.8	10-144	5.58	20	
4-Nitrotoluene	1950	210	ug/kg dry	2074	ND	94.1	71.2-114	0.0998	20	
Nitrobenzene	1940	210	ug/kg dry	2074	ND	93.6	72.5-112	1.40	20	
Surrogate: 2,2'-Dinitrobiphenyl	1740		ug/kg dry	2015		86.5	11.5-161			
Surrogate: Nitrobenzene-d5	1880		ug/kg dry	2074		90.8	65.1-116			

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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 A910207 - EPA 3570

##### Blank (A910207-BLK1)

Prepared: 10/05/2019 Analyzed: 10/05/2019 21:26

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'-Dinitrophenyl	1630		ug/kg wet	1943		84.0	11.5-161			
Surrogate: Nitrobenzene-d5	1820		ug/kg wet	2000		91.0	65.1-116			

##### LCS (A910207-BS1)

Prepared: 10/05/2019 Analyzed: 10/05/2019 20:54

1,2-Dimethyl-3,4-Dinitrobenzene	1900	200	ug/kg wet	1996	95.1	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020	87.0	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1860	200	ug/kg wet	1999	92.9	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1860	200	ug/kg wet	2026	92.0	68.8-113
1,3,5-Trinitrobenzene	1580	200	ug/kg wet	2000	79.0	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	2020	90.6	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002	93.6	75-113
1,3-Dinitrobenzene	1670	200	ug/kg wet	2000	83.6	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2006	92.9	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2026	91.5	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.5	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg wet	2012	92.9	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966	93.9	70.2-109
2,3-Dinitrotoluene	1820	200	ug/kg wet	2000	91.0	64.2-125

AECOM  
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Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910207 - EPA 3570

##### LCS (A910207-BS1)

Prepared: 10/05/2019 Analyzed: 10/05/2019 20:54

2,4,6-Trinitrotoluene	1800	200	ug/kg wet	2000		90.1	57.1-139			
2,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.3	67.4-120			
2,5-Dinitrotoluene	1750	200	ug/kg wet	2000		87.6	62-124			
2,6-Dinitrotoluene	1860	200	ug/kg wet	2000		92.8	74.6-116			
2-Amino-4,6-dinitrotoluene	1670	200	ug/kg wet	2000		83.4	65.9-110			
2-Nitrotoluene	1860	200	ug/kg wet	2000		92.9	76.3-114			
3,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.4	68.2-117			
3,5-Dinitroaniline	1670	200	ug/kg wet	2000		83.5	61.6-115			
3,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.7	70.5-120			
3-Nitrotoluene	1860	200	ug/kg wet	2000		93.2	77.4-113			
4-Amino-2,6-dinitrotoluene	1690	200	ug/kg wet	2000		84.7	57.5-113			
4-Nitrotoluene	1850	200	ug/kg wet	2000		92.7	74.8-112			
Nitrobenzene	1860	200	ug/kg wet	2000		92.8	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1850</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>95.0</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1860</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>92.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A910207-MS1)

Source: A193930-14

Prepared: 10/05/2019 Analyzed: 10/05/2019 21:57

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg dry	2034	ND	91.2	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg dry	2058	ND	85.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1850	200	ug/kg dry	2037	ND	90.9	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg dry	2064	ND	86.4	58.4-113			
1,3,5-Trinitrobenzene	1470	200	ug/kg dry	2038	ND	72.3	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1880	200	ug/kg dry	2058	ND	91.4	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg dry	2040	ND	94.2	70.7-112			
1,3-Dinitrobenzene	1610	200	ug/kg dry	2038	ND	79.0	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg dry	2044	ND	92.8	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg dry	2064	ND	92.5	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg dry	2034	ND	94.0	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2050	ND	91.1	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg dry	2003	ND	91.9	58-113			
2,3-Dinitrotoluene	1800	200	ug/kg dry	2038	ND	88.2	61.1-127			
2,4,6-Trinitrotoluene	2110	200	ug/kg dry	2038	230	92.1	38.8-138			
2,4-Dinitrotoluene	1790	200	ug/kg dry	2038	ND	88.1	44.1-133			
2,5-Dinitrotoluene	1740	200	ug/kg dry	2038	ND	85.6	58.3-132			
2,6-Dinitrotoluene	1860	200	ug/kg dry	2038	ND	91.3	52.5-128			
2-Amino-4,6-dinitrotoluene	1600	200	ug/kg dry	2038	140	71.6	18-135			
2-Nitrotoluene	1950	200	ug/kg dry	2038	ND	95.9	73.9-113			
3,4-Dinitrotoluene	1760	200	ug/kg dry	2038	ND	86.6	52.8-120			
3,5-Dinitroaniline	1520	200	ug/kg dry	2038	ND	74.4	22.9-131			
3,5-Dinitrotoluene	1820	200	ug/kg dry	2038	ND	89.1	59.3-135			
3-Nitrotoluene	1940	200	ug/kg dry	2038	ND	95.2	73.6-116			
4-Amino-2,6-dinitrotoluene	1660	200	ug/kg dry	2038	146	74.3	10-144			
4-Nitrotoluene	1950	200	ug/kg dry	2038	ND	95.9	71.2-114			
Nitrobenzene	1950	200	ug/kg dry	2038	ND	95.6	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1760</i>		<i>ug/kg dry</i>	<i>1980</i>		<i>88.7</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1920</i>		<i>ug/kg dry</i>	<i>2038</i>		<i>94.4</i>	<i>65.1-116</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 A910207 - EPA 3570

##### Matrix Spike Dup (A910207-MSD1)

Source: A193930-14

Prepared: 10/05/2019 Analyzed: 10/05/2019 22:28

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg dry	2034	ND	92.0	59.9-113	0.900	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg dry	2058	ND	86.7	63.5-111	1.00	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg dry	2037	ND	92.8	67.8-114	2.07	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg dry	2064	ND	86.2	58.4-113	0.292	20	
1,3,5-Trinitrobenzene	1480	200	ug/kg dry	2038	ND	72.5	12.3-150	0.305	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1910	200	ug/kg dry	2058	ND	92.7	63.6-111	1.44	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg dry	2040	ND	93.6	70.7-112	0.701	20	
1,3-Dinitrobenzene	1620	200	ug/kg dry	2038	ND	79.5	32.8-135	0.621	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg dry	2044	ND	93.0	58.1-109	0.195	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1900	200	ug/kg dry	2064	ND	92.1	64.1-108	0.507	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg dry	2034	ND	93.1	64.3-107	0.957	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg dry	2050	ND	92.8	61.6-112	1.84	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2003	ND	91.0	58-113	0.927	20	
2,3-Dinitrotoluene	1830	200	ug/kg dry	2038	ND	89.6	61.1-127	1.56	20	
2,4,6-Trinitrotoluene	2900	200	ug/kg dry	2038	230	131	38.8-138	31.7	20	X
2,4-Dinitrotoluene	1770	200	ug/kg dry	2038	ND	87.0	44.1-133	1.20	20	
2,5-Dinitrotoluene	1740	200	ug/kg dry	2038	ND	85.4	58.3-132	0.164	20	
2,6-Dinitrotoluene	1870	200	ug/kg dry	2038	ND	91.8	52.5-128	0.539	20	
2-Amino-4,6-dinitrotoluene	1710	200	ug/kg dry	2038	140	77.1	18-135	6.73	20	
2-Nitrotoluene	1960	200	ug/kg dry	2038	ND	96.0	73.9-113	0.0845	20	
3,4-Dinitrotoluene	1750	200	ug/kg dry	2038	ND	85.7	52.8-120	1.07	20	
3,5-Dinitroaniline	1600	200	ug/kg dry	2038	ND	78.7	22.9-131	5.59	20	
3,5-Dinitrotoluene	1790	200	ug/kg dry	2038	ND	88.0	59.3-135	1.29	20	
3-Nitrotoluene	1940	200	ug/kg dry	2038	ND	95.3	73.6-116	0.0682	20	
4-Amino-2,6-dinitrotoluene	1820	200	ug/kg dry	2038	146	82.4	10-144	9.44	20	
4-Nitrotoluene	1950	200	ug/kg dry	2038	ND	95.8	71.2-114	0.101	20	
Nitrobenzene	1930	200	ug/kg dry	2038	ND	94.7	72.5-112	0.910	20	
Surrogate: 2,2'-Dinitrobiphenyl	1830		ug/kg dry	1980		92.6	11.5-161			
Surrogate: Nitrobenzene-d5	1920		ug/kg dry	2038		94.4	65.1-116			

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Project Number: 60505619  
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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 A910237 - EPA 3570

##### Blank (A910237-BLK1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:12

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'-Dinitrophenyl	1050	ug/kg wet	1943	54.2	11.5-161
Surrogate: Nitrobenzene-d5	1770	ug/kg wet	2000	88.3	65.1-116

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	1996	91.7	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2020	89.4	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	94.4	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg wet	2026	88.0	68.8-113
1,3,5-Trinitrobenzene	1360	200	ug/kg wet	2000	68.2	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2020	88.5	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002	93.4	75-113
1,3-Dinitrobenzene	1610	200	ug/kg wet	2000	80.5	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2006	94.4	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2026	93.4	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.8	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg wet	2012	88.5	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966	94.3	70.2-109
2,3-Dinitrotoluene	1870	200	ug/kg wet	2000	93.6	64.2-125

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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 A910237 - EPA 3570

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

2,4,6-Trinitrotoluene	1630	200	ug/kg wet	2000		81.6	57.1-139			
2,4-Dinitrotoluene	1900	200	ug/kg wet	2000		95.2	67.4-120			
2,5-Dinitrotoluene	1720	200	ug/kg wet	2000		86.1	62-124			
2,6-Dinitrotoluene	1850	200	ug/kg wet	2000		92.7	74.6-116			
2-Amino-4,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.5	65.9-110			
2-Nitrotoluene	1750	200	ug/kg wet	2000		87.7	76.3-114			
3,4-Dinitrotoluene	1840	200	ug/kg wet	2000		92.1	68.2-117			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000		84.0	61.6-115			
3,5-Dinitrotoluene	1900	200	ug/kg wet	2000		94.9	70.5-120			
3-Nitrotoluene	1790	200	ug/kg wet	2000		89.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1590	200	ug/kg wet	2000		79.7	57.5-113			
4-Nitrotoluene	1850	200	ug/kg wet	2000		92.5	74.8-112			
Nitrobenzene	1890	200	ug/kg wet	2000		94.3	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1600</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>82.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1840</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A910237-MS1)

Source: A193903-48RE1

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:43

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg wet	1996	ND	89.8	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020	ND	86.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	ND	94.4	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.1	58.4-113			
1,3,5-Trinitrobenzene	1340	200	ug/kg wet	2000	ND	67.2	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.8	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2002	ND	92.3	70.7-112			
1,3-Dinitrobenzene	1500	200	ug/kg wet	2000	ND	74.8	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg wet	2006	ND	90.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.3	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg wet	2012	ND	87.0	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	1966	ND	93.3	58-113			
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	89.8	61.1-127			
2,4,6-Trinitrotoluene	26300	800	ug/kg wet	2000	33000	NR	38.8-138			MI, D
2,4-Dinitrotoluene	1880	200	ug/kg wet	2000	87.2	89.4	44.1-133			
2,5-Dinitrotoluene	1690	200	ug/kg wet	2000	ND	84.6	58.3-132			
2,6-Dinitrotoluene	1780	200	ug/kg wet	2000	ND	88.9	52.5-128			
2-Amino-4,6-dinitrotoluene	2780	200	ug/kg wet	2000	707	104	18-135			
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.4	73.9-113			
3,4-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	90.0	52.8-120			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131			
3,5-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.4	59.3-135			
3-Nitrotoluene	1780	200	ug/kg wet	2000	ND	89.2	73.6-116			
4-Amino-2,6-dinitrotoluene	2330	200	ug/kg wet	2000	587	87.3	10-144			
4-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.7	71.2-114			
Nitrobenzene	1850	200	ug/kg wet	2000	ND	92.4	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1560</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>80.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.2</i>	<i>65.1-116</i>			

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Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910237 - EPA 3570

##### Matrix Spike Dup (A910237-MSD1)

Source: A193903-48RE1 Prepared: 10/10/2019 Analyzed: 10/10/2019 16:15

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.9	59.9-113	3.40	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.7	63.5-111	0.968	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1940	200	ug/kg wet	1999	ND	97.1	67.8-114	2.85	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1880	200	ug/kg wet	2026	ND	92.9	58.4-113	0.920	20	
1,3,5-Trinitrobenzene	1370	200	ug/kg wet	2000	ND	68.7	12.3-150	2.16	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg wet	2020	ND	90.2	63.6-111	2.69	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2002	ND	96.4	70.7-112	4.29	20	
1,3-Dinitrobenzene	1590	200	ug/kg wet	2000	ND	79.4	32.8-135	5.92	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg wet	2006	ND	92.4	58.1-109	1.95	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2026	ND	95.3	64.1-108	3.21	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1930	200	ug/kg wet	1996	ND	96.6	64.3-107	4.17	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg wet	2012	ND	89.8	61.6-112	3.17	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg wet	1966	ND	96.0	58-113	2.89	20	
2,3-Dinitrotoluene	1840	200	ug/kg wet	2000	ND	91.8	61.1-127	2.19	20	
2,4,6-Trinitrotoluene	17600	800	ug/kg wet	2000	33000	NR	38.8-138	39.4	20	D, M1
2,4-Dinitrotoluene	1960	200	ug/kg wet	2000	87.2	93.5	44.1-133	4.27	20	
2,5-Dinitrotoluene	1810	200	ug/kg wet	2000	ND	90.6	58.3-132	6.83	20	
2,6-Dinitrotoluene	1890	200	ug/kg wet	2000	ND	94.3	52.5-128	5.82	20	
2-Amino-4,6-dinitrotoluene	2730	200	ug/kg wet	2000	707	101	18-135	1.67	20	
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.6	73.9-113	0.141	20	
3,4-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.7	52.8-120	3.99	20	
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131	0.0131	20	
3,5-Dinitrotoluene	1940	200	ug/kg wet	2000	ND	96.8	59.3-135	3.54	20	
3-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.3	73.6-116	1.15	20	
4-Amino-2,6-dinitrotoluene	2290	200	ug/kg wet	2000	587	85.3	10-144	1.70	20	
4-Nitrotoluene	1860	200	ug/kg wet	2000	ND	93.1	71.2-114	2.55	20	
Nitrobenzene	1870	200	ug/kg wet	2000	ND	93.6	72.5-112	1.26	20	
Surrogate: 2,2'-Dinitrobiphenyl	1580		ug/kg wet	1943		81.2	11.5-161			
Surrogate: Nitrobenzene-d5	1820		ug/kg wet	2000		90.8	65.1-116			



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 608.221.4889 Fax

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A910215 - % Solids**

<b>Duplicate (A910215-DUP1)</b>		<b>Source: A193906-19</b>		Prepared: 10/07/2019 Analyzed: 10/08/2019 13:44						
% Solids	97.5	0.00	% by Weight		97.5			0.00198	20	

**Batch A910216 - % Solids**

<b>Duplicate (A910216-DUP1)</b>		<b>Source: A193906-39</b>		Prepared: 10/07/2019 Analyzed: 10/08/2019 13:57						
% Solids	96.4	0.00	% by Weight		96.4			0.00833	20	

**Batch A910217 - % Solids**

<b>Duplicate (A910217-DUP1)</b>		<b>Source: A193906-40</b>		Prepared: 10/07/2019 Analyzed: 10/08/2019 14:07						
% Solids	97.1	0.00	% by Weight		97.1			0.0230	20	

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Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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.
- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- HC Results may be biased high because of high continuing calibration verification (CCV).
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



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# CHAIN OF CUSTODY

No. 7199

Page: 1 of 5

Project Number: 508001/60505619		PO Number:		Lab Work Order #: A193906		Report To: Sharon Nerdstrom	
Project Name: Site Investigation - PAT		Project Location (City, State): Barkedale, WI		Preservation Codes		Company: Aecom	
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		If Rush, Report Due Date:		Analyses Requested		Address 1:	
Sampled By (Print): Joseph Baum		Matrix		Total # of Containers		Address 2:	
Sample Description		Collection		Matrix	Total # of Containers	NNOCS	E-mail Address:
		Date	Time				
SITG-190919-016- <sup>fb</sup> BC(0-3')		9/19/19	14:04	S	1	X	Company:
SITG-190919-016- <sup>N</sup> <del>BC</del> NTV(0-3')			14:05				Address 1:
SITG-190919-016-S(0-3')			14:06				Address 2:
SITG-190919-017- <sup>fb</sup> BC(0-3')			14:07				Comments
SITG-190919-017-N(0-3')			14:08				Lab ID
SITG-190919-017-S(0-3')			14:09				Lab Receipt Time
SITG-190919-018- <sup>fb</sup> BC(0-3')			14:10				
SITG-190919-018-N(0-3')			14:11				
SITG-190919-018-S(0-3')			14:12				
SITG-190919-019- <sup>c</sup> <del>BC</del> NTV(0-3')			14:13				
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)  <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> Fedex 7762 8298 8274		Relinquished By: <i>MB</i> Date: 9/23/19 Time: 1000		Received By: <i>[Signature]</i> Date: 09-24-19 Time: 1000	
		Relinquished By: Date: Time:		Received By: Date: Time:			
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <i>FedEx</i>		Receipt Temp: 3.9°C		Thermometer #/ Exp. Date: <i>SIN160142274</i>	
				Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			

Exp. 12-20-19



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# CHAIN OF CUSTODY

No. 7199

Page: 2 of 5

Project Number: 508001 / 60505619 PO Number:				Lab Work Order #: <b>A193906</b>				Report To: <b>Sharon Nordstrom</b>																																	
Project Name: <b>Site Investigation - PAJ</b>				Preservation Codes				Company: <b>AECOM</b>																																	
Project Location (City, State): <b>Barkdale, WI</b>				Analyses Requested				Address 1:																																	
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td colspan="10" style="text-align: center;">A</td> </tr> </table>														A										Address 2:													
A																																									
If Rush, Report Due Date:				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td colspan="10" style="text-align: center;">NNOCS</td> </tr> </table>														NNOCS										E-mail Address:													
NNOCS																																									
Sampled By (Print): <b>Joseph Baum</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td colspan="10" style="text-align: center;">Matrix</td> </tr> <tr> <td colspan="10" style="text-align: center;">Total # of Containers</td> </tr> </table>														Matrix										Total # of Containers										Invoice To:			
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Sample Description				Collection				Company:																																	
								Address 1:																																	
Date				Time				Address 2:																																	
								Comments				Lab ID	Lab Receipt Time																												
SITG - 190919 - 019 - N(0-3)		9/19/19		14:14		S	1	X				11																													
SITG - 190919 - 019 - S(0-3)				14:15								12																													
SITG - 190919 - 020 - <del>B</del> C(0-3)				14:16								13																													
SITG - 190919 - 020 - N(0-3)				14:17								14																													
SITG - 190919 - 021 - <del>B</del> C(0-3)				14:18								15																													
SITG - 190919 - 021 - N(0-3)				14:19								16																													
SITG - 190919 - 022 - <del>B</del> C(0-4)				14:20								17																													
SITG - 190919 - 023 - <del>B</del> C(0-3)				14:21								18																													
SITG - 190919 - 023 - N(0-3)				14:22								19																													
SITG - 190919 - 023 - S(0-3)				14:23								20																													
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)  <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				<b>Other Comments:</b> Fedex 7762 8298 8274				Relinquished By: <i>[Signature]</i>		Date: 9/23/19	Time: 1000	Received By: <i>[Signature]</i>		Date: 09-24-19	Time: 1000																										
								Relinquished By:		Date:	Time:	Received By:		Date:	Time:																										
				Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <b>FEDEX</b>		Receipt Temp: <b>3.9°C</b>		Thermometer #/ Exp. Date: <b>110042274 12-20-19</b>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																													

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# CHAIN OF CUSTODY

No. 7199

Page: 3 of 5

Project Number: <u>508001/60505619</u> PO Number:		Lab Work Order #: <u>A193906</u>		Report To: <u>Sharon Nordstrom</u>																															
Project Name: <u>Site Investigation - PAI</u>		Preservation Codes		Company: <u>AECOM</u>																															
Project Location (City, State): <u>Barkdale, WI</u>		Analyses Requested		Address 1:																															
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		<table border="1" style="width:100%; text-align: center;"> <tr><td style="width:10%;">A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td><td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td style="writing-mode: vertical-rl; transform: rotate(180deg);">MNOCS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>		A										Matrix	Total # of Containers										MNOCS									Address 2:	
A																																			
Matrix	Total # of Containers																																		
	MNOCS																																		
If Rush, Report Due Date:		E-mail Address:		Invoice To:																															
Sampled By (Print): <u>Joseph Baum</u>		Company:		Address 1:																															
		Address 2:		Address 2:																															
Sample Description		Collection		Matrix	Total # of Containers	Comments	Lab ID	Lab Receipt Time																											
		Date	Time																																
<u>SITG-190919-024-B(0-3)</u>		<u>9/19/19</u>	<u>14:24</u>	<u>S</u>	<u>1</u>	<u>X</u>		<u>21</u>																											
<u>SITG-190919-024-N(0-3)</u>			<u>14:25</u>					<u>22</u>																											
<u>SITG-190919-024-S(0-3)</u>			<u>14:26</u>					<u>23</u>																											
<u>SITG-190919-025-B(0-3)</u>			<u>14:27</u>					<u>24</u>																											
<u>SITG-190919-025-N(0-3)</u>			<u>14:28</u>					<u>25</u>																											
<u>SITG-190919-025-S(0-3)</u>			<u>14:29</u>					<u>26</u>																											
<u>SITG-190919-026-B(0-3)</u>			<u>14:30</u>					<u>27</u>																											
<u>SITG-190919-026-N(0-3)</u>			<u>14:31</u>					<u>28</u>																											
<u>SITG-190919-026-S(0-3)</u>			<u>14:32</u>					<u>29</u>																											
<u>SITG-190919-027-B(0-3)</u>			<u>14:33</u>					<u>30</u>																											
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)  <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Other Comments: <u>Fedex</u> <u>7762 8298 8274</u>		Relinquished By: <u>[Signature]</u>		Date: <u>9/23/19</u>	Time: <u>1000</u>	Received By: <u>[Signature]</u>	Date: <u>09/24/19</u>	Time: <u>1000</u>																									
		Relinquished By:		Date:	Time:	Received By:	Date:	Time:																											
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>FedEx</u>		Receipt Temp: <u>3.9°C</u>		Thermometer #/ Exp. Date: <u>1100142274 12-20-19</u>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																									

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# CHAIN OF CUSTODY

No. 7199

Page: 4 of 5

Project Number: 508001/60505619				PO Number:				Lab Work Order #: A193906				Report To: Sharon Nordstrom					
Project Name: Site Investigation - PAJ				Project Location (City, State): Barksdale, WI				Preservation Codes				Company: AECOM					
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				If Rush, Report Due Date:				Analyses Requested				Address 1:					
Sampled By (Print): Joseph Baum				Matrix				Total # of Containers				Address 2:					
				NOC5								E-mail Address:					
												Invoice To:					
												Company:					
												Address 1:					
												Address 2:					
Sample Description		Collection		Matrix	Total # of Containers	NOC5								Comments	Lab ID	Lab Receipt Time	
		Date	Time														
SITG-190919-027-N(0-3)		9/19/19	14:34	S	1	X									31		
SITG-190919-027-S(0-3)			14:35												32		
SITG-190919-028-B(0-3)			14:36												33		
SITG-190919-028-N(0-3)			14:37												34		
SITG-190919-028-S(0-3)			14:38												35		
SITG-190919-029-B(0-3)			14:39										labeled as dup		36		
SITG-190919-029-N(0-3)			14:40												37		
SITG-190919-029-W(0-3)			14:41												38		
SITG-190919-029-S(0-3)			14:42												39		
SITG-190919-030-B(0-3)			14:43												40		
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b> Fed Ex 7762 42988274		Relinquished By: <i>[Signature]</i>				Date: 9/23/19		Time: 1000		Received By: <i>[Signature]</i>		Date: 09-24-19		Time: 1000	
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: Fed Ex		Receipt Temp: 3.9°C		Thermometer #/ Exp. Date: 1100142274 12-20-19		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N					

Page 70 of 71 A193906 FINAL 10 12 2019 1503



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# CHAIN OF CUSTODY

No. 7199

Page: 5 of 5

Project Number: 5080016050SG19 PO Number:				Lab Work Order #: A193906				Report To: Sharon Nordstrom							
Project Name: Site Investigation - PA5				Preservation Codes				Company: AECOM							
Project Location (City, State): Barksdale, WI				Analyses Requested				Address 1:							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				Matrix Total # of Containers MNOCS				Address 2:							
If Rush, Report Due Date:								E-mail Address:							
Sampled By (Print): Joseph Baum								Invoice To:							
								Company:							
								Address 1:							
								Address 2:							
Sample Description		Collection													
		Date	Time								Matrix			Total # of Containers	Comments
SITG - 190919 - 030 - N(0-3')		9/19/19	14:01	S	1	X				41					
SITG - 190919 - 030 - E(0-3')		↓	14:02	↓	↓	↓				42					
SITG - 190919 - 030 - S(0-3')		↓	14:03	↓	↓	↓				43					
SITG - 190919 - 025 - <del>S</del> - D(0-4')		↓	14:20	↓	↓	↓				44					
SITG - 190919 - 029 - <del>S</del> - D(0-3')		↓	14:39	↓	↓	↓				45					
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> FedEx 7762 6298 6274		Relinquished By: <i>NR</i>		Date: 9/23/19		Time: 1000		Received By: <i>[Signature]</i>		Date: 09-24-19		Time: 1000	
				Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: FedEx		Receipt Temp: 3.9°C		Thermometer #/ Exp. Date: 1100142274 12-2019		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					

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Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

October 12, 2019

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 09/27/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190924-045-X-0-4	A193930-01	Soil	09/24/2019	09/27/2019
SITG-190924-045-C-0-4	A193930-02	Soil	09/24/2019	09/27/2019
SITG-190924-045-C-0-4-D	A193930-03	Soil	09/24/2019	09/27/2019
SITG-190924-045-N-0-4	A193930-04	Soil	09/24/2019	09/27/2019
SITG-190924-045-S-0-4	A193930-05	Soil	09/24/2019	09/27/2019
SITG-190924-046-X-0-4	A193930-06	Soil	09/24/2019	09/27/2019
SITG-190924-046-C-0-4	A193930-07	Soil	09/24/2019	09/27/2019
SITG-190924-046-N-0-4	A193930-08	Soil	09/24/2019	09/27/2019
SITG-190924-046-S-0-4	A193930-09	Soil	09/24/2019	09/27/2019
SITG-190924-047-X-0-4	A193930-10	Soil	09/24/2019	09/27/2019
SITG-190924-047-C-0-4	A193930-11	Soil	09/24/2019	09/27/2019
SITG-190924-047-N-0-4	A193930-12	Soil	09/24/2019	09/27/2019
SITG-190924-047-S-0-4	A193930-13	Soil	09/24/2019	09/27/2019
SITG-190924-048-X-0-4	A193930-14	Soil	09/24/2019	09/27/2019
SITG-190924-048-C-0-4	A193930-15	Soil	09/24/2019	09/27/2019
SITG-190924-048-N-0-4	A193930-16	Soil	09/24/2019	09/27/2019
SITG-190924-048-S-0-4	A193930-17	Soil	09/24/2019	09/27/2019
SITG-190924-049-X-0-4	A193930-18	Soil	09/24/2019	09/27/2019
SITG-190924-049-N-0-4	A193930-19	Soil	09/24/2019	09/27/2019
SITG-190924-049-C-0-4	A193930-20	Soil	09/24/2019	09/27/2019
SITG-190924-049-S-0-4	A193930-21	Soil	09/24/2019	09/27/2019
SITG-190924-050-X-0-4	A193930-22	Soil	09/24/2019	09/27/2019
SITG-190924-050-C-0-4	A193930-23	Soil	09/24/2019	09/27/2019
SITG-190924-050-C-0-4-D	A193930-24	Soil	09/24/2019	09/27/2019
SITG-190924-050-N-0-4	A193930-25	Soil	09/24/2019	09/27/2019
SITG-190924-050-S-0-4	A193930-26	Soil	09/24/2019	09/27/2019
SITG-190924-051-X-0-3	A193930-27	Soil	09/24/2019	09/27/2019
SITG-190924-051-C-0-3	A193930-28	Soil	09/24/2019	09/27/2019
SITG-190924-051-N-0-3	A193930-29	Soil	09/24/2019	09/27/2019
SITG-190924-051-S-0-3	A193930-30	Soil	09/24/2019	09/27/2019
SITG-190924-051-W-0-3	A193930-31	Soil	09/24/2019	09/27/2019
SITG-190924-045-E-0-4	A193930-32	Soil	09/24/2019	09/27/2019

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

## **CASE NARRATIVE**

### **Sample Receipt Information:**

32 samples were received on 09/27/2019. Samples were received at 2.6 degrees Celsius. Samples were received in acceptable condition.

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

### **Sample Preparation:**

Sample A193930-26 was re-extracted and re-analyzed for the explosives by GC/MS analysis due to the needed dilution. The re-extraction is presented in this report as sample number A193930-26RE1.



2525 Advance Road  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-045-X-0-4**

Date Sampled  
**09/24/2019 14:30**

**A193930-01 (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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>8300</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>250</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:11	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	84.0 %	11.5-161	10/05/2019	10/06/2019 03:11	EPA 8270D
Surrogate: Nitrobenzene-d5	90.1 %	65.1-116	10/05/2019	10/06/2019 03:11	EPA 8270D

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-045-C-0-4**

Date Sampled

**A193930-02 (Soil)**

**09/24/2019 14:31**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>250</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 03:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.2 %		11.5-161	10/05/2019	10/06/2019 03:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.4 %		65.1-116	10/05/2019	10/06/2019 03:43	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-045-C-0-4-D**

**A193930-03 (Soil)**

**Date Sampled**

**09/24/2019 14:31**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2400</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>260</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>330</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		86.2 %		11.5-161	10/05/2019	10/06/2019 04:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.4 %		65.1-116	10/05/2019	10/06/2019 04:14	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.4</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-045-N-0-4**

**A193930-04 (Soil)**

Date Sampled

09/24/2019 14:33

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>11000</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>290</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>420</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 04:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		87.5 %		11.5-161	10/05/2019	10/06/2019 04:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.5 %		65.1-116	10/05/2019	10/06/2019 04:45	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-045-S-0-4**

**A193930-05 (Soil)**

Date Sampled  
**09/24/2019 14:34**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>240</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.1 %		11.5-161	10/05/2019	10/06/2019 05:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.9 %		65.1-116	10/05/2019	10/06/2019 05:17	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-046-X-0-4**

Date Sampled

**A193930-06 (Soil)**

**09/24/2019 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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>13000</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>260</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>470</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 05:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		90.1 %		11.5-161	10/05/2019	10/06/2019 05:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.4 %		65.1-116	10/05/2019	10/06/2019 05:48	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-046-C-0-4**

Date Sampled

**A193930-07 (Soil)**

**09/24/2019 14:36**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1700</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 06:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.2 %		11.5-161	10/05/2019	10/06/2019 06:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.4 %		65.1-116	10/05/2019	10/06/2019 06:20	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-046-N-0-4**

Date Sampled

**A193930-08 (Soil)**

**09/24/2019 14:37**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1100</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>320</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 06:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		84.8 %		11.5-161	10/05/2019	10/06/2019 06:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.1 %		65.1-116	10/05/2019	10/06/2019 06:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-046-S-0-4**

**A193930-09 (Soil)**

Date Sampled

09/24/2019 14:38

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>12000</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>210</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>230</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 07:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		85.5 %		11.5-161	10/05/2019	10/06/2019 07:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.4 %		65.1-116	10/05/2019	10/06/2019 07:22	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-047-X-0-4**

Date Sampled

**A193930-10 (Soil)**

**09/24/2019 14:39**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>6200</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>700</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1100</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 07:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		90.0 %		11.5-161	10/05/2019	10/06/2019 07:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.7 %		65.1-116	10/05/2019	10/06/2019 07:54	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-047-C-0-4**

**A193930-11 (Soil)**

Date Sampled  
**09/24/2019 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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1300</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>370</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>310</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 10:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.4 %		11.5-161	10/05/2019	10/06/2019 10:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.4 %		65.1-116	10/05/2019	10/06/2019 10:00	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-047-N-0-4**

**A193930-12 (Soil)**

**Date Sampled**

**09/24/2019 14:41**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1800</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 10:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.7 %		11.5-161	10/05/2019	10/06/2019 10:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		65.1-116	10/05/2019	10/06/2019 10:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.4</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-047-S-0-4**

Date Sampled

**A193930-13 (Soil)**

**09/24/2019 14:42**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>17000</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>540</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>620</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		84.4 %		11.5-161	10/05/2019	10/06/2019 11:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.2 %		65.1-116	10/05/2019	10/06/2019 11:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-048-X-0-4**

Date Sampled

**A193930-14 (Soil)**

**09/24/2019 14:43**

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: A910207**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>230</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	X
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 11:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.8 %		11.5-161	10/05/2019	10/06/2019 11:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.6 %		65.1-116	10/05/2019	10/06/2019 11:34	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-048-C-0-4**

**A193930-15 (Soil)**

Date Sampled

09/24/2019 14:44

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1400</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 14:11	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		82.3 %		11.5-161	10/05/2019	10/06/2019 14:11	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.2 %		65.1-116	10/05/2019	10/06/2019 14:11	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-048-N-0-4**

Date Sampled

**A193930-16 (Soil)**

**09/24/2019 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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>390</b>	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 14:42	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.4 %		11.5-161	10/05/2019	10/06/2019 14:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.5 %		65.1-116	10/05/2019	10/06/2019 14:42	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-048-S-0-4**

**A193930-17 (Soil)**

Date Sampled  
**09/24/2019 14:46**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:16	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.3 %		11.5-161	10/05/2019	10/06/2019 16:16	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.2 %		65.1-116	10/05/2019	10/06/2019 16:16	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

% Solids	97.7	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-049-X-0-4**

Date Sampled

**A193930-18 (Soil)**

**09/24/2019 14:47**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1600</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 16:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.2 %		11.5-161	10/05/2019	10/06/2019 16:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.2 %		65.1-116	10/05/2019	10/06/2019 16:48	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-049-N-0-4**

**A193930-19 (Soil)**

Date Sampled  
**09/24/2019 14:48**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		69.1 %	11.5-161		10/05/2019	10/06/2019 17:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.6 %	65.1-116		10/05/2019	10/06/2019 17:19	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

% Solids	98.4	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-049-C-0-4**

**A193930-20 (Soil)**

**Date Sampled**  
**09/24/2019 14:49**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 17:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.6 %		11.5-161	10/05/2019	10/06/2019 17:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.5 %		65.1-116	10/05/2019	10/06/2019 17:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910222**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 07:59	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-049-S-0-4**

**A193930-21 (Soil)**

Date Sampled  
**09/24/2019 14:50**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/06/2019 18:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.7 %	11.5-161		10/05/2019	10/06/2019 18:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.3 %	65.1-116		10/05/2019	10/06/2019 18:22	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

% Solids	97.4	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-050-X-0-4**

**A193930-22 (Soil)**

Date Sampled  
**09/24/2019 14:51**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>450</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 18:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		70.9 %		11.5-161	10/05/2019	10/06/2019 18:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.8 %		65.1-116	10/05/2019	10/06/2019 18:54	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-050-C-0-4**

**A193930-23 (Soil)**

Date Sampled  
**09/24/2019 14:53**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>940</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:25	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		78.7 %		11.5-161	10/05/2019	10/06/2019 19:25	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.3 %		65.1-116	10/05/2019	10/06/2019 19:25	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-050-C-0-4-D**

**A193930-24 (Soil)**

**Date Sampled**

**09/24/2019 14:53**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>500</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 19:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.8 %		11.5-161	10/05/2019	10/06/2019 19:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.1 %		65.1-116	10/05/2019	10/06/2019 19:57	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-050-N-0-4**

**A193930-25 (Soil)**

Date Sampled  
**09/24/2019 14:54**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 20:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.0 %	11.5-161		10/05/2019	10/06/2019 20:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.9 %	65.1-116		10/05/2019	10/06/2019 20:28	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

% Solids	97.8	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190924-050-S-0-4**

Date Sampled

**A193930-26 (Soil)**

09/24/2019 14:55

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

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.7	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-050-S-0-4**

**A193930-26RE1 (Soil)**

Date Sampled  
**09/24/2019 14:55**

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>23000</b>	2000	ug/kg dry	10	10/10/2019	10/11/2019 06:55	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>1800</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1500</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
<b>1,3,5-Trinitro-2,4-dimethylbenzene</b>	<b>480</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 21:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.1 %		11.5-161	10/10/2019	10/10/2019 21:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.9 %		65.1-116	10/10/2019	10/10/2019 21:29	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-051-X-0-3**

**A193930-27 (Soil)**

Date Sampled

09/24/2019 14:56

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>390</b>	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 21:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.8 %		11.5-161	10/05/2019	10/06/2019 21:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.0 %		65.1-116	10/05/2019	10/06/2019 21:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-051-C-0-3**

**A193930-28 (Soil)**

Date Sampled

09/24/2019 14:57

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/06/2019 23:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.0 %		11.5-161	10/05/2019	10/06/2019 23:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.3 %		65.1-116	10/05/2019	10/06/2019 23:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

% Solids	98.7	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-051-N-0-3**

**A193930-29 (Soil)**

Date Sampled  
**09/24/2019 14:58**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>290</b>	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.6 %		11.5-161	10/05/2019	10/07/2019 00:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.3 %		65.1-116	10/05/2019	10/07/2019 00:08	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190924-051-S-0-3**

Date Sampled

**A193930-30 (Soil)**

**09/24/2019 14:59**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>600</b>	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 00:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.8 %		11.5-161	10/05/2019	10/07/2019 00:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.6 %		65.1-116	10/05/2019	10/07/2019 00:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-051-W-0-3**

**A193930-31 (Soil)**

Date Sampled  
**09/24/2019 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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/05/2019	10/07/2019 01:11	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.4 %		11.5-161	10/05/2019	10/07/2019 01:11	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.5 %		65.1-116	10/05/2019	10/07/2019 01:11	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190924-045-E-0-4**

**A193930-32 (Soil)**

Date Sampled  
**09/24/2019 15:01**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1400</b>	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 01:42	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.4 %		11.5-161	10/05/2019	10/07/2019 01:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.8 %		65.1-116	10/05/2019	10/07/2019 01:42	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910207 - EPA 3570

##### Blank (A910207-BLK1)

Prepared: 10/05/2019 Analyzed: 10/05/2019 21:26

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	1630		ug/kg wet	1943		84.0	11.5-161
Surrogate: Nitrobenzene-d5	1820		ug/kg wet	2000		91.0	65.1-116

##### LCS (A910207-BS1)

Prepared: 10/05/2019 Analyzed: 10/05/2019 20:54

1,2-Dimethyl-3,4-Dinitrobenzene	1900	200	ug/kg wet	1996		95.1	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020		87.0	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1860	200	ug/kg wet	1999		92.9	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1860	200	ug/kg wet	2026		92.0	68.8-113
1,3,5-Trinitrobenzene	1580	200	ug/kg wet	2000		79.0	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	2020		90.6	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002		93.6	75-113
1,3-Dinitrobenzene	1670	200	ug/kg wet	2000		83.6	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2006		92.9	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2026		91.5	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996		94.5	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg wet	2012		92.9	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966		93.9	70.2-109
2,3-Dinitrotoluene	1820	200	ug/kg wet	2000		91.0	64.2-125



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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 A910207 - EPA 3570

##### LCS (A910207-BS1)

Prepared: 10/05/2019 Analyzed: 10/05/2019 20:54

2,4,6-Trinitrotoluene	1800	200	ug/kg wet	2000		90.1	57.1-139			
2,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.3	67.4-120			
2,5-Dinitrotoluene	1750	200	ug/kg wet	2000		87.6	62-124			
2,6-Dinitrotoluene	1860	200	ug/kg wet	2000		92.8	74.6-116			
2-Amino-4,6-dinitrotoluene	1670	200	ug/kg wet	2000		83.4	65.9-110			
2-Nitrotoluene	1860	200	ug/kg wet	2000		92.9	76.3-114			
3,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.4	68.2-117			
3,5-Dinitroaniline	1670	200	ug/kg wet	2000		83.5	61.6-115			
3,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.7	70.5-120			
3-Nitrotoluene	1860	200	ug/kg wet	2000		93.2	77.4-113			
4-Amino-2,6-dinitrotoluene	1690	200	ug/kg wet	2000		84.7	57.5-113			
4-Nitrotoluene	1850	200	ug/kg wet	2000		92.7	74.8-112			
Nitrobenzene	1860	200	ug/kg wet	2000		92.8	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1850</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>95.0</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1860</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>92.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A910207-MS1)

Source: A193930-14

Prepared: 10/05/2019 Analyzed: 10/05/2019 21:57

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg dry	2034	ND	91.2	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg dry	2058	ND	85.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1850	200	ug/kg dry	2037	ND	90.9	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg dry	2064	ND	86.4	58.4-113			
1,3,5-Trinitrobenzene	1470	200	ug/kg dry	2038	ND	72.3	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1880	200	ug/kg dry	2058	ND	91.4	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg dry	2040	ND	94.2	70.7-112			
1,3-Dinitrobenzene	1610	200	ug/kg dry	2038	ND	79.0	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg dry	2044	ND	92.8	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg dry	2064	ND	92.5	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg dry	2034	ND	94.0	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2050	ND	91.1	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg dry	2003	ND	91.9	58-113			
2,3-Dinitrotoluene	1800	200	ug/kg dry	2038	ND	88.2	61.1-127			
2,4,6-Trinitrotoluene	2110	200	ug/kg dry	2038	230	92.1	38.8-138			
2,4-Dinitrotoluene	1790	200	ug/kg dry	2038	ND	88.1	44.1-133			
2,5-Dinitrotoluene	1740	200	ug/kg dry	2038	ND	85.6	58.3-132			
2,6-Dinitrotoluene	1860	200	ug/kg dry	2038	ND	91.3	52.5-128			
2-Amino-4,6-dinitrotoluene	1600	200	ug/kg dry	2038	140	71.6	18-135			
2-Nitrotoluene	1950	200	ug/kg dry	2038	ND	95.9	73.9-113			
3,4-Dinitrotoluene	1760	200	ug/kg dry	2038	ND	86.6	52.8-120			
3,5-Dinitroaniline	1520	200	ug/kg dry	2038	ND	74.4	22.9-131			
3,5-Dinitrotoluene	1820	200	ug/kg dry	2038	ND	89.1	59.3-135			
3-Nitrotoluene	1940	200	ug/kg dry	2038	ND	95.2	73.6-116			
4-Amino-2,6-dinitrotoluene	1660	200	ug/kg dry	2038	146	74.3	10-144			
4-Nitrotoluene	1950	200	ug/kg dry	2038	ND	95.9	71.2-114			
Nitrobenzene	1950	200	ug/kg dry	2038	ND	95.6	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1760</i>		<i>ug/kg dry</i>	<i>1980</i>		<i>88.7</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1920</i>		<i>ug/kg dry</i>	<i>2038</i>		<i>94.4</i>	<i>65.1-116</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 A910207 - EPA 3570

##### Matrix Spike Dup (A910207-MSD1)

Source: A193930-14

Prepared: 10/05/2019 Analyzed: 10/05/2019 22:28

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg dry	2034	ND	92.0	59.9-113	0.900	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg dry	2058	ND	86.7	63.5-111	1.00	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg dry	2037	ND	92.8	67.8-114	2.07	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg dry	2064	ND	86.2	58.4-113	0.292	20	
1,3,5-Trinitrobenzene	1480	200	ug/kg dry	2038	ND	72.5	12.3-150	0.305	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1910	200	ug/kg dry	2058	ND	92.7	63.6-111	1.44	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg dry	2040	ND	93.6	70.7-112	0.701	20	
1,3-Dinitrobenzene	1620	200	ug/kg dry	2038	ND	79.5	32.8-135	0.621	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg dry	2044	ND	93.0	58.1-109	0.195	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1900	200	ug/kg dry	2064	ND	92.1	64.1-108	0.507	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg dry	2034	ND	93.1	64.3-107	0.957	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg dry	2050	ND	92.8	61.6-112	1.84	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2003	ND	91.0	58-113	0.927	20	
2,3-Dinitrotoluene	1830	200	ug/kg dry	2038	ND	89.6	61.1-127	1.56	20	
2,4,6-Trinitrotoluene	2900	200	ug/kg dry	2038	230	131	38.8-138	31.7	20	X
2,4-Dinitrotoluene	1770	200	ug/kg dry	2038	ND	87.0	44.1-133	1.20	20	
2,5-Dinitrotoluene	1740	200	ug/kg dry	2038	ND	85.4	58.3-132	0.164	20	
2,6-Dinitrotoluene	1870	200	ug/kg dry	2038	ND	91.8	52.5-128	0.539	20	
2-Amino-4,6-dinitrotoluene	1710	200	ug/kg dry	2038	140	77.1	18-135	6.73	20	
2-Nitrotoluene	1960	200	ug/kg dry	2038	ND	96.0	73.9-113	0.0845	20	
3,4-Dinitrotoluene	1750	200	ug/kg dry	2038	ND	85.7	52.8-120	1.07	20	
3,5-Dinitroaniline	1600	200	ug/kg dry	2038	ND	78.7	22.9-131	5.59	20	
3,5-Dinitrotoluene	1790	200	ug/kg dry	2038	ND	88.0	59.3-135	1.29	20	
3-Nitrotoluene	1940	200	ug/kg dry	2038	ND	95.3	73.6-116	0.0682	20	
4-Amino-2,6-dinitrotoluene	1820	200	ug/kg dry	2038	146	82.4	10-144	9.44	20	
4-Nitrotoluene	1950	200	ug/kg dry	2038	ND	95.8	71.2-114	0.101	20	
Nitrobenzene	1930	200	ug/kg dry	2038	ND	94.7	72.5-112	0.910	20	
Surrogate: 2,2'-Dinitrobiphenyl	1830		ug/kg dry	1980		92.6	11.5-161			
Surrogate: Nitrobenzene-d5	1920		ug/kg dry	2038		94.4	65.1-116			

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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 A910208 - EPA 3570

##### Blank (A910208-BLK1)

Prepared: 10/05/2019 Analyzed: 10/06/2019 12:37

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'-Dinitrophenyl	1450		ug/kg wet	1943		74.8	11.5-161			
Surrogate: Nitrobenzene-d5	1740		ug/kg wet	2000		87.2	65.1-116			

##### LCS (A910208-BS1)

Prepared: 10/05/2019 Analyzed: 10/06/2019 12:05

1,2-Dimethyl-3,4-Dinitrobenzene	1860	200	ug/kg wet	1996		93.0	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg wet	2020		87.5	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	1830	200	ug/kg wet	1999		91.7	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1820	200	ug/kg wet	2026		89.6	68.8-113			
1,3,5-Trinitrobenzene	1420	200	ug/kg wet	2000		71.2	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2020		88.7	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1840	200	ug/kg wet	2002		91.7	75-113			
1,3-Dinitrobenzene	1510	200	ug/kg wet	2000		75.3	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg wet	2006		91.9	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg wet	2026		90.2	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg wet	1996		91.8	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2012		92.3	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg wet	1966		89.7	70.2-109			
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000		90.2	64.2-125			

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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 A910208 - EPA 3570

##### LCS (A910208-BS1)

Prepared: 10/05/2019 Analyzed: 10/06/2019 12:05

2,4,6-Trinitrotoluene	1720	200	ug/kg wet	2000		86.1	57.1-139			
2,4-Dinitrotoluene	1770	200	ug/kg wet	2000		88.4	67.4-120			
2,5-Dinitrotoluene	1680	200	ug/kg wet	2000		83.9	62-124			
2,6-Dinitrotoluene	1790	200	ug/kg wet	2000		89.5	74.6-116			
2-Amino-4,6-dinitrotoluene	1660	200	ug/kg wet	2000		83.2	65.9-110			
2-Nitrotoluene	1810	200	ug/kg wet	2000		90.6	76.3-114			
3,4-Dinitrotoluene	1740	200	ug/kg wet	2000		87.1	68.2-117			
3,5-Dinitroaniline	1590	200	ug/kg wet	2000		79.4	61.6-115			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		87.9	70.5-120			
3-Nitrotoluene	1810	200	ug/kg wet	2000		90.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1620	200	ug/kg wet	2000		81.1	57.5-113			
4-Nitrotoluene	1810	200	ug/kg wet	2000		90.7	74.8-112			
Nitrobenzene	1820	200	ug/kg wet	2000		91.1	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1720</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>88.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.5</i>	<i>65.1-116</i>			

##### Matrix Spike (A910208-MS1)

Source: A193931-02

Prepared: 10/05/2019 Analyzed: 10/06/2019 13:08

1,2-Dimethyl-3,4-Dinitrobenzene	1870	210	ug/kg dry	2055	ND	91.0	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1860	210	ug/kg dry	2080	ND	89.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1920	210	ug/kg dry	2059	ND	93.1	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1920	210	ug/kg dry	2086	ND	91.8	58.4-113			
1,3,5-Trinitrobenzene	1430	210	ug/kg dry	2060	ND	69.2	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1910	210	ug/kg dry	2080	ND	91.6	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1950	210	ug/kg dry	2062	ND	94.6	70.7-112			
1,3-Dinitrobenzene	1540	210	ug/kg dry	2060	ND	74.7	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	210	ug/kg dry	2066	ND	90.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1950	210	ug/kg dry	2086	ND	93.4	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1920	210	ug/kg dry	2055	ND	93.5	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1880	210	ug/kg dry	2072	ND	90.8	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	210	ug/kg dry	2025	ND	90.2	58-113			
2,3-Dinitrotoluene	1790	210	ug/kg dry	2060	ND	86.8	61.1-127			
2,4,6-Trinitrotoluene	8920	210	ug/kg dry	2060	1620	354	38.8-138			M
2,4-Dinitrotoluene	1830	210	ug/kg dry	2060	ND	88.8	44.1-133			
2,5-Dinitrotoluene	1710	210	ug/kg dry	2060	ND	83.2	58.3-132			
2,6-Dinitrotoluene	1860	210	ug/kg dry	2060	ND	90.2	52.5-128			
2-Amino-4,6-dinitrotoluene	2410	210	ug/kg dry	2060	157	109	18-135			
2-Nitrotoluene	1880	210	ug/kg dry	2060	ND	91.4	73.9-113			
3,4-Dinitrotoluene	1790	210	ug/kg dry	2060	ND	86.8	52.8-120			
3,5-Dinitroaniline	1580	210	ug/kg dry	2060	ND	76.8	22.9-131			
3,5-Dinitrotoluene	1830	210	ug/kg dry	2060	ND	88.7	59.3-135			
3-Nitrotoluene	1890	210	ug/kg dry	2060	ND	91.5	73.6-116			
4-Amino-2,6-dinitrotoluene	2800	210	ug/kg dry	2060	146	129	10-144			
4-Nitrotoluene	1890	210	ug/kg dry	2060	ND	91.8	71.2-114			
Nitrobenzene	1860	210	ug/kg dry	2060	ND	90.2	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1760</i>		<i>ug/kg dry</i>	<i>2001</i>		<i>88.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1860</i>		<i>ug/kg dry</i>	<i>2060</i>		<i>90.3</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910208 - EPA 3570

##### Matrix Spike Dup (A910208-MSD1)

Source: A193931-02

Prepared: 10/05/2019 Analyzed: 10/06/2019 13:40

1,2-Dimethyl-3,4-Dinitrobenzene	1870	210	ug/kg dry	2055	ND	90.9	59.9-113	0.0198	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	210	ug/kg dry	2080	ND	88.5	63.5-111	1.13	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1920	210	ug/kg dry	2059	ND	93.5	67.8-114	0.416	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1860	210	ug/kg dry	2086	ND	89.2	58.4-113	2.89	20	
1,3,5-Trinitrobenzene	1470	210	ug/kg dry	2060	ND	71.4	12.3-150	3.11	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1870	210	ug/kg dry	2080	ND	90.1	63.6-111	1.75	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1930	210	ug/kg dry	2062	ND	93.7	70.7-112	0.950	20	
1,3-Dinitrobenzene	1540	210	ug/kg dry	2060	ND	74.7	32.8-135	0.107	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1880	210	ug/kg dry	2066	ND	90.9	58.1-109	0.191	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1910	210	ug/kg dry	2086	ND	91.5	64.1-108	2.05	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1900	210	ug/kg dry	2055	ND	92.5	64.3-107	1.00	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1880	210	ug/kg dry	2072	ND	90.8	61.6-112	0.00218	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1830	210	ug/kg dry	2025	ND	90.2	58-113	0.0282	20	
2,3-Dinitrotoluene	1760	210	ug/kg dry	2060	ND	85.4	61.1-127	1.55	20	
2,4,6-Trinitrotoluene	9410	210	ug/kg dry	2060	1620	378	38.8-138	5.39	20	M
2,4-Dinitrotoluene	1820	210	ug/kg dry	2060	ND	88.3	44.1-133	0.601	20	
2,5-Dinitrotoluene	1720	210	ug/kg dry	2060	ND	83.3	58.3-132	0.126	20	
2,6-Dinitrotoluene	1870	210	ug/kg dry	2060	ND	90.6	52.5-128	0.480	20	
2-Amino-4,6-dinitrotoluene	2370	210	ug/kg dry	2060	157	108	18-135	1.51	20	
2-Nitrotoluene	1890	210	ug/kg dry	2060	ND	91.6	73.9-113	0.233	20	
3,4-Dinitrotoluene	1750	210	ug/kg dry	2060	ND	84.7	52.8-120	2.42	20	
3,5-Dinitroaniline	1620	210	ug/kg dry	2060	ND	78.6	22.9-131	2.22	20	
3,5-Dinitrotoluene	1840	210	ug/kg dry	2060	ND	89.4	59.3-135	0.788	20	
3-Nitrotoluene	1900	210	ug/kg dry	2060	ND	92.1	73.6-116	0.573	20	
4-Amino-2,6-dinitrotoluene	2820	210	ug/kg dry	2060	146	130	10-144	0.939	20	
4-Nitrotoluene	1900	210	ug/kg dry	2060	ND	92.5	71.2-114	0.751	20	
Nitrobenzene	1880	210	ug/kg dry	2060	ND	91.5	72.5-112	1.48	20	
Surrogate: 2,2'-Dinitrobiphenyl	1750		ug/kg dry	2001		87.7	11.5-161			
Surrogate: Nitrobenzene-d5	1850		ug/kg dry	2060		90.0	65.1-116			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910237 - EPA 3570

##### Blank (A910237-BLK1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:12

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'-Dinitrophenyl	1050	ug/kg wet	1943	54.2	11.5-161
Surrogate: Nitrobenzene-d5	1770	ug/kg wet	2000	88.3	65.1-116

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	1996	91.7	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2020	89.4	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	94.4	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg wet	2026	88.0	68.8-113
1,3,5-Trinitrobenzene	1360	200	ug/kg wet	2000	68.2	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2020	88.5	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002	93.4	75-113
1,3-Dinitrobenzene	1610	200	ug/kg wet	2000	80.5	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2006	94.4	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2026	93.4	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.8	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg wet	2012	88.5	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966	94.3	70.2-109
2,3-Dinitrotoluene	1870	200	ug/kg wet	2000	93.6	64.2-125

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Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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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 A910237 - EPA 3570

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

2,4,6-Trinitrotoluene	1630	200	ug/kg wet	2000		81.6	57.1-139			
2,4-Dinitrotoluene	1900	200	ug/kg wet	2000		95.2	67.4-120			
2,5-Dinitrotoluene	1720	200	ug/kg wet	2000		86.1	62-124			
2,6-Dinitrotoluene	1850	200	ug/kg wet	2000		92.7	74.6-116			
2-Amino-4,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.5	65.9-110			
2-Nitrotoluene	1750	200	ug/kg wet	2000		87.7	76.3-114			
3,4-Dinitrotoluene	1840	200	ug/kg wet	2000		92.1	68.2-117			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000		84.0	61.6-115			
3,5-Dinitrotoluene	1900	200	ug/kg wet	2000		94.9	70.5-120			
3-Nitrotoluene	1790	200	ug/kg wet	2000		89.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1590	200	ug/kg wet	2000		79.7	57.5-113			
4-Nitrotoluene	1850	200	ug/kg wet	2000		92.5	74.8-112			
Nitrobenzene	1890	200	ug/kg wet	2000		94.3	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1600</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>82.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1840</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A910237-MS1)

Source: A193903-48RE1

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:43

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg wet	1996	ND	89.8	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020	ND	86.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	ND	94.4	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.1	58.4-113			
1,3,5-Trinitrobenzene	1340	200	ug/kg wet	2000	ND	67.2	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.8	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2002	ND	92.3	70.7-112			
1,3-Dinitrobenzene	1500	200	ug/kg wet	2000	ND	74.8	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg wet	2006	ND	90.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.3	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg wet	2012	ND	87.0	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	1966	ND	93.3	58-113			
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	89.8	61.1-127			
2,4,6-Trinitrotoluene	26300	800	ug/kg wet	2000	33000	NR	38.8-138			MI, D
2,4-Dinitrotoluene	1880	200	ug/kg wet	2000	87.2	89.4	44.1-133			
2,5-Dinitrotoluene	1690	200	ug/kg wet	2000	ND	84.6	58.3-132			
2,6-Dinitrotoluene	1780	200	ug/kg wet	2000	ND	88.9	52.5-128			
2-Amino-4,6-dinitrotoluene	2780	200	ug/kg wet	2000	707	104	18-135			
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.4	73.9-113			
3,4-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	90.0	52.8-120			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131			
3,5-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.4	59.3-135			
3-Nitrotoluene	1780	200	ug/kg wet	2000	ND	89.2	73.6-116			
4-Amino-2,6-dinitrotoluene	2330	200	ug/kg wet	2000	587	87.3	10-144			
4-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.7	71.2-114			
Nitrobenzene	1850	200	ug/kg wet	2000	ND	92.4	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1560</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>80.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.2</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910237 - EPA 3570

##### Matrix Spike Dup (A910237-MSD1)

Source: A193903-48RE1 Prepared: 10/10/2019 Analyzed: 10/10/2019 16:15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.9	59.9-113	3.40	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.7	63.5-111	0.968	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1940	200	ug/kg wet	1999	ND	97.1	67.8-114	2.85	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1880	200	ug/kg wet	2026	ND	92.9	58.4-113	0.920	20	
1,3,5-Trinitrobenzene	1370	200	ug/kg wet	2000	ND	68.7	12.3-150	2.16	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg wet	2020	ND	90.2	63.6-111	2.69	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2002	ND	96.4	70.7-112	4.29	20	
1,3-Dinitrobenzene	1590	200	ug/kg wet	2000	ND	79.4	32.8-135	5.92	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg wet	2006	ND	92.4	58.1-109	1.95	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2026	ND	95.3	64.1-108	3.21	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1930	200	ug/kg wet	1996	ND	96.6	64.3-107	4.17	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg wet	2012	ND	89.8	61.6-112	3.17	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg wet	1966	ND	96.0	58-113	2.89	20	
2,3-Dinitrotoluene	1840	200	ug/kg wet	2000	ND	91.8	61.1-127	2.19	20	
2,4,6-Trinitrotoluene	17600	800	ug/kg wet	2000	33000	NR	38.8-138	39.4	20	M1, D
2,4-Dinitrotoluene	1960	200	ug/kg wet	2000	87.2	93.5	44.1-133	4.27	20	
2,5-Dinitrotoluene	1810	200	ug/kg wet	2000	ND	90.6	58.3-132	6.83	20	
2,6-Dinitrotoluene	1890	200	ug/kg wet	2000	ND	94.3	52.5-128	5.82	20	
2-Amino-4,6-dinitrotoluene	2730	200	ug/kg wet	2000	707	101	18-135	1.67	20	
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.6	73.9-113	0.141	20	
3,4-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.7	52.8-120	3.99	20	
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131	0.0131	20	
3,5-Dinitrotoluene	1940	200	ug/kg wet	2000	ND	96.8	59.3-135	3.54	20	
3-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.3	73.6-116	1.15	20	
4-Amino-2,6-dinitrotoluene	2290	200	ug/kg wet	2000	587	85.3	10-144	1.70	20	
4-Nitrotoluene	1860	200	ug/kg wet	2000	ND	93.1	71.2-114	2.55	20	
Nitrobenzene	1870	200	ug/kg wet	2000	ND	93.6	72.5-112	1.26	20	
Surrogate: 2,2'-Dinitrobiphenyl	1580		ug/kg wet	1943		81.2	11.5-161			
Surrogate: Nitrobenzene-d5	1820		ug/kg wet	2000		90.8	65.1-116			



AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A910222 - % Solids**

<b>Duplicate (A910222-DUP1)</b>	<b>Source: A193930-01</b>		Prepared: 10/08/2019 Analyzed: 10/09/2019 07:59							
% Solids	97.2	0.00	% by Weight		97.2			0.0605	20	

**Batch A910223 - % Solids**

<b>Duplicate (A910223-DUP1)</b>	<b>Source: A193931-08</b>		Prepared: 10/08/2019 Analyzed: 10/09/2019 08:04							
% Solids	97.8	0.00	% by Weight		97.9			0.0503	20	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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.
- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **1** of:

Lab Work Order #: <b>A193930</b>	Report To: Sharon Nordstrom
	Company: Aecom

Project Number: 508001/60505619	PO Number:	Preservation Codes - A	Address 1:
Project Name: Barksdale Phase 6 Site Investigation		Analyses Requested	Address 2:
Project Location (City, State): Barksdale, WI			E-mail Address: <u>Sharon.nordstrom@aecom.com</u>

Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	Matrix	Total # of Containers	NNOC's							Invoice To:
If Rush, Report Due Date:										Company:
Sampled By (Print): J. Beck, D. Nielsen										Address 1:

Sample Description	Collection		Matrix	Total # of Containers	NNOC's							Comments	Lab ID	Lab Receipt Time
	Date	Time												
SITG-190924-045-X (0-4')	09/24/19	14:30	S	1	X								01	
SITG-190924-045-C (0-4')	09/24/19	14:31	S	1	X								02	
SITG-190924-045-C-D (0-4')	09/24/19	14:31	S	1	X						DUP		03	
SITG-190924-045-N (0-4')	09/24/19	14:33	S	1	X								04	
SITG-190924-045-S (0-4')	09/24/19	14:34	S	1	X								05	
SITG-190924-046-X (0-4')	09/24/19	14:35	S	1	X								06	
SITG-190924-046-C (0-4')	09/24/19	14:36	S	1	X								07	
SITG-190924-046-N (0-4')	09/24/19	14:37	S	1	X								08	
SITG-190924-046-S (0-4')	09/24/19	14:38	S	1	X								09	
SITG-190924-047-X (0-4')	09/24/19	14:39	S	1	X								10	

<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other	<b>Other Comments:</b> FedEx 7763 3857 0370 Copy: Original (or 2 or 3)	Relinquished By: <i>Debra K...</i>	Date: 9/26/19	Time: 1200	Received By: <i>[Signature]</i>	Date: 09-27-19	Time: 1100
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: FedEx	Receipt Temp: 2.6°C	Thermometer #/ Exp. Date: 1100142274 12-20-19	Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **2** of:

Lab Work Order #: <b>A193930</b>				Report To: Sharon Nordstrom																																																														
				Company: Aecom																																																														
Project Number: 508001/60505619				PO Number:				Preservation Codes - A				Address 1:																																																						
Project Name: Barksdale Phase 6 Site Investigation				Analyses Requested				Address 2:				E-mail Address: Sharon.nordstrom@aecom.com																																																						
Project Location (City, State): Barksdale, WI				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">NNOC's</td> <td colspan="4"></td> <td colspan="4"></td> <td colspan="4"></td> </tr> <tr><td colspan="4"></td><td colspan="4"></td><td colspan="4"></td></tr> <tr><td colspan="4"></td><td colspan="4"></td><td colspan="4"></td></tr> <tr><td colspan="4"></td><td colspan="4"></td><td colspan="4"></td></tr> </table>				Matrix	Total # of Containers	NNOC's																																																	Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				Invoice To:			
Matrix	Total # of Containers	NNOC's																																																																
If Rush, Report Due Date:								Company:																																																										
Sampled By (Print): J. Beck, D. Nielsen								Address 1:																																																										
								Address 2:																																																										
Sample Description		Collection		Matrix				Total # of Containers				NNOC's				Comments		Lab ID		Lab Receipt Time																																														
		Date	Time															ID		Time																																														
SITG-190924-047-C (0-4')		09/24/19	14:40	S	1	X											11																																																	
SITG-190924-047-N (0-4')		09/24/19	14:41	S	1	X											12																																																	
SITG-190924-047-S (0-4')		09/24/19	14:42	S	1	X											13																																																	
SITG-190924-048-X (0-4')		09/24/19	14:43	S	1	X											14																																																	
SITG-190924-048-C (0-4')		09/24/19	14:44	S	1	X											15																																																	
SITG-190924-048-N (0-4')		09/24/19	14:45	S	1	X											16																																																	
SITG-190924-048-S (0-4')		09/24/19	14:46	S	1	X											17																																																	
SITG-190924-049-X (0-4')		09/24/19	14:47	S	1	X											18																																																	
SITG-190924-049-N (0-4')		09/24/19	14:48	S	1	X											19																																																	
SITG-190924-049-C (0-4')		09/24/19	14:49	S	1	X											20																																																	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> FILEX 7763 3857 0310 Copy: Original (or 2 or 3)		Relinquished By: <i>Deborah Nielsen</i> Date: 9/26/19 Time: 12:00 Relinquished By: _____ Date: _____ Time: _____				Received By: <i>[Signature]</i> Date: 09-27-19 Time: 1100 Received By: _____ Date: _____ Time: _____				Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact Shipped Via: FedEx Receipt Temp: 2.6°C Thermometer #/ Exp. Date: 1100142274 12-20-19 Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																																																						

Page 49 of 51 A193930 FINAL 10 12 2019 1512



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **3** of:

Project Number: 508001/60505619				PO Number:				Preservation Codes - A				Report To: Sharon Nordstrom			
Project Name: Barksdale Phase 6 Site Investigation								Analyses Requested				Company: Aecom			
Project Location (City, State): Barksdale, WI												Address 1:			
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush												Address 2:			
If Rush, Report Due Date:												E-mail Address: <u>Sharon.nordstrom@aecom.com</u>			
Sampled By (Print): J. Beck, D. Nielsen												Invoice To:			
Sample Description								Collection Date Time Matrix Total # of Containers NNOC's				Company:			
												Address 1:			
												Address 2:			
												Comments		Lab ID	Lab Receipt Time
SITG-190924-049-S (0-4')			09/24/19 14:50		S	1	X			21					
SITG-190924-050-X (0-4')			09/24/19 14:51		S	1	X			22					
SITG-190924-050-C (0-4')			09/24/19 14:53		S	1	X			23					
SITG-190924-050-C-D (0-4')			09/24/19 14:53		S	1	X	DUP		24					
SITG-190924-050-N (0-4')			09/24/19 14:54		S	1	X			25					
SITG-190924-050-S (0-4')			09/24/19 14:55		S	1	X			26					
SITG-190924-051-X (0-3')			09/24/19 14:56		S	1	X			27					
SITG-190924-051-C (0-3')			09/24/19 14:57		S	1	X			28					
SITG-190924-051-N (0-3')			09/24/19 14:58		S	1	X			29					
SITG-190924-051-S (0-3')			09/24/19 14:59		S	1	X			30					
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> Fed Ex 7763 3857 0310 Copy: Original (or 2 or 3)		Relinquished By: <i>Desmond Taylor</i> Date: 9/26/19 Time: 12:00 Relinquished By: _____ Date: _____ Time: _____				Received By: <i>Jessica EDR</i> Date: 09/27/19 Time: 11:00 Received By: _____ Date: _____ Time: _____							
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: <i>Fed Ex</i>		Receipt Temp: <i>2.10°C</i>		Thermometer #/ Exp. Date: <i>1100142274 12/20/19</i>		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)

# CHAIN OF CUSTODY

insert COC number

Page: **4** of:

Lab Work Order #: <b>A193930</b>	Report To: Sharon Nordstrom
	Company: Aecom

Project Number: 508001/60505619	PO Number:	Preservation Codes - A	Address 1:
---------------------------------	------------	------------------------	------------

Project Name: Barksdale Phase 6 Site Investigation	Analyses Requested	Address 2:
--	--------------------	------------

Project Location (City, State): Barksdale, WI	E-mail Address: <u>Sharon.nordstrom@aecom.com</u>
---	---

Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	Invoice To:
---	-------------

If Rush, Report Due Date:	Company:
---------------------------	----------

Sampled By (Print): J. Beck, D. Nielsen	Address 1:
---	------------

	Address 2:
--	------------

Sample Description	Collection		Matrix	Total # of Containers	NNOC's							Comments	Lab ID	Lab Receipt Time
	Date	Time												

SITG-190924-051-W (0-3')	09/24/19	15:00	S	1	X								31	
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SITG-190924-045-E (0-4')	09/24/19	15:01	S	1	X								32	
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<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other	<b>Other Comments:</b> Fed Ex 7763 3457 0370 Copy: Original (or 2 or 3)	Relinquished By: <i>David Niemi</i>	Date: 9/26/19	Time: 12:00	Received By: <i>Jessica G...</i>	Date: 09/27/19	Time: 11:00
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via: <i>Fed Ex</i>	Receipt Temp: <i>2.6°C</i>	Thermometer #/ Exp. Date: <i>1160142274 12-20-19</i>	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 14, 2019

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 09/27/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190925-052-C-0-1	A193931-01	Soil	09/25/2019	09/27/2019
SITG-190925-053-C-0-1	A193931-02	Soil	09/25/2019	09/27/2019
SITG-190925-053-X-0-1	A193931-03	Soil	09/25/2019	09/27/2019
SITG-190925-054-C-0-1	A193931-04	Soil	09/25/2019	09/27/2019
SITG-190925-055-C-0-1	A193931-05	Soil	09/25/2019	09/27/2019
SITG-190925-055-X-0-1	A193931-06	Soil	09/25/2019	09/27/2019
SITG-190925-056-C-0-1	A193931-07	Soil	09/25/2019	09/27/2019
SITG-190925-056-X-0-1	A193931-08	Soil	09/25/2019	09/27/2019
SITG-190925-057-C-0-3	A193931-09	Soil	09/25/2019	09/27/2019
SITG-190925-058-C-0-3	A193931-10	Soil	09/25/2019	09/27/2019
SITG-190925-059-C-0-2	A193931-11	Soil	09/25/2019	09/27/2019
SITG-190925-060-C-0-3	A193931-12	Soil	09/25/2019	09/27/2019
SITG-190925-061-C-0-1	A193931-13	Soil	09/25/2019	09/27/2019
SITG-190925-062-C-0-2	A193931-14	Soil	09/25/2019	09/27/2019
SITG-190925-062-E-0-2	A193931-15	Soil	09/25/2019	09/27/2019
SITG-190925-062-X-0-2	A193931-16	Soil	09/25/2019	09/27/2019
SITG-190925-063-C-0-2	A193931-17	Soil	09/25/2019	09/27/2019
SITG-190925-063-E-0-2	A193931-18	Soil	09/25/2019	09/27/2019
SITG-190925-063-X-0-2	A193931-19	Soil	09/25/2019	09/27/2019
SITG-190925-064-C-0-2	A193931-20	Soil	09/25/2019	09/27/2019
SITG-190925-064-X-0-2	A193931-21	Soil	09/25/2019	09/27/2019
SITG-190925-065-C-0-2	A193931-22	Soil	09/25/2019	09/27/2019
SITG-190925-065-X-0-2	A193931-23	Soil	09/25/2019	09/27/2019
SITG-190925-066-C-0-2	A193931-24	Soil	09/25/2019	09/27/2019
SITG-190925-066-X-0-2	A193931-25	Soil	09/25/2019	09/27/2019
SITG-190925-067-C-0-1	A193931-26	Soil	09/25/2019	09/27/2019
SITG-190925-067-X-0-1	A193931-27	Soil	09/25/2019	09/27/2019
SITG-190925-068-C-0-1	A193931-28	Soil	09/25/2019	09/27/2019
SITG-190925-068-C-0-1-D	A193931-29	Soil	09/25/2019	09/27/2019
SITG-190925-068-X-0-1	A193931-30	Soil	09/25/2019	09/27/2019
SITG-190925-069-C-0-2	A193931-31	Soil	09/25/2019	09/27/2019
SITG-190925-069-X-0-2	A193931-32	Soil	09/25/2019	09/27/2019
SITG-190925-070-C-0-2	A193931-33	Soil	09/25/2019	09/27/2019



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190925-070-X-0-2	A193931-34	Soil	09/25/2019	09/27/2019
SITG-190925-071-C-0-2	A193931-35	Soil	09/25/2019	09/27/2019
SITG-190925-071-E-0-2	A193931-36	Soil	09/25/2019	09/27/2019
SITG-190925-071-X-0-2	A193931-37	Soil	09/25/2019	09/27/2019
SITG-190925-071-X-0-2-D	A193931-38	Soil	09/25/2019	09/27/2019
SITG-190925-072-C-0-2	A193931-39	Soil	09/25/2019	09/27/2019
SITG-190925-072-X-0-2	A193931-40	Soil	09/25/2019	09/27/2019
SITG-190925-073-C-0-2	A193931-41	Soil	09/25/2019	09/27/2019
SITG-190925-073-X-0-2	A193931-42	Soil	09/25/2019	09/27/2019
SITG-190925-074-C-0-2	A193931-43	Soil	09/25/2019	09/27/2019
SITG-190925-074-N-0-2	A193931-44	Soil	09/25/2019	09/27/2019
SITG-190925-074-W-0-2	A193931-45	Soil	09/25/2019	09/27/2019
SITG-190925-074-X-0-2	A193931-46	Soil	09/25/2019	09/27/2019
SITG-190925-075-C-0-2	A193931-47	Soil	09/25/2019	09/27/2019
SITG-190925-075-N-0-2	A193931-48	Soil	09/25/2019	09/27/2019
SITG-190925-076-C-0-2	A193931-49	Soil	09/25/2019	09/27/2019
SITG-190925-076-C-0-2-D	A193931-50	Soil	09/25/2019	09/27/2019
SITG-190925-077-C-0-2	A193931-51	Soil	09/25/2019	09/27/2019
SITG-190925-077-W-0-2	A193931-52	Soil	09/25/2019	09/27/2019
SITG-190925-077-X-0-2	A193931-53	Soil	09/25/2019	09/27/2019
SITG-190925-078-C-0-2	A193931-54	Soil	09/25/2019	09/27/2019
SITG-190925-079-C-0-2	A193931-55	Soil	09/25/2019	09/27/2019

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

## **CASE NARRATIVE**

### **Sample Receipt Information:**

55 samples were received on 09/27/2019. Samples were received at 2.4 and 2.6 degrees Celsius. Samples were received in acceptable condition.

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

### **Sample Preparation:**

Samples A193931-41, A193931-49, A193931-50, A193931-52 and A193931-53 were re-extracted and re-analyzed for the explosives by GC/MS analysis due to the needed dilutions. The re-extractions are presented in this report as sample numbers A193931-41RE1, A193931-49RE1, A193931-50RE1, A193931-52RE1 and A193931-53 RE1.

### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A193931-23 through A193931-40, A193931-42 through A193931-48, A193931-51, A193931-54 and A193931-55 states that there was a low CCV recovery for 1,3,5-trinitrobenzene. The lower control limit is 70% and the lowest recovery was 62.9%.

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-052-C-0-1**

Date Sampled

**A193931-01 (Soil)**

**09/25/2019 09:45**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>4900</b>	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>690</b>	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1000</b>	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		82.6 %		11.5-161	10/05/2019	10/07/2019 02:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.0 %		65.1-116	10/05/2019	10/07/2019 02:14	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>96.9</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-053-C-0-1**

Date Sampled

**A193931-02 (Soil)**

**09/25/2019 09:46**

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: A910208**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1600</b>	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	M
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/05/2019	10/07/2019 02:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.9 %		11.5-161	10/05/2019	10/07/2019 02:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.1 %		65.1-116	10/05/2019	10/07/2019 02:45	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-053-X-0-1**

Date Sampled

**A193931-03 (Soil)**

**09/25/2019 09:52**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>20000</b>	410	ug/kg dry	2	10/07/2019	10/10/2019 12:35	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>480</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1600</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.2 %	11.5-161		10/07/2019	10/07/2019 17:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.2 %	65.1-116		10/07/2019	10/07/2019 17:14	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-054-C-0-1**

Date Sampled

**A193931-04 (Soil)**

**09/25/2019 09:47**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>380</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 17:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.7 %		11.5-161	10/07/2019	10/07/2019 17:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		65.1-116	10/07/2019	10/07/2019 17:45	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.6</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-055-C-0-1**

**A193931-05 (Soil)**

Date Sampled

09/25/2019 09:48

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>20000</b>	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>270</b>	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>420</b>	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 18:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		81.0 %	11.5-161		10/07/2019	10/07/2019 18:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.8 %	65.1-116		10/07/2019	10/07/2019 18:17	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-055-X-0-1**

Date Sampled

**A193931-06 (Soil)**

**09/25/2019 09:50**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>6600</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>390</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>730</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 18:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.7 %	11.5-161		10/07/2019	10/07/2019 18:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.6 %	65.1-116		10/07/2019	10/07/2019 18:48	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-056-C-0-1**

**A193931-07 (Soil)**

Date Sampled  
**09/25/2019 09:49**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>770</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.7 %	11.5-161		10/07/2019	10/07/2019 19:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.3 %	65.1-116		10/07/2019	10/07/2019 19:20	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-056-X-0-1**

Date Sampled

**A193931-08 (Soil)**

**09/25/2019 09:51**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>7000</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>7000</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>4500</b>	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 19:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		83.3 %		11.5-161	10/07/2019	10/07/2019 19:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.6 %		65.1-116	10/07/2019	10/07/2019 19:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910223**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:04	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-057-C-0-3**

**A193931-09 (Soil)**

Date Sampled

09/25/2019 09:53

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 21:56	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.9 %		11.5-161	10/07/2019	10/07/2019 21:56	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.6 %		65.1-116	10/07/2019	10/07/2019 21:56	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

% Solids	97.6	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-058-C-0-3**

**A193931-10 (Soil)**

**Date Sampled**

**09/25/2019 09:54**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 22:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		58.8 %	11.5-161		10/07/2019	10/07/2019 22:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.9 %	65.1-116		10/07/2019	10/07/2019 22:28	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-059-C-0-2**

**A193931-11 (Soil)**

Date Sampled  
**09/25/2019 09:55**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/07/2019 22:59	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		58.9 %		11.5-161	10/07/2019	10/07/2019 22:59	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		65.1-116	10/07/2019	10/07/2019 22:59	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

% Solids	97.7	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-060-C-0-3**

**A193931-12 (Soil)**

**Date Sampled**

**09/25/2019 09:56**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/07/2019 23:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.4 %		11.5-161	10/07/2019	10/07/2019 23:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.4 %		65.1-116	10/07/2019	10/07/2019 23:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-061-C-0-1**

**A193931-13 (Soil)**

Date Sampled  
**09/25/2019 09:57**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.2 %		11.5-161	10/07/2019	10/08/2019 00:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		65.1-116	10/07/2019	10/08/2019 00:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

% Solids	97.3	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-062-C-0-2**

**A193931-14 (Soil)**

Date Sampled  
**09/25/2019 09:58**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>380</b>	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 00:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.1 %	11.5-161		10/07/2019	10/08/2019 00:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.8 %	65.1-116		10/07/2019	10/08/2019 00:33	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-062-E-0-2**

Date Sampled

A193931-15 (Soil)

09/25/2019 10:16

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:05	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.9 %	11.5-161		10/07/2019	10/08/2019 01:05	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %	65.1-116		10/07/2019	10/08/2019 01:05	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

% Solids	96.4	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-062-X-0-2**

Date Sampled

**A193931-16 (Soil)**

**09/25/2019 10:17**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>480</b>	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>270</b>	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>320</b>	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 01:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		82.8 %		11.5-161	10/07/2019	10/08/2019 01:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.9 %		65.1-116	10/07/2019	10/08/2019 01:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-063-C-0-2**

**A193931-17 (Soil)**

**Date Sampled**  
**09/25/2019 09:59**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.6 %	11.5-161		10/07/2019	10/08/2019 02:07	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.6 %	65.1-116		10/07/2019	10/08/2019 02:07	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-063-E-0-2**

Date Sampled

**A193931-18 (Soil)**

**09/25/2019 10:18**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 02:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.2 %	11.5-161		10/07/2019	10/08/2019 02:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.2 %	65.1-116		10/07/2019	10/08/2019 02:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

% Solids	96.9	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-063-X-0-2**

**A193931-19 (Soil)**

**Date Sampled**  
**09/25/2019 10:19**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/07/2019	10/08/2019 04:13	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		77.9 %	11.5-161		10/07/2019	10/08/2019 04:13	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.3 %	65.1-116		10/07/2019	10/08/2019 04:13	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.7</b>	<b>0.00</b>	<b>% by Weight</b>	<b>1</b>	<b>10/08/2019</b>	<b>10/09/2019 08:09</b>	<b>SM 2540B</b>	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-064-C-0-2**

**A193931-20 (Soil)**

Date Sampled  
**09/25/2019 10:00**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 04:44	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		61.5 %		11.5-161	10/07/2019	10/08/2019 04:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.1 %		65.1-116	10/07/2019	10/08/2019 04:44	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

% Solids	97.4	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-064-X-0-2**

Date Sampled

**A193931-21 (Soil)**

**09/25/2019 10:08**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>380</b>	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:15	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		65.2 %		11.5-161	10/07/2019	10/08/2019 05:15	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.3 %		65.1-116	10/07/2019	10/08/2019 05:15	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.4</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-065-C-0-2**

Date Sampled

**A193931-22 (Soil)**

**09/25/2019 10:01**

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: A910213**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/07/2019	10/08/2019 05:47	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.1 %	11.5-161		10/07/2019	10/08/2019 05:47	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.1 %	65.1-116		10/07/2019	10/08/2019 05:47	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

% Solids	97.6	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-065-X-0-2**

**A193931-23 (Soil)**

**Date Sampled**

**09/25/2019 10:09**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1000</b>	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>660</b>	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		75.5 %		11.5-161	10/08/2019	10/08/2019 18:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.3 %		65.1-116	10/08/2019	10/08/2019 18:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.6</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-066-C-0-2**

**A193931-24 (Soil)**

**Date Sampled**  
**09/25/2019 10:02**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 18:34	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		58.7 %	11.5-161		10/08/2019	10/08/2019 18:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.4 %	65.1-116		10/08/2019	10/08/2019 18:34	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-066-X-0-2**

**A193931-25 (Soil)**

Date Sampled

09/25/2019 10:10

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>250</b>	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:05	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.8 %		11.5-161	10/08/2019	10/08/2019 19:05	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.3 %		65.1-116	10/08/2019	10/08/2019 19:05	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-067-C-0-1**

**A193931-26 (Soil)**

**Date Sampled**

**09/25/2019 10:03**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 19:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.3 %	11.5-161		10/08/2019	10/08/2019 19:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.0 %	65.1-116		10/08/2019	10/08/2019 19:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-067-X-0-1**

**A193931-27 (Soil)**

Date Sampled  
**09/25/2019 10:11**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>280</b>	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.8 %		11.5-161	10/08/2019	10/08/2019 20:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.1 %		65.1-116	10/08/2019	10/08/2019 20:08	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-068-C-0-1**

**A193931-28 (Soil)**

**Date Sampled**

**09/25/2019 10:04**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 20:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.7 %	11.5-161		10/08/2019	10/08/2019 20:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.4 %	65.1-116		10/08/2019	10/08/2019 20:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910224**

<b>% Solids</b>	<b>97.4</b>	0.00	% by Weight	1	10/08/2019	10/09/2019 08:09	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-068-C-0-1-D**

**A193931-29 (Soil)**

Date Sampled  
**09/25/2019 10:04**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 22:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		61.4 %		11.5-161	10/08/2019	10/08/2019 22:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.4 %		65.1-116	10/08/2019	10/08/2019 22:44	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-068-X-0-1**

Date Sampled

**A193931-30 (Soil)**

**09/25/2019 10:12**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2100</b>	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>210</b>	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>290</b>	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/08/2019 23:16	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.7 %		11.5-161	10/08/2019	10/08/2019 23:16	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.3 %		65.1-116	10/08/2019	10/08/2019 23:16	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-069-C-0-2**

**A193931-31 (Soil)**

Date Sampled  
**09/25/2019 10:05**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/08/2019 23:47	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		59.2 %		11.5-161	10/08/2019	10/08/2019 23:47	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.9 %		65.1-116	10/08/2019	10/08/2019 23:47	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.7</b>	<b>0.00</b>	<b>% by Weight</b>	<b>1</b>	<b>10/09/2019</b>	<b>10/10/2019 14:27</b>	<b>SM 2540B</b>	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-069-X-0-2**

**A193931-32 (Soil)**

Date Sampled  
**09/25/2019 10:13**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 00:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		58.6 %	11.5-161		10/08/2019	10/09/2019 00:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.1 %	65.1-116		10/08/2019	10/09/2019 00:19	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-070-C-0-2**

**A193931-33 (Soil)**

Date Sampled  
**09/25/2019 10:06**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 00:50	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		61.1 %	11.5-161		10/08/2019	10/09/2019 00:50	EPA 8270D	
Surrogate: Nitrobenzene-d5		80.5 %	65.1-116		10/08/2019	10/09/2019 00:50	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

% Solids	96.9	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-070-X-0-2**

**A193931-34 (Soil)**

Date Sampled  
**09/25/2019 10:14**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>710</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:21	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		70.4 %		11.5-161	10/08/2019	10/09/2019 01:21	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.9 %		65.1-116	10/08/2019	10/09/2019 01:21	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>96.9</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-071-C-0-2**

**A193931-35 (Soil)**

**Date Sampled**

**09/25/2019 10:07**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>15000</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>270</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>280</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 01:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.0 %		11.5-161	10/08/2019	10/09/2019 01:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.7 %		65.1-116	10/08/2019	10/09/2019 01:53	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.0</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-071-E-0-2**

**A193931-36 (Soil)**

**Date Sampled**

**09/25/2019 10:20**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:24	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.1 %	11.5-161		10/08/2019	10/09/2019 02:24	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.4 %	65.1-116		10/08/2019	10/09/2019 02:24	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.0</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-071-X-0-2**

**A193931-37 (Soil)**

Date Sampled  
**09/25/2019 10:21**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 02:56	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.1 %	11.5-161		10/08/2019	10/09/2019 02:56	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.1 %	65.1-116		10/08/2019	10/09/2019 02:56	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

% Solids	96.9	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-071-X-0-2-D**

**A193931-38 (Soil)**

Date Sampled  
**09/25/2019 10:21**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 03:27	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.3 %		11.5-161	10/08/2019	10/09/2019 03:27	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.7 %		65.1-116	10/08/2019	10/09/2019 03:27	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

% Solids	97.4	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-072-C-0-2**

**A193931-39 (Soil)**

**Date Sampled**

**09/25/2019 10:22**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 05:01	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		66.1 %		11.5-161	10/08/2019	10/09/2019 05:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.7 %		65.1-116	10/08/2019	10/09/2019 05:01	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-072-X-0-2**

Date Sampled

**A193931-40 (Soil)**

**09/25/2019 10:15**

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>3600</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 05:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.9 %		11.5-161	10/08/2019	10/09/2019 05:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.9 %		65.1-116	10/08/2019	10/09/2019 05:33	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.5</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190925-073-C-0-2**

Date Sampled

**A193931-41 (Soil)**

09/25/2019 14:30

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

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.6	0.00	% by Weight	1	10/09/2019	10/10/2019 14:31	SM 2540B	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-073-C-0-2**

**A193931-41RE1 (Soil)**

Date Sampled

09/25/2019 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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>28000</b>	2000	ug/kg dry	10	10/10/2019	10/11/2019 07:26	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>1100</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>920</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		78.6 %		11.5-161	10/10/2019	10/10/2019 22:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.1 %		65.1-116	10/10/2019	10/10/2019 22:00	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-073-X-0-2**

**A193931-42 (Soil)**

Date Sampled

09/25/2019 14:33

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: A910218**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>26000</b>	410	ug/kg dry	2	10/08/2019	10/10/2019 14:09	EPA 8270D	M1, D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>630</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>2900</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 06:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.7 %	11.5-161		10/08/2019	10/09/2019 06:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.5 %	65.1-116		10/08/2019	10/09/2019 06:35	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-074-C-0-2**

**A193931-43 (Soil)**

Date Sampled  
**09/25/2019 14:36**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>940</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>280</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>220</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 23:50	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.2 %		11.5-161	10/08/2019	10/09/2019 23:50	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.6 %		65.1-116	10/08/2019	10/09/2019 23:50	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-074-N-0-2**

Date Sampled

**A193931-44 (Soil)**

**09/25/2019 14:39**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>13000</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>390</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>460</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 09:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		86.3 %		11.5-161	10/08/2019	10/09/2019 09:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.9 %		65.1-116	10/08/2019	10/09/2019 09:43	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.4</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-074-W-0-2**

**A193931-45 (Soil)**

Date Sampled

09/25/2019 14:42

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>450</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 11:49	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.5 %		11.5-161	10/08/2019	10/09/2019 11:49	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.6 %		65.1-116	10/08/2019	10/09/2019 11:49	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-074-X-0-2**

**A193931-46 (Soil)**

Date Sampled

09/25/2019 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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>4000</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>500</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>680</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		78.9 %	11.5-161		10/08/2019	10/09/2019 12:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.7 %	65.1-116		10/08/2019	10/09/2019 12:20	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-075-C-0-2**

**A193931-47 (Soil)**

Date Sampled

09/25/2019 14:48

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 12:52	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		66.2 %	11.5-161		10/08/2019	10/09/2019 12:52	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.5 %	65.1-116		10/08/2019	10/09/2019 12:52	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

% Solids	98.1	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-075-N-0-2**

**A193931-48 (Soil)**

Date Sampled  
**09/25/2019 14:51**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1000</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 13:23	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		69.3 %		11.5-161	10/08/2019	10/09/2019 13:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.5 %		65.1-116	10/08/2019	10/09/2019 13:23	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910226**

<b>% Solids</b>	<b>97.6</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:27	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190925-076-C-0-2**

Date Sampled

**A193931-49 (Soil)**

09/25/2019 14:54

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

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.7	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-076-C-0-2**

**A193931-49RE1 (Soil)**

Date Sampled

09/25/2019 14:54

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>51000</b>	2000	ug/kg dry	10	10/10/2019	10/11/2019 09:01	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>640</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>540</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 22:32	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		78.0 %	11.5-161		10/10/2019	10/10/2019 22:32	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.7 %	65.1-116		10/10/2019	10/10/2019 22:32	EPA 8270D	

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190925-076-C-0-2-D**

Date Sampled

**A193931-50 (Soil)**

09/25/2019 14:54

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

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.7	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-076-C-0-2-D**

**A193931-50RE1 (Soil)**

Date Sampled

09/25/2019 14:54

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>62000</b>	2000	ug/kg dry	10	10/10/2019	10/11/2019 09:32	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>620</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>520</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		83.0 %		11.5-161	10/10/2019	10/10/2019 23:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		65.1-116	10/10/2019	10/10/2019 23:03	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-077-C-0-2**

**A193931-51 (Soil)**

Date Sampled

09/25/2019 14:57

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>20000</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>540</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>460</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 14:57	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		75.5 %	11.5-161		10/08/2019	10/09/2019 14:57	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.2 %	65.1-116		10/08/2019	10/09/2019 14:57	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

<b>% Solids</b>	<b>97.3</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190925-077-W-0-2**

Date Sampled

**A193931-52 (Soil)**

**09/25/2019 15:00**

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

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.7	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-077-W-0-2**

Date Sampled

**A193931-52RE1 (Soil)**

**09/25/2019 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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>150000</b>	4100	ug/kg dry	20	10/10/2019	10/11/2019 10:04	EPA 8270D	D
<b>2,4-Dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>8500</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>7400</b>	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/10/2019 23:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		84.7 %	11.5-161		10/10/2019	10/10/2019 23:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.5 %	65.1-116		10/10/2019	10/10/2019 23:35	EPA 8270D	

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190925-077-X-0-2**

Date Sampled

**A193931-53 (Soil)**

09/25/2019 15:03

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

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.7	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	



2525 Advance Road  
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AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-077-X-0-2**

Date Sampled

**A193931-53RE1 (Soil)**

**09/25/2019 15:03**

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>99000</b>	4100	ug/kg dry	20	10/10/2019	10/11/2019 10:35	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>2200</b>	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1800</b>	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		79.6 %	11.5-161		10/10/2019	10/11/2019 00:06	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.8 %	65.1-116		10/10/2019	10/11/2019 00:06	EPA 8270D	



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AECOM  
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 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-190925-078-C-0-2**

Date Sampled

**A193931-54 (Soil)**

**09/25/2019 15:06**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>320</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 16:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.6 %		11.5-161	10/08/2019	10/09/2019 16:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.1 %		65.1-116	10/08/2019	10/09/2019 16:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

<b>% Solids</b>	<b>97.2</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190925-079-C-0-2**

**A193931-55 (Soil)**

Date Sampled

09/25/2019 15:09

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>360</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 17:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		51.1 %		11.5-161	10/08/2019	10/09/2019 17:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.8 %		65.1-116	10/08/2019	10/09/2019 17:02	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910208 - EPA 3570

##### Blank (A910208-BLK1)

Prepared: 10/05/2019 Analyzed: 10/06/2019 12:37

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

1450 ug/kg wet

1943

74.8

11.5-161

Surrogate: Nitrobenzene-d5

1740 ug/kg wet

2000

87.2

65.1-116

##### LCS (A910208-BS1)

Prepared: 10/05/2019 Analyzed: 10/06/2019 12:05

1,2-Dimethyl-3,4-Dinitrobenzene	1860	200	ug/kg wet	1996	93.0	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg wet	2020	87.5	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1830	200	ug/kg wet	1999	91.7	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1820	200	ug/kg wet	2026	89.6	68.8-113
1,3,5-Trinitrobenzene	1420	200	ug/kg wet	2000	71.2	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2020	88.7	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1840	200	ug/kg wet	2002	91.7	75-113
1,3-Dinitrobenzene	1510	200	ug/kg wet	2000	75.3	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg wet	2006	91.9	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg wet	2026	90.2	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg wet	1996	91.8	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2012	92.3	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg wet	1966	89.7	70.2-109
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000	90.2	64.2-125

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910208 - EPA 3570

##### LCS (A910208-BS1)

Prepared: 10/05/2019 Analyzed: 10/06/2019 12:05

2,4,6-Trinitrotoluene	1720	200	ug/kg wet	2000		86.1	57.1-139			
2,4-Dinitrotoluene	1770	200	ug/kg wet	2000		88.4	67.4-120			
2,5-Dinitrotoluene	1680	200	ug/kg wet	2000		83.9	62-124			
2,6-Dinitrotoluene	1790	200	ug/kg wet	2000		89.5	74.6-116			
2-Amino-4,6-dinitrotoluene	1660	200	ug/kg wet	2000		83.2	65.9-110			
2-Nitrotoluene	1810	200	ug/kg wet	2000		90.6	76.3-114			
3,4-Dinitrotoluene	1740	200	ug/kg wet	2000		87.1	68.2-117			
3,5-Dinitroaniline	1590	200	ug/kg wet	2000		79.4	61.6-115			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		87.9	70.5-120			
3-Nitrotoluene	1810	200	ug/kg wet	2000		90.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1620	200	ug/kg wet	2000		81.1	57.5-113			
4-Nitrotoluene	1810	200	ug/kg wet	2000		90.7	74.8-112			
Nitrobenzene	1820	200	ug/kg wet	2000		91.1	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1720</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>88.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.5</i>	<i>65.1-116</i>			

##### Matrix Spike (A910208-MS1)

Source: A193931-02

Prepared: 10/05/2019 Analyzed: 10/06/2019 13:08

1,2-Dimethyl-3,4-Dinitrobenzene	1870	210	ug/kg dry	2055	ND	91.0	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1860	210	ug/kg dry	2080	ND	89.5	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1920	210	ug/kg dry	2059	ND	93.1	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1920	210	ug/kg dry	2086	ND	91.8	58.4-113			
1,3,5-Trinitrobenzene	1430	210	ug/kg dry	2060	ND	69.2	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1910	210	ug/kg dry	2080	ND	91.6	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1950	210	ug/kg dry	2062	ND	94.6	70.7-112			
1,3-Dinitrobenzene	1540	210	ug/kg dry	2060	ND	74.7	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	210	ug/kg dry	2066	ND	90.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1950	210	ug/kg dry	2086	ND	93.4	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1920	210	ug/kg dry	2055	ND	93.5	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1880	210	ug/kg dry	2072	ND	90.8	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	210	ug/kg dry	2025	ND	90.2	58-113			
2,3-Dinitrotoluene	1790	210	ug/kg dry	2060	ND	86.8	61.1-127			
2,4,6-Trinitrotoluene	8920	210	ug/kg dry	2060	1620	354	38.8-138			M
2,4-Dinitrotoluene	1830	210	ug/kg dry	2060	ND	88.8	44.1-133			
2,5-Dinitrotoluene	1710	210	ug/kg dry	2060	ND	83.2	58.3-132			
2,6-Dinitrotoluene	1860	210	ug/kg dry	2060	ND	90.2	52.5-128			
2-Amino-4,6-dinitrotoluene	2410	210	ug/kg dry	2060	157	109	18-135			
2-Nitrotoluene	1880	210	ug/kg dry	2060	ND	91.4	73.9-113			
3,4-Dinitrotoluene	1790	210	ug/kg dry	2060	ND	86.8	52.8-120			
3,5-Dinitroaniline	1580	210	ug/kg dry	2060	ND	76.8	22.9-131			
3,5-Dinitrotoluene	1830	210	ug/kg dry	2060	ND	88.7	59.3-135			
3-Nitrotoluene	1890	210	ug/kg dry	2060	ND	91.5	73.6-116			
4-Amino-2,6-dinitrotoluene	2800	210	ug/kg dry	2060	146	129	10-144			
4-Nitrotoluene	1890	210	ug/kg dry	2060	ND	91.8	71.2-114			
Nitrobenzene	1860	210	ug/kg dry	2060	ND	90.2	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1760</i>		<i>ug/kg dry</i>	<i>2001</i>		<i>88.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1860</i>		<i>ug/kg dry</i>	<i>2060</i>		<i>90.3</i>	<i>65.1-116</i>			



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910208 - EPA 3570

##### Matrix Spike Dup (A910208-MSD1)

Source: A193931-02

Prepared: 10/05/2019 Analyzed: 10/06/2019 13:40

1,2-Dimethyl-3,4-Dinitrobenzene	1870	210	ug/kg dry	2055	ND	90.9	59.9-113	0.0198	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	210	ug/kg dry	2080	ND	88.5	63.5-111	1.13	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1920	210	ug/kg dry	2059	ND	93.5	67.8-114	0.416	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1860	210	ug/kg dry	2086	ND	89.2	58.4-113	2.89	20	
1,3,5-Trinitrobenzene	1470	210	ug/kg dry	2060	ND	71.4	12.3-150	3.11	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1870	210	ug/kg dry	2080	ND	90.1	63.6-111	1.75	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1930	210	ug/kg dry	2062	ND	93.7	70.7-112	0.950	20	
1,3-Dinitrobenzene	1540	210	ug/kg dry	2060	ND	74.7	32.8-135	0.107	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1880	210	ug/kg dry	2066	ND	90.9	58.1-109	0.191	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1910	210	ug/kg dry	2086	ND	91.5	64.1-108	2.05	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1900	210	ug/kg dry	2055	ND	92.5	64.3-107	1.00	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1880	210	ug/kg dry	2072	ND	90.8	61.6-112	0.00218	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1830	210	ug/kg dry	2025	ND	90.2	58-113	0.0282	20	
2,3-Dinitrotoluene	1760	210	ug/kg dry	2060	ND	85.4	61.1-127	1.55	20	
2,4,6-Trinitrotoluene	9410	210	ug/kg dry	2060	1620	378	38.8-138	5.39	20	M
2,4-Dinitrotoluene	1820	210	ug/kg dry	2060	ND	88.3	44.1-133	0.601	20	
2,5-Dinitrotoluene	1720	210	ug/kg dry	2060	ND	83.3	58.3-132	0.126	20	
2,6-Dinitrotoluene	1870	210	ug/kg dry	2060	ND	90.6	52.5-128	0.480	20	
2-Amino-4,6-dinitrotoluene	2370	210	ug/kg dry	2060	157	108	18-135	1.51	20	
2-Nitrotoluene	1890	210	ug/kg dry	2060	ND	91.6	73.9-113	0.233	20	
3,4-Dinitrotoluene	1750	210	ug/kg dry	2060	ND	84.7	52.8-120	2.42	20	
3,5-Dinitroaniline	1620	210	ug/kg dry	2060	ND	78.6	22.9-131	2.22	20	
3,5-Dinitrotoluene	1840	210	ug/kg dry	2060	ND	89.4	59.3-135	0.788	20	
3-Nitrotoluene	1900	210	ug/kg dry	2060	ND	92.1	73.6-116	0.573	20	
4-Amino-2,6-dinitrotoluene	2820	210	ug/kg dry	2060	146	130	10-144	0.939	20	
4-Nitrotoluene	1900	210	ug/kg dry	2060	ND	92.5	71.2-114	0.751	20	
Nitrobenzene	1880	210	ug/kg dry	2060	ND	91.5	72.5-112	1.48	20	
Surrogate: 2,2'-Dinitrobiphenyl	1750		ug/kg dry	2001		87.7	11.5-161			
Surrogate: Nitrobenzene-d5	1850		ug/kg dry	2060		90.0	65.1-116			

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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 A910213 - EPA 3570

##### Blank (A910213-BLK1)

Prepared: 10/07/2019 Analyzed: 10/07/2019 15:40

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'-Dinitrophenyl	1270	ug/kg wet	1943	65.1	11.5-161
Surrogate: Nitrobenzene-d5	1750	ug/kg wet	2000	87.5	65.1-116

##### LCS (A910213-BS1)

Prepared: 10/07/2019 Analyzed: 10/07/2019 15:09

1,2-Dimethyl-3,4-Dinitrobenzene	1820	200	ug/kg wet	1996	91.2	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1800	200	ug/kg wet	2020	88.9	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1870	200	ug/kg wet	1999	93.8	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1770	200	ug/kg wet	2026	87.5	68.8-113
1,3,5-Trinitrobenzene	1660	200	ug/kg wet	2000	82.9	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg wet	2020	88.0	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1840	200	ug/kg wet	2002	92.0	75-113
1,3-Dinitrobenzene	1670	200	ug/kg wet	2000	83.5	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1790	200	ug/kg wet	2006	89.3	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg wet	2026	91.6	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg wet	1996	91.8	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1770	200	ug/kg wet	2012	88.2	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg wet	1966	93.4	70.2-109
2,3-Dinitrotoluene	1990	200	ug/kg wet	2000	99.3	64.2-125

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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 A910213 - EPA 3570

##### LCS (A910213-BS1)

Prepared: 10/07/2019 Analyzed: 10/07/2019 15:09

2,4,6-Trinitrotoluene	1780	200	ug/kg wet	2000		89.0	57.1-139			
2,4-Dinitrotoluene	1710	200	ug/kg wet	2000		85.5	67.4-120			
2,5-Dinitrotoluene	1790	200	ug/kg wet	2000		89.7	62-124			
2,6-Dinitrotoluene	1840	200	ug/kg wet	2000		91.8	74.6-116			
2-Amino-4,6-dinitrotoluene	1730	200	ug/kg wet	2000		86.3	65.9-110			
2-Nitrotoluene	1740	200	ug/kg wet	2000		86.9	76.3-114			
3,4-Dinitrotoluene	1850	200	ug/kg wet	2000		92.3	68.2-117			
3,5-Dinitroaniline	1660	200	ug/kg wet	2000		83.1	61.6-115			
3,5-Dinitrotoluene	1940	200	ug/kg wet	2000		96.9	70.5-120			
3-Nitrotoluene	1780	200	ug/kg wet	2000		89.0	77.4-113			
4-Amino-2,6-dinitrotoluene	1630	200	ug/kg wet	2000		81.7	57.5-113			
4-Nitrotoluene	1810	200	ug/kg wet	2000		90.7	74.8-112			
Nitrobenzene	1820	200	ug/kg wet	2000		90.9	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1650</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>85.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.1</i>	<i>65.1-116</i>			

##### Matrix Spike (A910213-MS1)

Source: A193931-22

Prepared: 10/07/2019 Analyzed: 10/07/2019 16:11

1,2-Dimethyl-3,4-Dinitrobenzene	1800	210	ug/kg dry	2046	ND	88.0	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1770	210	ug/kg dry	2071	ND	85.6	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1930	210	ug/kg dry	2049	ND	94.0	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1750	210	ug/kg dry	2077	ND	84.1	58.4-113			
1,3,5-Trinitrobenzene	1430	210	ug/kg dry	2050	ND	69.9	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1840	210	ug/kg dry	2071	ND	89.0	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1950	210	ug/kg dry	2052	ND	94.9	70.7-112			
1,3-Dinitrobenzene	1590	210	ug/kg dry	2050	ND	77.5	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	210	ug/kg dry	2056	ND	90.0	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1960	210	ug/kg dry	2077	ND	94.3	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1960	210	ug/kg dry	2046	ND	95.9	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1820	210	ug/kg dry	2063	ND	88.3	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1880	210	ug/kg dry	2015	ND	93.2	58-113			
2,3-Dinitrotoluene	1860	210	ug/kg dry	2050	ND	90.5	61.1-127			
2,4,6-Trinitrotoluene	1750	210	ug/kg dry	2050	ND	85.5	38.8-138			
2,4-Dinitrotoluene	1850	210	ug/kg dry	2050	ND	90.1	44.1-133			
2,5-Dinitrotoluene	1800	210	ug/kg dry	2050	ND	87.9	58.3-132			
2,6-Dinitrotoluene	1890	210	ug/kg dry	2050	ND	92.1	52.5-128			
2-Amino-4,6-dinitrotoluene	1480	210	ug/kg dry	2050	ND	72.2	18-135			
2-Nitrotoluene	1800	210	ug/kg dry	2050	ND	88.0	73.9-113			
3,4-Dinitrotoluene	1840	210	ug/kg dry	2050	ND	89.6	52.8-120			
3,5-Dinitroaniline	1540	210	ug/kg dry	2050	ND	75.4	22.9-131			
3,5-Dinitrotoluene	1930	210	ug/kg dry	2050	ND	94.3	59.3-135			
3-Nitrotoluene	1880	210	ug/kg dry	2050	ND	91.9	73.6-116			
4-Amino-2,6-dinitrotoluene	1540	210	ug/kg dry	2050	ND	75.1	10-144			
4-Nitrotoluene	1890	210	ug/kg dry	2050	ND	92.1	71.2-114			
Nitrobenzene	1930	210	ug/kg dry	2050	ND	93.9	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1580</i>		<i>ug/kg dry</i>	<i>1992</i>		<i>79.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1880</i>		<i>ug/kg dry</i>	<i>2050</i>		<i>91.9</i>	<i>65.1-116</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 A910213 - EPA 3570

##### Matrix Spike Dup (A910213-MSD1)

Source: A193931-22

Prepared: 10/07/2019 Analyzed: 10/07/2019 16:43

1,2-Dimethyl-3,4-Dinitrobenzene	1790	210	ug/kg dry	2046	ND	87.6	59.9-113	0.470	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1780	210	ug/kg dry	2071	ND	86.0	63.5-111	0.406	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1880	210	ug/kg dry	2049	ND	91.7	67.8-114	2.46	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1720	210	ug/kg dry	2077	ND	82.6	58.4-113	1.74	20	
1,3,5-Trinitrobenzene	1430	210	ug/kg dry	2050	ND	69.5	12.3-150	0.509	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1830	210	ug/kg dry	2071	ND	88.2	63.6-111	0.888	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1890	210	ug/kg dry	2052	ND	92.1	70.7-112	3.03	20	
1,3-Dinitrobenzene	1590	210	ug/kg dry	2050	ND	77.5	32.8-135	0.0852	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1850	210	ug/kg dry	2056	ND	89.8	58.1-109	0.172	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1940	210	ug/kg dry	2077	ND	93.5	64.1-108	0.879	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1910	210	ug/kg dry	2046	ND	93.4	64.3-107	2.61	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1780	210	ug/kg dry	2063	ND	86.1	61.6-112	2.50	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1850	210	ug/kg dry	2015	ND	91.7	58-113	1.66	20	
2,3-Dinitrotoluene	1920	210	ug/kg dry	2050	ND	93.4	61.1-127	3.17	20	
2,4,6-Trinitrotoluene	1730	210	ug/kg dry	2050	ND	84.2	38.8-138	1.51	20	
2,4-Dinitrotoluene	1750	210	ug/kg dry	2050	ND	85.3	44.1-133	5.43	20	
2,5-Dinitrotoluene	1800	210	ug/kg dry	2050	ND	87.6	58.3-132	0.281	20	
2,6-Dinitrotoluene	1860	210	ug/kg dry	2050	ND	90.6	52.5-128	1.60	20	
2-Amino-4,6-dinitrotoluene	1470	210	ug/kg dry	2050	ND	71.6	18-135	0.839	20	
2-Nitrotoluene	1810	210	ug/kg dry	2050	ND	88.4	73.9-113	0.402	20	
3,4-Dinitrotoluene	1810	210	ug/kg dry	2050	ND	88.5	52.8-120	1.18	20	
3,5-Dinitroaniline	1500	210	ug/kg dry	2050	ND	73.4	22.9-131	2.62	20	
3,5-Dinitrotoluene	1910	210	ug/kg dry	2050	ND	93.0	59.3-135	1.37	20	
3-Nitrotoluene	1840	210	ug/kg dry	2050	ND	89.5	73.6-116	2.63	20	
4-Amino-2,6-dinitrotoluene	1530	210	ug/kg dry	2050	ND	74.7	10-144	0.593	20	
4-Nitrotoluene	1860	210	ug/kg dry	2050	ND	90.7	71.2-114	1.54	20	
Nitrobenzene	1850	210	ug/kg dry	2050	ND	90.3	72.5-112	3.86	20	
Surrogate: 2,2'-Dinitrobiphenyl	1560		ug/kg dry	1992		78.1	11.5-161			
Surrogate: Nitrobenzene-d5	1810		ug/kg dry	2050		88.3	65.1-116			

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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 A910218 - EPA 3570

##### Blank (A910218-BLK1)

Prepared: 10/08/2019 Analyzed: 10/08/2019 16:28

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							

Surrogate: 2,2'-Dinitrophenyl	1200	ug/kg wet	1943	62.0	11.5-161
Surrogate: Nitrobenzene-d5	1810	ug/kg wet	2000	90.3	65.1-116

##### LCS (A910218-BS1)

Prepared: 10/08/2019 Analyzed: 10/08/2019 15:57

1,2-Dimethyl-3,4-Dinitrobenzene	1840	200	ug/kg wet	1996	92.3	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg wet	2020	88.6	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1830	200	ug/kg wet	1999	91.6	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1800	200	ug/kg wet	2026	88.6	68.8-113
1,3,5-Trinitrobenzene	1330	200	ug/kg wet	2000	66.7	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg wet	2020	87.2	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg wet	2002	91.6	75-113
1,3-Dinitrobenzene	1490	200	ug/kg wet	2000	74.4	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg wet	2006	91.0	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg wet	2026	90.0	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1820	200	ug/kg wet	1996	91.0	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg wet	2012	90.5	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1720	200	ug/kg wet	1966	87.7	70.2-109
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000	89.8	64.2-125

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Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910218 - EPA 3570

##### LCS (A910218-BS1)

Prepared: 10/08/2019 Analyzed: 10/08/2019 15:57

2,4,6-Trinitrotoluene	1600	200	ug/kg wet	2000		79.9	57.1-139			
2,4-Dinitrotoluene	1770	200	ug/kg wet	2000		88.5	67.4-120			
2,5-Dinitrotoluene	1680	200	ug/kg wet	2000		83.9	62-124			
2,6-Dinitrotoluene	1800	200	ug/kg wet	2000		89.9	74.6-116			
2-Amino-4,6-dinitrotoluene	1560	200	ug/kg wet	2000		77.8	65.9-110			
2-Nitrotoluene	1800	200	ug/kg wet	2000		89.9	76.3-114			
3,4-Dinitrotoluene	1730	200	ug/kg wet	2000		86.6	68.2-117			
3,5-Dinitroaniline	1620	200	ug/kg wet	2000		81.1	61.6-115			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		87.8	70.5-120			
3-Nitrotoluene	1800	200	ug/kg wet	2000		90.2	77.4-113			
4-Amino-2,6-dinitrotoluene	1490	200	ug/kg wet	2000		74.3	57.5-113			
4-Nitrotoluene	1840	200	ug/kg wet	2000		92.1	74.8-112			
Nitrobenzene	1880	200	ug/kg wet	2000		94.0	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1700</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>87.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1830</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.4</i>	<i>65.1-116</i>			

##### Matrix Spike (A910218-MS1)

Source: A193931-42

Prepared: 10/08/2019 Analyzed: 10/08/2019 17:00

1,2-Dimethyl-3,4-Dinitrobenzene	1760	200	ug/kg dry	2044	ND	86.3	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1700	200	ug/kg dry	2068	ND	82.1	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1830	200	ug/kg dry	2047	ND	89.6	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1830	200	ug/kg dry	2074	ND	88.1	58.4-113			
1,3,5-Trinitrobenzene	1210	200	ug/kg dry	2048	ND	59.1	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg dry	2068	ND	85.3	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1800	200	ug/kg dry	2050	ND	87.9	70.7-112			
1,3-Dinitrobenzene	1370	200	ug/kg dry	2048	ND	66.7	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg dry	2054	ND	85.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1790	200	ug/kg dry	2074	ND	86.4	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1810	200	ug/kg dry	2044	ND	88.3	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1720	200	ug/kg dry	2060	ND	83.7	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1700	200	ug/kg dry	2013	ND	84.6	58-113			
2,3-Dinitrotoluene	1660	200	ug/kg dry	2048	ND	81.2	61.1-127			
2,4,6-Trinitrotoluene	35400	410	ug/kg dry	2048	26300	446	38.8-138			D, M1
2,4-Dinitrotoluene	1710	200	ug/kg dry	2048	ND	83.4	44.1-133			
2,5-Dinitrotoluene	1600	200	ug/kg dry	2048	ND	77.9	58.3-132			
2,6-Dinitrotoluene	1740	200	ug/kg dry	2048	ND	84.9	52.5-128			
2-Amino-4,6-dinitrotoluene	1980	200	ug/kg dry	2048	633	65.8	18-135			
2-Nitrotoluene	1800	200	ug/kg dry	2048	ND	87.8	73.9-113			
3,4-Dinitrotoluene	1650	200	ug/kg dry	2048	ND	80.6	52.8-120			
3,5-Dinitroaniline	1550	200	ug/kg dry	2048	ND	75.9	22.9-131			
3,5-Dinitrotoluene	1710	200	ug/kg dry	2048	ND	83.5	59.3-135			
3-Nitrotoluene	1810	200	ug/kg dry	2048	ND	88.2	73.6-116			
4-Amino-2,6-dinitrotoluene	4630	200	ug/kg dry	2048	2930	83.2	10-144			
4-Nitrotoluene	1840	200	ug/kg dry	2048	ND	89.7	71.2-114			
Nitrobenzene	1870	200	ug/kg dry	2048	ND	91.4	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1600</i>		<i>ug/kg dry</i>	<i>1990</i>		<i>80.4</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1800</i>		<i>ug/kg dry</i>	<i>2048</i>		<i>87.8</i>	<i>65.1-116</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 A910218 - EPA 3570

##### Matrix Spike Dup (A910218-MSD1)

Source: A193931-42

Prepared: 10/08/2019 Analyzed: 10/08/2019 17:31

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg dry	2044	ND	87.6	59.9-113	1.47	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1750	200	ug/kg dry	2068	ND	84.8	63.5-111	3.18	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1860	200	ug/kg dry	2047	ND	90.8	67.8-114	1.24	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1850	200	ug/kg dry	2074	ND	89.0	58.4-113	0.985	20	
1,3,5-Trinitrobenzene	1300	200	ug/kg dry	2048	ND	63.4	12.3-150	6.94	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1810	200	ug/kg dry	2068	ND	87.5	63.6-111	2.54	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg dry	2050	ND	92.3	70.7-112	4.90	20	
1,3-Dinitrobenzene	1450	200	ug/kg dry	2048	ND	70.6	32.8-135	5.73	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg dry	2054	ND	88.3	58.1-109	3.02	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1840	200	ug/kg dry	2074	ND	88.6	64.1-108	2.58	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2044	ND	89.4	64.3-107	1.25	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg dry	2060	ND	83.8	61.6-112	0.173	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg dry	2013	ND	87.1	58-113	2.88	20	
2,3-Dinitrotoluene	1750	200	ug/kg dry	2048	ND	85.2	61.1-127	4.83	20	
2,4,6-Trinitrotoluene	36300	410	ug/kg dry	2048	26300	491	38.8-138	2.56	20	D, M1
2,4-Dinitrotoluene	1790	200	ug/kg dry	2048	ND	87.2	44.1-133	4.46	20	
2,5-Dinitrotoluene	1660	200	ug/kg dry	2048	ND	80.9	58.3-132	3.77	20	
2,6-Dinitrotoluene	1800	200	ug/kg dry	2048	ND	87.8	52.5-128	3.31	20	
2-Amino-4,6-dinitrotoluene	2120	200	ug/kg dry	2048	633	72.8	18-135	6.95	20	
2-Nitrotoluene	1820	200	ug/kg dry	2048	ND	89.0	73.9-113	1.41	20	
3,4-Dinitrotoluene	1710	200	ug/kg dry	2048	ND	83.4	52.8-120	3.42	20	
3,5-Dinitroaniline	1690	200	ug/kg dry	2048	ND	82.8	22.9-131	8.66	20	
3,5-Dinitrotoluene	1770	200	ug/kg dry	2048	ND	86.4	59.3-135	3.44	20	
3-Nitrotoluene	1850	200	ug/kg dry	2048	ND	90.6	73.6-116	2.66	20	
4-Amino-2,6-dinitrotoluene	4690	200	ug/kg dry	2048	2930	86.0	10-144	1.22	20	
4-Nitrotoluene	1870	200	ug/kg dry	2048	ND	91.4	71.2-114	1.85	20	
Nitrobenzene	1890	200	ug/kg dry	2048	ND	92.5	72.5-112	1.19	20	
Surrogate: 2,2'-Dinitrobiphenyl	1680		ug/kg dry	1990		84.5	11.5-161			
Surrogate: Nitrobenzene-d5	1850		ug/kg dry	2048		90.5	65.1-116			

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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 A910219 - EPA 3570

##### Blank (A910219-BLK1)

Prepared: 10/08/2019 Analyzed: 10/09/2019 22:16

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							

Surrogate: 2,2'-Dinitrophenyl	1190	ug/kg wet	1943	61.5	11.5-161
Surrogate: Nitrobenzene-d5	1700	ug/kg wet	2000	85.2	65.1-116

##### LCS (A910219-BS1)

Prepared: 10/08/2019 Analyzed: 10/09/2019 21:45

1,2-Dimethyl-3,4-Dinitrobenzene	1840	200	ug/kg wet	1996	91.9	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020	87.1	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1850	200	ug/kg wet	1999	92.7	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1790	200	ug/kg wet	2026	88.1	68.8-113
1,3,5-Trinitrobenzene	1170	200	ug/kg wet	2000	58.7	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg wet	2020	88.3	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2002	93.7	75-113
1,3-Dinitrobenzene	1410	200	ug/kg wet	2000	70.3	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006	89.8	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2026	91.2	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1840	200	ug/kg wet	1996	92.1	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1770	200	ug/kg wet	2012	88.1	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg wet	1966	89.4	70.2-109
2,3-Dinitrotoluene	1830	200	ug/kg wet	2000	91.3	64.2-125



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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 A910219 - EPA 3570

##### LCS (A910219-BS1)

Prepared: 10/08/2019 Analyzed: 10/09/2019 21:45

2,4,6-Trinitrotoluene	1600	200	ug/kg wet	2000		80.2	57.1-139			
2,4-Dinitrotoluene	1770	200	ug/kg wet	2000		88.6	67.4-120			
2,5-Dinitrotoluene	1640	200	ug/kg wet	2000		82.1	62-124			
2,6-Dinitrotoluene	1770	200	ug/kg wet	2000		88.6	74.6-116			
2-Amino-4,6-dinitrotoluene	1570	200	ug/kg wet	2000		78.7	65.9-110			
2-Nitrotoluene	1770	200	ug/kg wet	2000		88.5	76.3-114			
3,4-Dinitrotoluene	1760	200	ug/kg wet	2000		88.1	68.2-117			
3,5-Dinitroaniline	1560	200	ug/kg wet	2000		78.1	61.6-115			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		87.8	70.5-120			
3-Nitrotoluene	1800	200	ug/kg wet	2000		89.9	77.4-113			
4-Amino-2,6-dinitrotoluene	1540	200	ug/kg wet	2000		77.2	57.5-113			
4-Nitrotoluene	1810	200	ug/kg wet	2000		90.5	74.8-112			
Nitrobenzene	1840	200	ug/kg wet	2000		92.1	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1700</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>87.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.4</i>	<i>65.1-116</i>			

##### Matrix Spike (A910219-MS1)

Source: A193932-06

Prepared: 10/08/2019 Analyzed: 10/09/2019 22:48

1,2-Dimethyl-3,4-Dinitrobenzene	1660	210	ug/kg dry	2056	ND	80.6	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1660	210	ug/kg dry	2080	ND	79.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1800	210	ug/kg dry	2059	ND	87.3	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1670	210	ug/kg dry	2087	ND	80.1	58.4-113			
1,3,5-Trinitrobenzene	977	210	ug/kg dry	2060	ND	47.4	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1730	210	ug/kg dry	2080	ND	83.4	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1820	210	ug/kg dry	2062	ND	88.2	70.7-112			
1,3-Dinitrobenzene	1260	210	ug/kg dry	2060	ND	61.2	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1710	210	ug/kg dry	2066	ND	82.9	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1790	210	ug/kg dry	2087	ND	85.7	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1800	210	ug/kg dry	2056	ND	87.7	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1630	210	ug/kg dry	2072	ND	78.7	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1660	210	ug/kg dry	2025	ND	82.2	58-113			
2,3-Dinitrotoluene	1610	210	ug/kg dry	2060	ND	78.0	61.1-127			
2,4,6-Trinitrotoluene	5890	210	ug/kg dry	2060	5120	37.4	38.8-138			M
2,4-Dinitrotoluene	1670	210	ug/kg dry	2060	ND	81.1	44.1-133			
2,5-Dinitrotoluene	1570	210	ug/kg dry	2060	ND	76.0	58.3-132			
2,6-Dinitrotoluene	1680	210	ug/kg dry	2060	ND	81.5	52.5-128			
2-Amino-4,6-dinitrotoluene	1650	210	ug/kg dry	2060	545	53.6	18-135			
2-Nitrotoluene	1760	210	ug/kg dry	2060	ND	85.7	73.9-113			
3,4-Dinitrotoluene	1560	210	ug/kg dry	2060	ND	75.6	52.8-120			
3,5-Dinitroaniline	1280	210	ug/kg dry	2060	ND	62.2	22.9-131			
3,5-Dinitrotoluene	1680	210	ug/kg dry	2060	ND	81.5	59.3-135			
3-Nitrotoluene	1780	210	ug/kg dry	2060	ND	86.4	73.6-116			
4-Amino-2,6-dinitrotoluene	2610	210	ug/kg dry	2060	1310	63.1	10-144			
4-Nitrotoluene	1790	210	ug/kg dry	2060	ND	87.0	71.2-114			
Nitrobenzene	1800	210	ug/kg dry	2060	ND	87.3	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1440</i>		<i>ug/kg dry</i>	<i>2001</i>		<i>71.9</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1730</i>		<i>ug/kg dry</i>	<i>2060</i>		<i>83.9</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910219 - EPA 3570

##### Matrix Spike Dup (A910219-MSD1)

Source: A193932-06

Prepared: 10/08/2019 Analyzed: 10/09/2019 23:19

1,2-Dimethyl-3,4-Dinitrobenzene	1680	210	ug/kg dry	2056	ND	81.8	59.9-113	1.46	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1680	210	ug/kg dry	2080	ND	80.7	63.5-111	1.04	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1780	210	ug/kg dry	2059	ND	86.7	67.8-114	0.736	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1710	210	ug/kg dry	2087	ND	81.8	58.4-113	2.08	20	
1,3,5-Trinitrobenzene	1060	210	ug/kg dry	2060	ND	51.7	12.3-150	8.60	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1720	210	ug/kg dry	2080	ND	82.6	63.6-111	0.879	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1820	210	ug/kg dry	2062	ND	88.3	70.7-112	0.148	20	
1,3-Dinitrobenzene	1310	210	ug/kg dry	2060	ND	63.7	32.8-135	4.08	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1670	210	ug/kg dry	2066	ND	81.0	58.1-109	2.23	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1770	210	ug/kg dry	2087	ND	84.8	64.1-108	1.02	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1790	210	ug/kg dry	2056	ND	86.9	64.3-107	0.972	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1630	210	ug/kg dry	2072	ND	78.6	61.6-112	0.180	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1690	210	ug/kg dry	2025	ND	83.3	58-113	1.43	20	
2,3-Dinitrotoluene	1620	210	ug/kg dry	2060	ND	78.7	61.1-127	0.994	20	
2,4,6-Trinitrotoluene	15500	210	ug/kg dry	2060	5120	503	38.8-138	89.8	20	M, X
2,4-Dinitrotoluene	1700	210	ug/kg dry	2060	ND	82.7	44.1-133	1.93	20	
2,5-Dinitrotoluene	1610	210	ug/kg dry	2060	ND	78.2	58.3-132	2.76	20	
2,6-Dinitrotoluene	1700	210	ug/kg dry	2060	ND	82.3	52.5-128	1.05	20	
2-Amino-4,6-dinitrotoluene	1860	210	ug/kg dry	2060	545	64.0	18-135	12.2	20	
2-Nitrotoluene	1780	210	ug/kg dry	2060	ND	86.6	73.9-113	1.06	20	
3,4-Dinitrotoluene	1580	210	ug/kg dry	2060	ND	76.5	52.8-120	1.28	20	
3,5-Dinitroaniline	1410	210	ug/kg dry	2060	ND	68.5	22.9-131	9.70	20	
3,5-Dinitrotoluene	1710	210	ug/kg dry	2060	ND	83.0	59.3-135	1.78	20	
3-Nitrotoluene	1790	210	ug/kg dry	2060	ND	86.9	73.6-116	0.504	20	
4-Amino-2,6-dinitrotoluene	2830	210	ug/kg dry	2060	1310	73.8	10-144	8.10	20	
4-Nitrotoluene	1790	210	ug/kg dry	2060	ND	87.0	71.2-114	0.0368	20	
Nitrobenzene	1800	210	ug/kg dry	2060	ND	87.5	72.5-112	0.176	20	
Surrogate: 2,2'-Dinitrobiphenyl	1490		ug/kg dry	2001		74.3	11.5-161			
Surrogate: Nitrobenzene-d5	1770		ug/kg dry	2060		85.9	65.1-116			

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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 A910237 - EPA 3570

##### Blank (A910237-BLK1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:12

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'-Dinitrophenyl	1050	ug/kg wet	1943	54.2	11.5-161
Surrogate: Nitrobenzene-d5	1770	ug/kg wet	2000	88.3	65.1-116

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	1996	91.7	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2020	89.4	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	94.4	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg wet	2026	88.0	68.8-113
1,3,5-Trinitrobenzene	1360	200	ug/kg wet	2000	68.2	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2020	88.5	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002	93.4	75-113
1,3-Dinitrobenzene	1610	200	ug/kg wet	2000	80.5	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2006	94.4	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2026	93.4	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.8	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg wet	2012	88.5	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966	94.3	70.2-109
2,3-Dinitrotoluene	1870	200	ug/kg wet	2000	93.6	64.2-125

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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 A910237 - EPA 3570

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

2,4,6-Trinitrotoluene	1630	200	ug/kg wet	2000		81.6	57.1-139			
2,4-Dinitrotoluene	1900	200	ug/kg wet	2000		95.2	67.4-120			
2,5-Dinitrotoluene	1720	200	ug/kg wet	2000		86.1	62-124			
2,6-Dinitrotoluene	1850	200	ug/kg wet	2000		92.7	74.6-116			
2-Amino-4,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.5	65.9-110			
2-Nitrotoluene	1750	200	ug/kg wet	2000		87.7	76.3-114			
3,4-Dinitrotoluene	1840	200	ug/kg wet	2000		92.1	68.2-117			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000		84.0	61.6-115			
3,5-Dinitrotoluene	1900	200	ug/kg wet	2000		94.9	70.5-120			
3-Nitrotoluene	1790	200	ug/kg wet	2000		89.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1590	200	ug/kg wet	2000		79.7	57.5-113			
4-Nitrotoluene	1850	200	ug/kg wet	2000		92.5	74.8-112			
Nitrobenzene	1890	200	ug/kg wet	2000		94.3	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1600</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>82.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1840</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A910237-MS1)

Source: A193903-48RE1

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:43

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg wet	1996	ND	89.8	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020	ND	86.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	ND	94.4	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.1	58.4-113			
1,3,5-Trinitrobenzene	1340	200	ug/kg wet	2000	ND	67.2	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.8	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2002	ND	92.3	70.7-112			
1,3-Dinitrobenzene	1500	200	ug/kg wet	2000	ND	74.8	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg wet	2006	ND	90.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.3	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg wet	2012	ND	87.0	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	1966	ND	93.3	58-113			
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	89.8	61.1-127			
2,4,6-Trinitrotoluene	26300	800	ug/kg wet	2000	33000	NR	38.8-138			D, M1
2,4-Dinitrotoluene	1880	200	ug/kg wet	2000	87.2	89.4	44.1-133			
2,5-Dinitrotoluene	1690	200	ug/kg wet	2000	ND	84.6	58.3-132			
2,6-Dinitrotoluene	1780	200	ug/kg wet	2000	ND	88.9	52.5-128			
2-Amino-4,6-dinitrotoluene	2780	200	ug/kg wet	2000	707	104	18-135			
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.4	73.9-113			
3,4-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	90.0	52.8-120			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131			
3,5-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.4	59.3-135			
3-Nitrotoluene	1780	200	ug/kg wet	2000	ND	89.2	73.6-116			
4-Amino-2,6-dinitrotoluene	2330	200	ug/kg wet	2000	587	87.3	10-144			
4-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.7	71.2-114			
Nitrobenzene	1850	200	ug/kg wet	2000	ND	92.4	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1560</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>80.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.2</i>	<i>65.1-116</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 A910237 - EPA 3570

##### Matrix Spike Dup (A910237-MSD1)

Source: A193903-48RE1 Prepared: 10/10/2019 Analyzed: 10/10/2019 16:15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.9	59.9-113	3.40	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.7	63.5-111	0.968	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1940	200	ug/kg wet	1999	ND	97.1	67.8-114	2.85	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1880	200	ug/kg wet	2026	ND	92.9	58.4-113	0.920	20	
1,3,5-Trinitrobenzene	1370	200	ug/kg wet	2000	ND	68.7	12.3-150	2.16	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg wet	2020	ND	90.2	63.6-111	2.69	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2002	ND	96.4	70.7-112	4.29	20	
1,3-Dinitrobenzene	1590	200	ug/kg wet	2000	ND	79.4	32.8-135	5.92	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg wet	2006	ND	92.4	58.1-109	1.95	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2026	ND	95.3	64.1-108	3.21	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1930	200	ug/kg wet	1996	ND	96.6	64.3-107	4.17	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg wet	2012	ND	89.8	61.6-112	3.17	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg wet	1966	ND	96.0	58-113	2.89	20	
2,3-Dinitrotoluene	1840	200	ug/kg wet	2000	ND	91.8	61.1-127	2.19	20	
2,4,6-Trinitrotoluene	17600	800	ug/kg wet	2000	33000	NR	38.8-138	39.4	20	D, M1
2,4-Dinitrotoluene	1960	200	ug/kg wet	2000	87.2	93.5	44.1-133	4.27	20	
2,5-Dinitrotoluene	1810	200	ug/kg wet	2000	ND	90.6	58.3-132	6.83	20	
2,6-Dinitrotoluene	1890	200	ug/kg wet	2000	ND	94.3	52.5-128	5.82	20	
2-Amino-4,6-dinitrotoluene	2730	200	ug/kg wet	2000	707	101	18-135	1.67	20	
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.6	73.9-113	0.141	20	
3,4-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.7	52.8-120	3.99	20	
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131	0.0131	20	
3,5-Dinitrotoluene	1940	200	ug/kg wet	2000	ND	96.8	59.3-135	3.54	20	
3-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.3	73.6-116	1.15	20	
4-Amino-2,6-dinitrotoluene	2290	200	ug/kg wet	2000	587	85.3	10-144	1.70	20	
4-Nitrotoluene	1860	200	ug/kg wet	2000	ND	93.1	71.2-114	2.55	20	
Nitrobenzene	1870	200	ug/kg wet	2000	ND	93.6	72.5-112	1.26	20	
Surrogate: 2,2'-Dinitrobiphenyl	1580		ug/kg wet	1943		81.2	11.5-161			
Surrogate: Nitrobenzene-d5	1820		ug/kg wet	2000		90.8	65.1-116			



AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A910223 - % Solids**

<b>Duplicate (A910223-DUP1)</b>	<b>Source: A193931-08</b>		Prepared: 10/08/2019 Analyzed: 10/09/2019 08:04							
% Solids	97.8	0.00	% by Weight		97.9			0.0503	20	

**Batch A910224 - % Solids**

<b>Duplicate (A910224-DUP1)</b>	<b>Source: A193931-28</b>		Prepared: 10/08/2019 Analyzed: 10/09/2019 08:09							
% Solids	97.3	0.00	% by Weight		97.4			0.101	20	

**Batch A910226 - % Solids**

<b>Duplicate (A910226-DUP1)</b>	<b>Source: A193931-29</b>		Prepared: 10/09/2019 Analyzed: 10/10/2019 14:27							
% Solids	97.4	0.00	% by Weight		97.3			0.105	20	

**Batch A910227 - % Solids**

<b>Duplicate (A910227-DUP1)</b>	<b>Source: A193931-49</b>		Prepared: 10/09/2019 Analyzed: 10/10/2019 14:33							
% Solids	97.7	0.00	% by Weight		97.7			0.0430	20	

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### Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **1** of: 6

Project Number: 508001/60505619				PO Number:				Lab Work Order #: <b>A193931</b>				Report To: Sharon Nordstrom															
Project Name: Barksdale Phase 6 Site Investigation								Preservation Codes - A				Company: Aecom															
Project Location (City, State): Barksdale, WI								Analyses Requested				Address 1:															
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush								Matrix				Total # of Containers				NNOC's				Address 2:							
If Rush, Report Due Date:																				E-mail Address: <u>Sharon.nordstrom@aecom.com</u>							
Sampled By (Print): D. Nielsen, D. Barton																				Invoice To:							
Sample Description								Collection Date Time				Matrix				Total # of Containers				NNOC's				Company:			
																								Address 1:			
																				Address 2:							
																				Comments				Lab ID		Lab Receipt Time	
SITG-190925-052-C (0-1')								09/25/19 9:45				S 1 X								01							
SITG-190925-053-C (0-1')								09/25/19 9:46				S 1 X								02							
SITG-190925-053-X (0-1')								09/25/19 9:52				S 1 X								03							
SITG-190925-054-C (0-1')								09/25/19 9:47				S 1 X								04							
SITG-190925-055-C (0-1')								09/25/19 9:48				S 1 X								05							
SITG-190925-055-X (0-1')								09/25/19 9:50				S 1 X								06							
SITG-190925-056-C (0-1')								09/25/19 9:49				S 1 X								07							
SITG-190925-056-X (0-1')								09/25/19 9:51				S 1 X								08							
SITG-190925-057-C (0-3')								09/25/19 9:53				S 1 X								09							
SITG-190925-058-C (0-3')								09/25/19 9:54				S 1 X								10							
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				<b>Other Comments:</b> Fed Ex 7763 38570900 Copy: Original (or 2 or 3)				Relinquished By: <i>[Signature]</i> Date: 9/26/19 Time: 12:00				Received By: <i>[Signature]</i> Date: 09/27/19 Time: 11:00				Relinquished By: Date: Time:				Received By: Date: Time:							
<b>Custody Seal:</b> <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				<b>Shipped Via:</b> Fed Ex				<b>Receipt Temp:</b> 2.4°C				<b>Thermometer #/ Exp. Date:</b> 160142274 12/09/19				<b>Temp Blank:</b> <input type="checkbox"/> Y <input type="checkbox"/> N											

Rev. 12/15





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 Madison, WI 53718  
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 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **2** of: 6

Project Number: 508001/60505619				PO Number:				Preservation Codes - A				Report To: Sharon Nordstrom													
Project Name: Barksdale Phase 6 Site Investigation				Analyses Requested				Address 1:				Company: Aecom													
Project Location (City, State): Barksdale, WI								Address 2:				E-mail Address: <u>Sharon.nordstrom@aecom.com</u>													
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush				Matrix				Total # of Containers				NNOC's				Invoice To:									
If Rush, Report Due Date:																Company:									
Sampled By (Print): D. Nielsen, D. Barton																Address 1:									
Sample Description				Collection		Matrix				Total # of Containers				NNOC's				Comments				Lab ID		Lab Receipt Time	
				Date	Time																	Date		Time	
SITG-190925-059-C (0-2')				09/25/19	9:55	S	1	X											11						
SITG-190925-060-C (0-3')				09/25/19	9:56	S	1	X											12						
SITG-190925-061-C (0-1')				09/25/19	9:57	S	1	X											13						
SITG-190925-062-C (0-2')				09/25/19	9:58	S	1	X											14						
SITG-190925-062-E (0-2')				09/25/19	10:16	S	1	X											15						
SITG-190925-062-X (0-2')				09/25/19	10:17	S	1	X											16						
SITG-190925-063-C (0-2')				09/25/19	9:59	S	1	X											17						
SITG-190925-063-E (0-2')				09/25/19	10:18	S	1	X											18						
SITG-190925-063-X (0-2')				09/25/19	10:19	S	1	X											19						
SITG-190925-064-C (0-2')				09/25/19	10:00	S	1	X											20						
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> Fed Ex 7763 3857 0900 Copy: Original (or 2 or 3)		Relinquished By: <i>[Signature]</i> Date: 9/26/19 Time: 12:00		Relinquished By: Date: Time:		Received By: <i>[Signature]</i> Date: 09/27/19 Time: 1100		Received By: Date: Time:		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: Fed Ex		Receipt Temp: 2.4°C		Thermometer #/ Exp. Date: 160142274 10/20/19		Temp Blank: Y <input type="checkbox"/> N					



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# CHAIN OF CUSTODY

insert COC number

Page: **3** of: 6

Lab Work Order #: <b>A193931</b>		Report To: Sharon Nordstrom	
Project Number: 508001/60505619		Company: Aecom	
PO Number:		Address 1:	
Project Name: Barksdale Phase 6 Site Investigation		Address 2:	
Project Location (City, State): Barksdale, WI		E-mail Address: <u>Sharon.nordstrom@aecom.com</u>	
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Invoice To:	
If Rush, Report Due Date:		Company:	
Sampled By (Print): D. Nielsen, D. Barton		Address 1:	
		Address 2:	
		Comments	
		Lab ID	
		Lab Receipt Time	

Sample Description	Collection		Matrix	Total # of Containers	NNOC's															
	Date	Time																		
SITG-190925-064-X (0-2')	09/25/19	10:08	S	1	X															
SITG-190925-065-C (0-2')	09/25/19	10:01	S	1	X															
SITG-190925-065-X (0-2')	09/25/19	10:09	S	1	X															
SITG-190925-066-C (0-2')	09/25/19	10:02	S	1	X															
SITG-190925-066-X (0-2')	09/25/19	10:10	S	1	X															
SITG-190925-067-C (0-1')	09/25/19	10:03	S	1	X															
SITG-190925-067-X (0-1')	09/25/19	10:11	S	1	X															
SITG-190925-068-C (0-1')	09/25/19	10:04	S	1	X															
SITG-190925-068-C-D (0-1')	09/25/19	10:04	S	1	X														DUP	
SITG-190925-068-X (0-1')	09/25/19	10:12	S	1	X															

<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other	<b>Other Comments:</b> Feb EX 7763 3857 0900 Copy: Original (or 2 or 3)	Relinquished By: <i>[Signature]</i>	Date: 09/25/19	Time: 12:00	Received By: <i>[Signature]</i>	Date: 09/27/19	Time: 1100	
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: FedEx		Receipt Temp: 2.4°C		Thermometer #/ Exp. Date: 1100142274 12/20/19		Temp Blank: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N



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# CHAIN OF CUSTODY

insert COC number

Page: **4** of: 6

Project Number: 508001/60505619		PO Number:		Preservation Codes - A		Report To: Sharon Nordstrom			
Project Name: Barksdale Phase 6 Site Investigation				Analyses Requested		Company: Aecom			
Project Location (City, State): Barksdale, WI						Address 1:			
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush						Address 2:			
If Rush, Report Due Date:						E-mail Address: Sharon.nordstrom@aecom.com			
Sampled By (Print): D. Nielsen, D. Barton						Invoice To:			
						Company:			
						Address 1:			
						Address 2:			
						Comments			
						Lab ID			
						Lab Receipt Time			
Sample Description		Collection		Matrix	Total # of Containers	NNOC's			
		Date	Time						
SITG-190925-069-C (0-2')		09/25/19	10:05	S	1	X			
SITG-190925-069-X (0-2')		09/25/19	10:13	S	1	X			
SITG-190925-070-C (0-2')		09/25/19	10:06	S	1	X			
SITG-190925-070-X (0-2')		09/25/19	10:14	S	1	X			
SITG-190925-071-C (0-2')		09/25/19	10:07	S	1	X			
SITG-190925-071-E (0-2')		09/25/19	10:20	S	1	X			
SITG-190925-071-X (0-2')		09/25/19	10:21	S	1	X			
SITG-190925-071-X-D (0-2')		09/25/19	10:21	S	1	X	DUP		
SITG-190925-072-C (0-2')		09/25/19	10:22	S	1	X			
SITG-190925-072-X (0-2')		09/25/19	10:15	S	1	X			
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> Fed EX 7763 38570900 Copy: Original (or 2 or 3)		Relinquished By: <i>[Signature]</i> Relinquished By:		Date: 9/26/19 Time: 12:00 Received By: <i>[Signature]</i> Received By:		Date: 09/27/19 Time: 1100 Date: Time:	
		Custody Seal:		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:	
		<input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Fed Ex		2.4°C		1100142274 10/20/19	



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# CHAIN OF CUSTODY

insert COC number

Page: **5** of: 6

Project Number: 508001/60505619		PO Number:		Lab Work Order #: <b>A193931</b>				Report To: Sharon Nordstrom							
Project Name: Barksdale Phase 6 Site Investigation				Preservation Codes - A				Company: Aecom							
Project Location (City, State): Barksdale, WI				Analyses Requested				Address 1:							
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush								Address 2:							
If Rush, Report Due Date:								E-mail Address: <u>Sharon.nordstrom@aecom.com</u>							
Sampled By (Print): D. Nielsen, D. Barton				Matrix				Invoice To:							
Sample Description								Total # of Containers		Company:					
		Collection		NNOC's				Address 1:							
		Date	Time					Address 2:							
SITG-190925-073-C (0-2')		09/25/19	14:30	S	1	X		Comments	Lab ID: 41	Lab Receipt Time:					
SITG-190925-073-X (0-2')		09/25/19	14:33	S	1	X			42						
SITG-190925-074-C (0-2')		09/25/19	14:36	S	1	X			43						
SITG-190925-074-N (0-2')		09/25/19	14:39	S	1	X			44						
SITG-190925-074-W (0-2')		09/25/19	14:42	S	1	X			45						
SITG-190925-074-X (0-2')		09/25/19	14:45	S	1	X			46						
SITG-190925-075-C (0-2')		09/25/19	14:48	S	1	X			47						
SITG-190925-075-N (0-2')		09/25/19	14:51	S	1	X			48						
SITG-190925-076-C (0-2')		09/25/19	14:54	S	1	X			49						
SITG-190925-076-C-D (0-2')		09/25/19	14:54	S	1	X		DUP	50						
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> Fed Ex 7763 3857 0900 Copy: Original (or 2 or 3)		Relinquished By: <i>[Signature]</i> Relinquished By:		Date: 9/26/19 Date:		Time: 12:00 Time:		Received By: <i>[Signature]</i> Received By:		Date: 09/27/19 Date:		Time: 1100 Time:	
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: Fed Ex		Receipt Temp: 2.40C		Thermometer #/ Exp. Date: 1100142274 12/20-19		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					

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# CHAIN OF CUSTODY

insert COC number

Page: **6** of: 6

Lab Work Order #: <b>A193931</b>	Report To: Sharon Nordstrom
	Company: Aecom

Project Number: 508001/60505619	PO Number:	Preservation Codes - A	Address 1:
Project Name: Barksdale Phase 6 Site Investigation		Analyses Requested	Address 2:
Project Location (City, State): Barksdale, WI			E-mail Address: <u>Sharon.nordstrom@aecom.com</u>

Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush	Matrix	Total # of Containers	NNOc's							Invoice To:
If Rush, Report Due Date:										Company:
Sampled By (Print): D. Nielsen, D. Barton										Address 1:
										Address 2:

Sample Description	Collection		Matrix	Total # of Containers	NNOc's								Comments	Lab ID	Lab Receipt Time
	Date	Time													
SITG-190925-077-C (0-2')	09/25/19	14:57	S	1	X									51	
SITG-190925-077-W (0-2')	09/25/19	15:00	S	1	X									52	
SITG-190925-077-X (0-2')	09/25/19	15:03	S	1	X									53	
SITG-190925-078-C (0-2')	09/25/19	15:06	S	1	X									54	
SITG-190925-079-C (0-2')	09/25/19	15:09	S	1	X									55	

<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other	<b>Other Comments:</b> For EX 7763 3457 0370 <b>Copy:</b> Original (or 2 or 3)	Relinquished By: <i>Daniel Nielsen</i>	Date: 9/26/19	Time: 12:00	Received By: <i>[Signature]</i>	Date: 09-27-19	Time: 11:00
		Relinquished By:	Date:	Time:	Received By:	Date:	Time:
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via: <i>FEDEX</i>	Receipt Temp: <i>2.6°C</i>	Thermometer #/ Exp. Date: <i>1160142274 12-20-19</i>	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 12, 2019

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 09/27/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-190926-080-C-0-1	A193932-01	Soil	09/26/2019	09/27/2019
SITG-190926-080-C-0-1-D	A193932-02	Soil	09/26/2019	09/27/2019
SITG-190926-081-C-0-1	A193932-03	Soil	09/26/2019	09/27/2019
SITG-190926-081-X-0-1	A193932-04	Soil	09/26/2019	09/27/2019
SITG-190926-082-C-0-1	A193932-05	Soil	09/26/2019	09/27/2019
SITG-190926-082-E-0-1	A193932-06	Soil	09/26/2019	09/27/2019

### CASE NARRATIVE

#### **Sample Receipt Information:**

6 samples were received on 09/27/2019. Samples were received at 2.6 degrees Celsius. Samples were received in acceptable condition.

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

#### **Sample Preparation:**

Sample A193932-04 was re-extracted and re-analyzed for the explosives by GC/MS analysis due to the needed dilution. The re-extraction is presented in this report as sample number A193932-04RE1.

#### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A193932-01 through A193932-03, A193932-05 and A193932-06 states that there was a low CCV recovery for 1,3,5-trinitrobenzene. The lower control limit is 70% and the lowest recovery was 65.4%.

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190926-080-C-0-1**

**A193932-01 (Soil)**

Date Sampled  
**09/26/2019 09:55**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 18:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.7 %		11.5-161	10/08/2019	10/09/2019 18:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.3 %		65.1-116	10/08/2019	10/09/2019 18:37	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190926-080-C-0-1-D**

**A193932-02 (Soil)**

Date Sampled  
**09/26/2019 09:55**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		60.2 %		11.5-161	10/08/2019	10/09/2019 19:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.8 %		65.1-116	10/08/2019	10/09/2019 19:08	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

% Solids	97.9	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190926-081-C-0-1**

**A193932-03 (Soil)**

Date Sampled  
**09/26/2019 09:57**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>870</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>290</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>290</b>	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 19:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.2 %		11.5-161	10/08/2019	10/09/2019 19:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.7 %		65.1-116	10/08/2019	10/09/2019 19:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

<b>% Solids</b>	<b>97.7</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**SITG-190926-081-X-0-1**

Date Sampled

**A193932-04 (Soil)**

09/26/2019 09:59

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

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.7	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190926-081-X-0-1**

**A193932-04RE1 (Soil)**

Date Sampled

09/26/2019 09:59

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: A910237**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>48000</b>	2000	ug/kg dry	10	10/10/2019	10/11/2019 11:06	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>5700</b>	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>4800</b>	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/10/2019	10/11/2019 00:38	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		86.5 %		11.5-161	10/10/2019	10/11/2019 00:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		65.1-116	10/10/2019	10/11/2019 00:38	EPA 8270D	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190926-082-C-0-1**

**A193932-05 (Soil)**

**Date Sampled**  
**09/26/2019 10:01**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/08/2019	10/09/2019 20:42	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.5 %		11.5-161	10/08/2019	10/09/2019 20:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		65.1-116	10/08/2019	10/09/2019 20:42	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190926-082-E-0-1**

Date Sampled

**A193932-06 (Soil)**

**09/26/2019 10:03**

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: A910219**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>5100</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	M, X
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>550</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1300</b>	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	10/08/2019	10/09/2019 21:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		81.8 %		11.5-161	10/08/2019	10/09/2019 21:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.7 %		65.1-116	10/08/2019	10/09/2019 21:14	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910227**

<b>% Solids</b>	<b>97.1</b>	0.00	% by Weight	1	10/09/2019	10/10/2019 14:33	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910219 - EPA 3570

##### Blank (A910219-BLK1)

Prepared: 10/08/2019 Analyzed: 10/09/2019 22:16

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

Surrogate: 2,2'-Dinitrobiphenyl	1190	ug/kg wet	1943	61.5	11.5-161
Surrogate: Nitrobenzene-d5	1700	ug/kg wet	2000	85.2	65.1-116

##### LCS (A910219-BS1)

Prepared: 10/08/2019 Analyzed: 10/09/2019 21:45

1,2-Dimethyl-3,4-Dinitrobenzene	1840	200	ug/kg wet	1996	91.9	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020	87.1	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1850	200	ug/kg wet	1999	92.7	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1790	200	ug/kg wet	2026	88.1	68.8-113
1,3,5-Trinitrobenzene	1170	200	ug/kg wet	2000	58.7	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg wet	2020	88.3	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2002	93.7	75-113
1,3-Dinitrobenzene	1410	200	ug/kg wet	2000	70.3	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2006	89.8	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2026	91.2	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1840	200	ug/kg wet	1996	92.1	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1770	200	ug/kg wet	2012	88.1	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg wet	1966	89.4	70.2-109
2,3-Dinitrotoluene	1830	200	ug/kg wet	2000	91.3	64.2-125

AECOM  
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Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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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 A910219 - EPA 3570

##### LCS (A910219-BS1)

Prepared: 10/08/2019 Analyzed: 10/09/2019 21:45

2,4,6-Trinitrotoluene	1600	200	ug/kg wet	2000		80.2	57.1-139			
2,4-Dinitrotoluene	1770	200	ug/kg wet	2000		88.6	67.4-120			
2,5-Dinitrotoluene	1640	200	ug/kg wet	2000		82.1	62-124			
2,6-Dinitrotoluene	1770	200	ug/kg wet	2000		88.6	74.6-116			
2-Amino-4,6-dinitrotoluene	1570	200	ug/kg wet	2000		78.7	65.9-110			
2-Nitrotoluene	1770	200	ug/kg wet	2000		88.5	76.3-114			
3,4-Dinitrotoluene	1760	200	ug/kg wet	2000		88.1	68.2-117			
3,5-Dinitroaniline	1560	200	ug/kg wet	2000		78.1	61.6-115			
3,5-Dinitrotoluene	1760	200	ug/kg wet	2000		87.8	70.5-120			
3-Nitrotoluene	1800	200	ug/kg wet	2000		89.9	77.4-113			
4-Amino-2,6-dinitrotoluene	1540	200	ug/kg wet	2000		77.2	57.5-113			
4-Nitrotoluene	1810	200	ug/kg wet	2000		90.5	74.8-112			
Nitrobenzene	1840	200	ug/kg wet	2000		92.1	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1700</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>87.6</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1790</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.4</i>	<i>65.1-116</i>			

##### Matrix Spike (A910219-MS1)

Source: A193932-06

Prepared: 10/08/2019 Analyzed: 10/09/2019 22:48

1,2-Dimethyl-3,4-Dinitrobenzene	1660	210	ug/kg dry	2056	ND	80.6	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1660	210	ug/kg dry	2080	ND	79.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1800	210	ug/kg dry	2059	ND	87.3	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1670	210	ug/kg dry	2087	ND	80.1	58.4-113			
1,3,5-Trinitrobenzene	977	210	ug/kg dry	2060	ND	47.4	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1730	210	ug/kg dry	2080	ND	83.4	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1820	210	ug/kg dry	2062	ND	88.2	70.7-112			
1,3-Dinitrobenzene	1260	210	ug/kg dry	2060	ND	61.2	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1710	210	ug/kg dry	2066	ND	82.9	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1790	210	ug/kg dry	2087	ND	85.7	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1800	210	ug/kg dry	2056	ND	87.7	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1630	210	ug/kg dry	2072	ND	78.7	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1660	210	ug/kg dry	2025	ND	82.2	58-113			
2,3-Dinitrotoluene	1610	210	ug/kg dry	2060	ND	78.0	61.1-127			
2,4,6-Trinitrotoluene	5890	210	ug/kg dry	2060	5120	37.4	38.8-138			M
2,4-Dinitrotoluene	1670	210	ug/kg dry	2060	ND	81.1	44.1-133			
2,5-Dinitrotoluene	1570	210	ug/kg dry	2060	ND	76.0	58.3-132			
2,6-Dinitrotoluene	1680	210	ug/kg dry	2060	ND	81.5	52.5-128			
2-Amino-4,6-dinitrotoluene	1650	210	ug/kg dry	2060	545	53.6	18-135			
2-Nitrotoluene	1760	210	ug/kg dry	2060	ND	85.7	73.9-113			
3,4-Dinitrotoluene	1560	210	ug/kg dry	2060	ND	75.6	52.8-120			
3,5-Dinitroaniline	1280	210	ug/kg dry	2060	ND	62.2	22.9-131			
3,5-Dinitrotoluene	1680	210	ug/kg dry	2060	ND	81.5	59.3-135			
3-Nitrotoluene	1780	210	ug/kg dry	2060	ND	86.4	73.6-116			
4-Amino-2,6-dinitrotoluene	2610	210	ug/kg dry	2060	1310	63.1	10-144			
4-Nitrotoluene	1790	210	ug/kg dry	2060	ND	87.0	71.2-114			
Nitrobenzene	1800	210	ug/kg dry	2060	ND	87.3	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1440</i>		<i>ug/kg dry</i>	<i>2001</i>		<i>71.9</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1730</i>		<i>ug/kg dry</i>	<i>2060</i>		<i>83.9</i>	<i>65.1-116</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 A910219 - EPA 3570

##### Matrix Spike Dup (A910219-MSD1)

Source: A193932-06

Prepared: 10/08/2019 Analyzed: 10/09/2019 23:19

1,2-Dimethyl-3,4-Dinitrobenzene	1680	210	ug/kg dry	2056	ND	81.8	59.9-113	1.46	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1680	210	ug/kg dry	2080	ND	80.7	63.5-111	1.04	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1780	210	ug/kg dry	2059	ND	86.7	67.8-114	0.736	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1710	210	ug/kg dry	2087	ND	81.8	58.4-113	2.08	20	
1,3,5-Trinitrobenzene	1060	210	ug/kg dry	2060	ND	51.7	12.3-150	8.60	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1720	210	ug/kg dry	2080	ND	82.6	63.6-111	0.879	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1820	210	ug/kg dry	2062	ND	88.3	70.7-112	0.148	20	
1,3-Dinitrobenzene	1310	210	ug/kg dry	2060	ND	63.7	32.8-135	4.08	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1670	210	ug/kg dry	2066	ND	81.0	58.1-109	2.23	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1770	210	ug/kg dry	2087	ND	84.8	64.1-108	1.02	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1790	210	ug/kg dry	2056	ND	86.9	64.3-107	0.972	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1630	210	ug/kg dry	2072	ND	78.6	61.6-112	0.180	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1690	210	ug/kg dry	2025	ND	83.3	58-113	1.43	20	
2,3-Dinitrotoluene	1620	210	ug/kg dry	2060	ND	78.7	61.1-127	0.994	20	
2,4,6-Trinitrotoluene	15500	210	ug/kg dry	2060	5120	503	38.8-138	89.8	20	M, X
2,4-Dinitrotoluene	1700	210	ug/kg dry	2060	ND	82.7	44.1-133	1.93	20	
2,5-Dinitrotoluene	1610	210	ug/kg dry	2060	ND	78.2	58.3-132	2.76	20	
2,6-Dinitrotoluene	1700	210	ug/kg dry	2060	ND	82.3	52.5-128	1.05	20	
2-Amino-4,6-dinitrotoluene	1860	210	ug/kg dry	2060	545	64.0	18-135	12.2	20	
2-Nitrotoluene	1780	210	ug/kg dry	2060	ND	86.6	73.9-113	1.06	20	
3,4-Dinitrotoluene	1580	210	ug/kg dry	2060	ND	76.5	52.8-120	1.28	20	
3,5-Dinitroaniline	1410	210	ug/kg dry	2060	ND	68.5	22.9-131	9.70	20	
3,5-Dinitrotoluene	1710	210	ug/kg dry	2060	ND	83.0	59.3-135	1.78	20	
3-Nitrotoluene	1790	210	ug/kg dry	2060	ND	86.9	73.6-116	0.504	20	
4-Amino-2,6-dinitrotoluene	2830	210	ug/kg dry	2060	1310	73.8	10-144	8.10	20	
4-Nitrotoluene	1790	210	ug/kg dry	2060	ND	87.0	71.2-114	0.0368	20	
Nitrobenzene	1800	210	ug/kg dry	2060	ND	87.5	72.5-112	0.176	20	
Surrogate: 2,2'-Dinitrobiphenyl	1490		ug/kg dry	2001		74.3	11.5-161			
Surrogate: Nitrobenzene-d5	1770		ug/kg dry	2060		85.9	65.1-116			

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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 A910237 - EPA 3570

##### Blank (A910237-BLK1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:12

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'-Dinitrophenyl	1050	ug/kg wet	1943	54.2	11.5-161
Surrogate: Nitrobenzene-d5	1770	ug/kg wet	2000	88.3	65.1-116

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	1996	91.7	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2020	89.4	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	94.4	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	1780	200	ug/kg wet	2026	88.0	68.8-113
1,3,5-Trinitrobenzene	1360	200	ug/kg wet	2000	68.2	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2020	88.5	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2002	93.4	75-113
1,3-Dinitrobenzene	1610	200	ug/kg wet	2000	80.5	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2006	94.4	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2026	93.4	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	1996	94.8	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg wet	2012	88.5	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966	94.3	70.2-109
2,3-Dinitrotoluene	1870	200	ug/kg wet	2000	93.6	64.2-125

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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 A910237 - EPA 3570

##### LCS (A910237-BS1)

Prepared: 10/10/2019 Analyzed: 10/10/2019 14:41

2,4,6-Trinitrotoluene	1630	200	ug/kg wet	2000		81.6	57.1-139			
2,4-Dinitrotoluene	1900	200	ug/kg wet	2000		95.2	67.4-120			
2,5-Dinitrotoluene	1720	200	ug/kg wet	2000		86.1	62-124			
2,6-Dinitrotoluene	1850	200	ug/kg wet	2000		92.7	74.6-116			
2-Amino-4,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.5	65.9-110			
2-Nitrotoluene	1750	200	ug/kg wet	2000		87.7	76.3-114			
3,4-Dinitrotoluene	1840	200	ug/kg wet	2000		92.1	68.2-117			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000		84.0	61.6-115			
3,5-Dinitrotoluene	1900	200	ug/kg wet	2000		94.9	70.5-120			
3-Nitrotoluene	1790	200	ug/kg wet	2000		89.4	77.4-113			
4-Amino-2,6-dinitrotoluene	1590	200	ug/kg wet	2000		79.7	57.5-113			
4-Nitrotoluene	1850	200	ug/kg wet	2000		92.5	74.8-112			
Nitrobenzene	1890	200	ug/kg wet	2000		94.3	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1600</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>82.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1840</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.8</i>	<i>65.1-116</i>			

##### Matrix Spike (A910237-MS1)

Source: A193903-48RE1

Prepared: 10/10/2019 Analyzed: 10/10/2019 15:43

1,2-Dimethyl-3,4-Dinitrobenzene	1790	200	ug/kg wet	1996	ND	89.8	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg wet	2020	ND	86.9	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	1999	ND	94.4	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.1	58.4-113			
1,3,5-Trinitrobenzene	1340	200	ug/kg wet	2000	ND	67.2	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.8	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2002	ND	92.3	70.7-112			
1,3-Dinitrobenzene	1500	200	ug/kg wet	2000	ND	74.8	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg wet	2006	ND	90.7	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2026	ND	92.3	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.6	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg wet	2012	ND	87.0	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	1966	ND	93.3	58-113			
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	89.8	61.1-127			
2,4,6-Trinitrotoluene	26300	800	ug/kg wet	2000	33000	NR	38.8-138			D, M1
2,4-Dinitrotoluene	1880	200	ug/kg wet	2000	87.2	89.4	44.1-133			
2,5-Dinitrotoluene	1690	200	ug/kg wet	2000	ND	84.6	58.3-132			
2,6-Dinitrotoluene	1780	200	ug/kg wet	2000	ND	88.9	52.5-128			
2-Amino-4,6-dinitrotoluene	2780	200	ug/kg wet	2000	707	104	18-135			
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.4	73.9-113			
3,4-Dinitrotoluene	1800	200	ug/kg wet	2000	ND	90.0	52.8-120			
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131			
3,5-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.4	59.3-135			
3-Nitrotoluene	1780	200	ug/kg wet	2000	ND	89.2	73.6-116			
4-Amino-2,6-dinitrotoluene	2330	200	ug/kg wet	2000	587	87.3	10-144			
4-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.7	71.2-114			
Nitrobenzene	1850	200	ug/kg wet	2000	ND	92.4	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1560</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>80.1</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>89.2</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910237 - EPA 3570

##### Matrix Spike Dup (A910237-MSD1)

Source: A193903-48RE1

Prepared: 10/10/2019 Analyzed: 10/10/2019 16:15

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg wet	1996	ND	92.9	59.9-113	3.40	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg wet	2020	ND	87.7	63.5-111	0.968	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1940	200	ug/kg wet	1999	ND	97.1	67.8-114	2.85	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1880	200	ug/kg wet	2026	ND	92.9	58.4-113	0.920	20	
1,3,5-Trinitrobenzene	1370	200	ug/kg wet	2000	ND	68.7	12.3-150	2.16	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg wet	2020	ND	90.2	63.6-111	2.69	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2002	ND	96.4	70.7-112	4.29	20	
1,3-Dinitrobenzene	1590	200	ug/kg wet	2000	ND	79.4	32.8-135	5.92	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg wet	2006	ND	92.4	58.1-109	1.95	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2026	ND	95.3	64.1-108	3.21	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1930	200	ug/kg wet	1996	ND	96.6	64.3-107	4.17	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg wet	2012	ND	89.8	61.6-112	3.17	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg wet	1966	ND	96.0	58-113	2.89	20	
2,3-Dinitrotoluene	1840	200	ug/kg wet	2000	ND	91.8	61.1-127	2.19	20	
2,4,6-Trinitrotoluene	17600	800	ug/kg wet	2000	33000	NR	38.8-138	39.4	20	D, M1
2,4-Dinitrotoluene	1960	200	ug/kg wet	2000	87.2	93.5	44.1-133	4.27	20	
2,5-Dinitrotoluene	1810	200	ug/kg wet	2000	ND	90.6	58.3-132	6.83	20	
2,6-Dinitrotoluene	1890	200	ug/kg wet	2000	ND	94.3	52.5-128	5.82	20	
2-Amino-4,6-dinitrotoluene	2730	200	ug/kg wet	2000	707	101	18-135	1.67	20	
2-Nitrotoluene	1750	200	ug/kg wet	2000	ND	87.6	73.9-113	0.141	20	
3,4-Dinitrotoluene	1870	200	ug/kg wet	2000	ND	93.7	52.8-120	3.99	20	
3,5-Dinitroaniline	1680	200	ug/kg wet	2000	106	78.5	22.9-131	0.0131	20	
3,5-Dinitrotoluene	1940	200	ug/kg wet	2000	ND	96.8	59.3-135	3.54	20	
3-Nitrotoluene	1810	200	ug/kg wet	2000	ND	90.3	73.6-116	1.15	20	
4-Amino-2,6-dinitrotoluene	2290	200	ug/kg wet	2000	587	85.3	10-144	1.70	20	
4-Nitrotoluene	1860	200	ug/kg wet	2000	ND	93.1	71.2-114	2.55	20	
Nitrobenzene	1870	200	ug/kg wet	2000	ND	93.6	72.5-112	1.26	20	
Surrogate: 2,2'-Dinitrobiphenyl	1580		ug/kg wet	1943		81.2	11.5-161			
Surrogate: Nitrobenzene-d5	1820		ug/kg wet	2000		90.8	65.1-116			

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A910227 - % Solids**

Duplicate (A910227-DUP1)	Source: A193931-49	Prepared: 10/09/2019	Analyzed: 10/10/2019 14:33		
% Solids	97.7	0.00 % by Weight	97.7	0.0430	20

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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.
- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **1** of: 1

Project Number: 508001/60505619			PO Number:			Lab Work Order #: <b>A193932</b>			Report To: Sharon Nordstrom																																																																																																																																																																																																																																																																																																						
Project Name: Barksdale Phase 6 Site Investigation						Preservation Codes - A			Company: Aecom																																																																																																																																																																																																																																																																																																						
Project Location (City, State): Barksdale, WI						Analyses Requested			Address 1:																																																																																																																																																																																																																																																																																																						
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If Rush, Report Due Date:									E-mail Address: <u>Sharon.nordstrom@aecom.com</u>																																																																																																																																																																																																																																																																																																						
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<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">NNOC's</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"></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"></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-190926-080-C (0-1')</td> <td>09/26/19</td> <td>9:55</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>01</td> </tr> <tr> <td>SITG-190926-080-C-D (0-1')</td> <td>09/26/19</td> <td>9:55</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>02</td> </tr> <tr> <td>SITG-190926-081-C (0-1')</td> <td>09/26/19</td> <td>9:57</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>03</td> </tr> <tr> <td>SITG-190926-081-X (0-1')</td> <td>09/26/19</td> <td>9:59</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>04</td> </tr> <tr> <td>SITG-190926-082-C (0-1')</td> <td>09/26/19</td> <td>10:01</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>05</td> </tr> <tr> <td>SITG-190926-082-E (0-1')</td> <td>09/26/19</td> <td>10:03</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>06</td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>									Sample Description	Collection		Matrix	Total # of Containers	NNOC's																Comments	Lab ID	Lab Receipt Time	Date	Time	SITG-190926-080-C (0-1')	09/26/19	9:55	S	1	X																		01	SITG-190926-080-C-D (0-1')	09/26/19	9:55	S	1	X																		02	SITG-190926-081-C (0-1')	09/26/19	9:57	S	1	X																		03	SITG-190926-081-X (0-1')	09/26/19	9:59	S	1	X																		04	SITG-190926-082-C (0-1')	09/26/19	10:01	S	1	X																		05	SITG-190926-082-E (0-1')	09/26/19	10:03	S	1	X																		06																																																																																																																													
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<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)	<b>Other Comments:</b> FedEx 7763 38570370 Copy:	Relinquished By: <u>Daniel Wilson</u> Date: <u>9/26/19</u> Time: <u>12:00</u>	Received By: <u>[Signature]</u> Date: <u>09-27-19</u> Time: <u>11:00</u>
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Relinquished By: _____ Date: _____ Time: _____	Received By: _____ Date: _____ Time: _____
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>FedEx</u>	Receipt Temp: <u>2.10°C</u>
Original (or 2 or 3)		Thermometer # Exp. Date: <u>1100142274 12-20-19</u>	Temp Blank: <u>X</u> Y <input type="checkbox"/> N

Page 18 of 18 A193932 FINAL 10 12 2019 1420



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

October 29, 2019

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 10/17/2019.

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**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-191007-WWIPOND	A194212-01	Soil	10/07/2019	10/17/2019
SITG-191015-077-W-R-0-3	A194212-02	Soil	10/15/2019	10/17/2019
SITG-191015-077-W-R-0-3-D	A194212-03	Soil	10/15/2019	10/17/2019
SIGP-191015-PAJ-71-0-2	A194212-04	Soil	10/15/2019	10/17/2019
SIGP-191015-PAJ-71-2-4	A194212-05	Soil	10/15/2019	10/17/2019
SITG-191010-089-C-0-3	A194212-06	Soil	10/10/2019	10/17/2019
SITG-191010-089-N-0-3	A194212-07	Soil	10/10/2019	10/17/2019
SITG-191010-089-S-0-3	A194212-08	Soil	10/10/2019	10/17/2019
SITG-191010-090-C-0-3	A194212-09	Soil	10/10/2019	10/17/2019
SITG-191010-090-N-0-3	A194212-10	Soil	10/10/2019	10/17/2019
SITG-191010-090-S-0-3	A194212-11	Soil	10/10/2019	10/17/2019
SITG-191008-083-C-0-8	A194212-12	Soil	10/08/2019	10/17/2019
SITG-190927-084-C-0-3	A194212-13	Soil	09/27/2019	10/17/2019
SITG-191008-085-C-0-8	A194212-14	Soil	10/08/2019	10/17/2019
SITG-191008-086-C-0-8	A194212-15	Soil	10/08/2019	10/17/2019
SITG-191008-087-C-0-8	A194212-16	Soil	10/08/2019	10/17/2019
SITG-191008-088-C-0-8	A194212-17	Soil	10/08/2019	10/17/2019
SITG-191008-043-W-R-0-4	A194212-18	Soil	10/08/2019	10/17/2019
SITG-191008-043-W-R-0-4-D	A194212-19	Soil	10/08/2019	10/17/2019

### CASE NARRATIVE

#### **Sample Receipt Information:**

19 samples were received on 10/17/2019. Samples were received at 2.3 degrees Celsius. Samples were received in acceptable condition.

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

#### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A194212-05 through A194212-18 states that there was a low CCV recovery for 1,3,5-trinitrobenzene. The lower control limit is 70% and the lowest recovery was 67.6%.

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191007-WWIPOND**

Date Sampled  
**10/07/2019 11:00**

**A194212-01 (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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
<b>1,3-Dinitrobenzene</b>	<b>6100</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>9700000</b>	160000	ug/kg dry	800	10/21/2019	10/28/2019 15:11	EPA 8270D	D
<b>2,4-Dinitrotoluene</b>	<b>13000</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
<b>2,5-Dinitrotoluene</b>	<b>240</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
<b>2,6-Dinitrotoluene</b>	<b>370</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>3000</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
<b>3,5-Dinitrotoluene</b>	<b>750</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>3600</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 19:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		14.2 %		11.5-161	10/21/2019	10/22/2019 19:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.6 %		65.1-116	10/21/2019	10/22/2019 19:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191015-077-W-R-0-3**

**A194212-02 (Soil)**

**Date Sampled**

**10/15/2019 09:12**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>17000</b>	410	ug/kg dry	2	10/21/2019	10/23/2019 22:33	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>790</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>410</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		87.3 %	11.5-161		10/21/2019	10/22/2019 20:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.3 %	65.1-116		10/21/2019	10/22/2019 20:03	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-191015-077-W-R-0-3-D**

**A194212-03 (Soil)**

Date Sampled

10/15/2019 09:12

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>320</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>230</b>	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 20:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.2 %		11.5-161	10/21/2019	10/22/2019 20:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.0 %		65.1-116	10/21/2019	10/22/2019 20:34	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-191015-PAJ-71-0-2**

**A194212-04 (Soil)**

**Date Sampled**

**10/15/2019 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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/22/2019 21:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.0 %		11.5-161	10/21/2019	10/22/2019 21:06	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.4 %		65.1-116	10/21/2019	10/22/2019 21:06	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.8</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SIGP-191015-PAJ-71-2-4**

**A194212-05 (Soil)**

**Date Sampled**  
**10/15/2019 14:28**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:01	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		44.5 %		11.5-161	10/21/2019	10/23/2019 11:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.7 %		65.1-116	10/21/2019	10/23/2019 11:01	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191010-089-C-0-3**

Date Sampled

**A194212-06 (Soil)**

**10/10/2019 08:30**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>270</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>320</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 11:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		52.4 %		11.5-161	10/21/2019	10/23/2019 11:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.8 %		65.1-116	10/21/2019	10/23/2019 11:33	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191010-089-N-0-3**

Date Sampled

**A194212-07 (Soil)**

**10/10/2019 08:33**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>31000</b>	2000	ug/kg dry	10	10/21/2019	10/28/2019 16:46	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>210</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.0 %		11.5-161	10/21/2019	10/23/2019 12:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.3 %		65.1-116	10/21/2019	10/23/2019 12:04	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>97.8</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191010-089-S-0-3**

Date Sampled

**A194212-08 (Soil)**

**10/10/2019 08:36**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>490</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>1700</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1100</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 12:36	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		69.9 %		11.5-161	10/21/2019	10/23/2019 12:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.7 %		65.1-116	10/21/2019	10/23/2019 12:36	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>97.6</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191010-090-C-0-3**

**A194212-09 (Soil)**

Date Sampled

10/10/2019 08:39

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>10000</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>330</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>330</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.7 %	11.5-161		10/21/2019	10/23/2019 13:07	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.5 %	65.1-116		10/21/2019	10/23/2019 13:07	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191010-090-N-0-3**

**A194212-10 (Soil)**

Date Sampled  
**10/10/2019 08:42**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>39000</b>	2000	ug/kg dry	10	10/21/2019	10/28/2019 17:49	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>620</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>590</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 13:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.0 %	11.5-161		10/21/2019	10/23/2019 13:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.0 %	65.1-116		10/21/2019	10/23/2019 13:39	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191010-090-S-0-3**

**A194212-11 (Soil)**

Date Sampled

10/10/2019 08:45

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>2000</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:10	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.6 %		11.5-161	10/21/2019	10/23/2019 14:10	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.5 %		65.1-116	10/21/2019	10/23/2019 14:10	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191008-083-C-0-8**

A194212-12 (Soil)

Date Sampled  
10/08/2019 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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 14:42	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		49.7 %	11.5-161		10/21/2019	10/23/2019 14:42	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.8 %	65.1-116		10/21/2019	10/23/2019 14:42	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

% Solids	99.3	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-190927-084-C-0-3**

**A194212-13 (Soil)**

**Date Sampled**  
**09/27/2019 10:10**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:13	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		45.0 %	11.5-161		10/21/2019	10/23/2019 15:13	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.4 %	65.1-116		10/21/2019	10/23/2019 15:13	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>99.3</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191008-085-C-0-8**

**A194212-14 (Soil)**

**Date Sampled**

**10/08/2019 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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 15:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		43.3 %		11.5-161	10/21/2019	10/23/2019 15:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.8 %		65.1-116	10/21/2019	10/23/2019 15:45	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>99.6</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191008-086-C-0-8**

**A194212-15 (Soil)**

**Date Sampled**  
**10/08/2019 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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.8 %	11.5-161		10/21/2019	10/23/2019 17:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.7 %	65.1-116		10/21/2019	10/23/2019 17:19	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

<b>% Solids</b>	<b>99.5</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191008-087-C-0-8**

**A194212-16 (Soil)**

Date Sampled

10/08/2019 11:15

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 17:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		47.5 %		11.5-161	10/21/2019	10/23/2019 17:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		65.1-116	10/21/2019	10/23/2019 17:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910277**

% Solids	98.9	0.00	% by Weight	1	10/22/2019	10/23/2019 09:19	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191008-088-C-0-8**

**A194212-17 (Soil)**

Date Sampled

10/08/2019 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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:22	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		41.2 %	11.5-161		10/21/2019	10/23/2019 18:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		68.4 %	65.1-116		10/21/2019	10/23/2019 18:22	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910278**

% Solids	98.7	0.00	% by Weight	1	10/22/2019	10/23/2019 09:17	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191008-043-W-R-0-4**

Date Sampled

**A194212-18 (Soil)**

**10/08/2019 14:01**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>6700</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 18:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		61.0 %		11.5-161	10/21/2019	10/23/2019 18:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.6 %		65.1-116	10/21/2019	10/23/2019 18:54	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910278**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:17	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191008-043-W-R-0-4-D**

**A194212-19 (Soil)**

Date Sampled  
**10/08/2019 14:01**

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: A910270**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>390</b>	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	M
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	10/21/2019	10/23/2019 09:27	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.1 %		11.5-161	10/21/2019	10/23/2019 09:27	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.6 %		65.1-116	10/21/2019	10/23/2019 09:27	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910278**

<b>% Solids</b>	<b>98.8</b>	0.00	% by Weight	1	10/22/2019	10/23/2019 09:17	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910270 - EPA 3570

##### Blank (A910270-BLK1)

Prepared: 10/21/2019 Analyzed: 10/22/2019 11:23

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	1270		ug/kg wet	1943		65.1	11.5-161			
Surrogate: Nitrobenzene-d5	1890		ug/kg wet	2000		94.6	65.1-116			

##### LCS (A910270-BS1)

Prepared: 10/21/2019 Analyzed: 10/22/2019 12:26

1,2-Dimethyl-3,4-Dinitrobenzene	1920	200	ug/kg wet	1996		96.3	73.6-111			
1,2-Dimethyl-3,5-Dinitrobenzene	1820	200	ug/kg wet	2020		90.3	71.6-112			
1,2-Dimethyl-3,6-Dinitrobenzene	2030	200	ug/kg wet	1999		101	76.3-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1870	200	ug/kg wet	2026		92.3	68.8-113			
1,3,5-Trinitrobenzene	1360	200	ug/kg wet	2000		68.2	50.6-126			
1,3-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	2020		90.7	67.9-111			
1,3-Dimethyl-2,5-Dinitrobenzene	2000	200	ug/kg wet	2002		99.7	75-113			
1,3-Dinitrobenzene	1490	200	ug/kg wet	2000		74.3	52.9-125			
1,4-Dimethyl-2,3-Dinitrobenzene	1940	200	ug/kg wet	2006		96.9	72.6-107			
1,4-Dimethyl-2,5-Dinitrobenzene	1990	200	ug/kg wet	2026		98.0	70.8-106			
1,4-Dimethyl-2,6-Dinitrobenzene	1950	200	ug/kg wet	1996		97.9	68.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2012		92.4	73.3-110			
1,5-Dimethyl-2,4-Dinitrobenzene	1900	200	ug/kg wet	1966		96.7	70.2-109			
2,3-Dinitrotoluene	1970	200	ug/kg wet	2000		98.5	64.2-125			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910270 - EPA 3570

##### LCS (A910270-BS1)

Prepared: 10/21/2019 Analyzed: 10/22/2019 12:26

2,4,6-Trinitrotoluene	1680	200	ug/kg wet	2000		83.8	57.1-139			
2,4-Dinitrotoluene	1900	200	ug/kg wet	2000		94.8	67.4-120			
2,5-Dinitrotoluene	1800	200	ug/kg wet	2000		89.8	62-124			
2,6-Dinitrotoluene	1900	200	ug/kg wet	2000		94.8	74.6-116			
2-Amino-4,6-dinitrotoluene	1630	200	ug/kg wet	2000		81.4	65.9-110			
2-Nitrotoluene	1720	200	ug/kg wet	2000		86.0	76.3-114			
3,4-Dinitrotoluene	1960	200	ug/kg wet	2000		97.9	68.2-117			
3,5-Dinitroaniline	1710	200	ug/kg wet	2000		85.5	61.6-115			
3,5-Dinitrotoluene	1970	200	ug/kg wet	2000		98.3	70.5-120			
3-Nitrotoluene	1760	200	ug/kg wet	2000		88.0	77.4-113			
4-Amino-2,6-dinitrotoluene	1620	200	ug/kg wet	2000		80.8	57.5-113			
4-Nitrotoluene	1810	200	ug/kg wet	2000		90.7	74.8-112			
Nitrobenzene	1910	200	ug/kg wet	2000		95.4	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1620</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>83.4</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>88.9</i>	<i>65.1-116</i>			

##### Matrix Spike (A910270-MS1)

Source: A194212-19

Prepared: 10/21/2019 Analyzed: 10/23/2019 09:58

1,2-Dimethyl-3,4-Dinitrobenzene	1860	200	ug/kg dry	2021	ND	92.1	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg dry	2046	ND	86.3	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1980	200	ug/kg dry	2024	ND	97.7	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1830	200	ug/kg dry	2052	ND	89.2	58.4-113			
1,3,5-Trinitrobenzene	1380	200	ug/kg dry	2025	121	61.9	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg dry	2046	ND	86.9	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1980	200	ug/kg dry	2027	ND	97.4	70.7-112			
1,3-Dinitrobenzene	1370	200	ug/kg dry	2025	ND	67.5	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg dry	2031	ND	91.6	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg dry	2052	ND	94.1	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg dry	2021	ND	94.4	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1770	200	ug/kg dry	2037	ND	86.8	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	1991	ND	91.4	58-113			
2,3-Dinitrotoluene	1830	200	ug/kg dry	2025	ND	90.4	61.1-127			
2,4,6-Trinitrotoluene	3220	200	ug/kg dry	2025	394	139	38.8-138			M
2,4-Dinitrotoluene	1860	200	ug/kg dry	2025	ND	92.0	44.1-133			
2,5-Dinitrotoluene	1700	200	ug/kg dry	2025	ND	84.0	58.3-132			
2,6-Dinitrotoluene	1830	200	ug/kg dry	2025	ND	90.6	52.5-128			
2-Amino-4,6-dinitrotoluene	1390	200	ug/kg dry	2025	112	63.3	18-135			
2-Nitrotoluene	1710	200	ug/kg dry	2025	ND	84.6	73.9-113			
3,4-Dinitrotoluene	1830	200	ug/kg dry	2025	ND	90.2	52.8-120			
3,5-Dinitroaniline	1480	200	ug/kg dry	2025	ND	73.0	22.9-131			
3,5-Dinitrotoluene	1910	200	ug/kg dry	2025	ND	94.1	59.3-135			
3-Nitrotoluene	1770	200	ug/kg dry	2025	ND	87.2	73.6-116			
4-Amino-2,6-dinitrotoluene	1460	200	ug/kg dry	2025	99.2	67.0	10-144			
4-Nitrotoluene	1810	200	ug/kg dry	2025	ND	89.1	71.2-114			
Nitrobenzene	1900	200	ug/kg dry	2025	ND	94.0	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1480</i>		<i>ug/kg dry</i>	<i>1968</i>		<i>75.2</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>ug/kg dry</i>	<i>2025</i>		<i>87.9</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A910270 - EPA 3570

##### Matrix Spike Dup (A910270-MSD1)

Source: A194212-19

Prepared: 10/21/2019 Analyzed: 10/23/2019 10:30

1,2-Dimethyl-3,4-Dinitrobenzene	1860	200	ug/kg dry	2021	ND	91.8	59.9-113	0.372	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1750	200	ug/kg dry	2046	ND	85.7	63.5-111	0.686	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1990	200	ug/kg dry	2024	ND	98.3	67.8-114	0.659	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1840	200	ug/kg dry	2052	ND	89.6	58.4-113	0.507	20	
1,3,5-Trinitrobenzene	1380	200	ug/kg dry	2025	121	62.2	12.3-150	0.442	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2046	ND	87.6	63.6-111	0.787	20	
1,3-Dimethyl-2,5-Dinitrobenzene	2000	200	ug/kg dry	2027	ND	98.8	70.7-112	1.43	20	
1,3-Dinitrobenzene	1410	200	ug/kg dry	2025	ND	69.6	32.8-135	3.16	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg dry	2031	ND	91.5	58.1-109	0.0925	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg dry	2052	ND	95.6	64.1-108	1.53	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1940	200	ug/kg dry	2021	ND	96.0	64.3-107	1.74	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1760	200	ug/kg dry	2037	ND	86.2	61.6-112	0.652	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1840	200	ug/kg dry	1991	ND	92.2	58-113	0.891	20	
2,3-Dinitrotoluene	1880	200	ug/kg dry	2025	ND	92.8	61.1-127	2.61	20	
2,4,6-Trinitrotoluene	2670	200	ug/kg dry	2025	394	113	38.8-138	18.5	20	
2,4-Dinitrotoluene	1860	200	ug/kg dry	2025	ND	91.6	44.1-133	0.376	20	
2,5-Dinitrotoluene	1760	200	ug/kg dry	2025	ND	86.8	58.3-132	3.23	20	
2,6-Dinitrotoluene	1860	200	ug/kg dry	2025	ND	91.6	52.5-128	1.12	20	
2-Amino-4,6-dinitrotoluene	1410	200	ug/kg dry	2025	112	64.3	18-135	1.45	20	
2-Nitrotoluene	1690	200	ug/kg dry	2025	ND	83.6	73.9-113	1.23	20	
3,4-Dinitrotoluene	1830	200	ug/kg dry	2025	ND	90.4	52.8-120	0.270	20	
3,5-Dinitroaniline	1540	200	ug/kg dry	2025	ND	76.1	22.9-131	4.18	20	
3,5-Dinitrotoluene	1940	200	ug/kg dry	2025	ND	96.0	59.3-135	1.94	20	
3-Nitrotoluene	1770	200	ug/kg dry	2025	ND	87.2	73.6-116	0.101	20	
4-Amino-2,6-dinitrotoluene	1410	200	ug/kg dry	2025	99.2	64.5	10-144	3.53	20	
4-Nitrotoluene	1810	200	ug/kg dry	2025	ND	89.3	71.2-114	0.172	20	
Nitrobenzene	1880	200	ug/kg dry	2025	ND	92.9	72.5-112	1.20	20	
Surrogate: 2,2'-Dinitrobiphenyl	1500		ug/kg dry	1968		76.0	11.5-161			
Surrogate: Nitrobenzene-d5	1790		ug/kg dry	2025		88.4	65.1-116			

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 Project Manager: Sharon Nordstrom
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**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 A910277 - % Solids**

<b>Duplicate (A910277-DUP1)</b>	<b>Source: A194212-16</b>		Prepared: 10/22/2019 Analyzed: 10/23/2019 09:19							
% Solids	99.2	0.00	% by Weight		98.9			0.298	20	

**Batch A910278 - % Solids**

<b>Duplicate (A910278-DUP1)</b>	<b>Source: A194212-19</b>		Prepared: 10/22/2019 Analyzed: 10/23/2019 09:17							
% Solids	98.8	0.00	% by Weight		98.8			0.0295	20	



AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

### Notes and Definitions

- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- 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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **1** of: **2**

508001 / 60505619

A194212

Lab Work Order #: <b>A194212-j</b>		Report To: Sharon Nordstrom																		
Company: Aecom		Address 1:																		
Address 2:		E-mail Address: <u>Sharon.nordstrom@aecom.com</u>																		
Project Number: <b>507944/60525889</b> <b>10-17-19</b> PO Number:		Preservation Codes - A																		
Project Name: Barksdale Phase 6 Site Investigation		Analyses Requested																		
Project Location (City, State): Barksdale, WI		A																		
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		<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
Sample Description	Collection				Matrix	Total # of Containers													NNOCs	
	Date			Time																
If Rush, Report Due Date:																				
Sampled By (Print): Desmond Nielsen																				
<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		
Sample Description	Collection		Matrix	Total # of Containers													NNOCs			
	Date	Time																		
<b>SITG-191007-WWIPOND</b>		10/07/19 11:00		S 1		X						Frozen immediately after collection, possible elevated NNOCs		01						
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b> FELIX 776722614397 Copy: Original (or 2 or 3)		Relinquished By: <i>Desmond Nielsen</i> Desmond Nielsen		Date: 10/16/19 Time: 10:00		Received By: <i>Desmond Nielsen</i> Desmond Nielsen		Date: 10-17-19 Time: 0920		Relinquished By:		Date: Time:		Received By:		Date: Time:		
		Custody Seal:		Shipped Via:		Receipt Temp:		Thermometer #/ Exp. Date:		Temp Blank:										
		<input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Fed Ex		2.3°C		110042274 12-20-19		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N										

Page 27 of 30 A194212 FINAL 10 29 2019 1514



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **1** of: **3**

508001 / 100505619

Lab Work Order #: <b>A194212</b>		Report To: Sharon Nordstrom								
Preservation Codes - A		Company: Aecom								
Analyses Requested		Address 1:								
A		Address 2:								
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		E-mail Address: <u>Sharon.nordstrom@aecom.com</u>								
If Rush, Report Due Date:		Invoice To:								
Sampled By (Print): Desmond Nielsen		Company:								
		Address 1:								
		Address 2:								
		Comments								
		Lab ID								
		Lab Receipt Time								
SITG-191015-077-W-R (0-3)		10/15/19 9:12 S 1 X								
SITG-191015-077-W-R-D (0-3)		10/15/19 9:12 S 1 X DUP								
SIGP-191015-PAJ-71 (0-2)		10/15/19 14:25 S 1 X								
SIGP-191015-PAJ-71 (2-4)		10/15/19 14:28 S 1 X								
<table border="1" style="margin: auto;"> <tr> <th colspan="2">Collection</th> <th rowspan="2">Matrix</th> <th rowspan="2">Total # of Containers</th> <th rowspan="2">NNOC's</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </table>		Collection		Matrix	Total # of Containers	NNOC's	Date	Time		
Collection		Matrix	Total # of Containers				NNOC's			
Date	Time									

Project Number: ~~507944/60523839~~ **10-17-19** PO Number:

Project Name: Barksdale Phase 6 Site Investigation

Project Location (City, State): Barksdale, WI

Turn Around (check one):  Normal  Rush

If Rush, Report Due Date:

Sampled By (Print): Desmond Nielsen

Sample Description

Collection Date Time Matrix Total # of Containers NNOC's

SITG-191015-077-W-R (0-3) 10/15/19 9:12 S 1 X

SITG-191015-077-W-R-D (0-3) 10/15/19 9:12 S 1 X

SIGP-191015-PAJ-71 (0-2) 10/15/19 14:25 S 1 X

SIGP-191015-PAJ-71 (2-4) 10/15/19 14:28 S 1 X

Relinquished By: *[Signature]* Desmond Nielsen

Date: 10/16/19 Time: 10:00

Received By: *[Signature]* Date: 10-17-19 Time: 0920

Relinquished By: Date: Time: Received By: Date: Time:

Custody Seal:  NA  Intact  Not Intact

Shipped Via: **FedEx** Receipt Temp: **1.1°C**

Thermometer #/ Exp. Date: **160142274 12-20-19** Temp Blank:  Y  N

Other Comments: **FedEx 77671933 2303 Copy: Original (or 2 or 3)**

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

Preservation Codes: A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub> D=HNO<sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)

Page 28 of 30 A194212 FINAL 10 29 2019 1514



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **2** of **3**

Project Number: 508001/60505619			PO Number:			Lab Work Order #: <b>A194212</b>			Report To: Sharon Nordstrom								
Project Name: Barksdale Phase 6 Site Investigation			Project Location (City, State): Barksdale, WI			Preservation Codes - A			Company: Aecom								
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush			If Rush, Report Due Date:			Analyses Requested			Address 1:								
Sampled By (Print): D. Barton, D. Nielsen			Collection			Matrix			Address 2:								
Sample Description			Date		Time		Total # of Containers		NNOC's		E-mail Address: Sharon.nordstrom@aecom.com						
SITG-191010-089-C (0-3')			10/10/19		8:30		S 1		X		Invoice To:						
SITG-191010-089-N (0-3')			10/10/19		8:33		S 1		X		Company:						
SITG-191010-089-S (0-3')			10/10/19		8:36		S 1		X		Address 1:						
SITG-191010-090-C (0-3')			10/10/19		8:39		S 1		X		Address 2:						
SITG-191010-090-N (0-3')			10/10/19		8:42		S 1		X		Comments						
SITG-191010-090-S (0-3')			10/10/19		8:45		S 1		X		Lab ID						
											Lab Receipt Time						
											Frozen immediately after collection						
											06						
											Frozen immediately after collection						
											07						
											Frozen immediately after collection						
											08						
											Frozen immediately after collection						
											09						
											Frozen immediately after collection						
											10						
											Frozen immediately after collection						
											11						
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)			<b>Other Comments:</b> 77671933 2303 FLS FLS Copy:			Relinquished By: <i>Desmonz Nielsen</i> Relinquished By:			Date: 10/16/19 Time: 10:00			Received By: <i>Jessica</i> Received By:			Date: 10/17/19 Time: 09:00		
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other			Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact			Shipped Via: <i>FEDEX</i>			Receipt Temp: 1.1°C			Thermometer #/ Exp. Date: 1100142274 12-20-19			Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

insert COC number

Page: **3** of: **3**

Project Number: 508001/60505619		PO Number:		Lab Work Order #: <b>A194212</b>		Report To: Sharon Nordstrom	
Project Name: Barksdale Phase 6 Site Investigation		Project Location (City, State): Barksdale, WI		Preservation Codes - A		Company: Aecom	
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		If Rush, Report Due Date:		Analyses Requested		Address 1:	
Sampled By (Print): D. Barton, D. Nielsen		Matrix		Total # of Containers		Address 2:	
Sample Description		Collection		NNOC's		E-mail Address: Sharon.nordstrom@aecom.com	
		Date	Time			Invoice To:	
SITG-191008-083-C (0-8')		10/08/19	10:55	S	1	X	Company:
SITG-190927-084-C (0-3')		9/27/19	10:10	S	1	X	Address 1:
SITG-191008-085-C (0-8')		10/08/19	11:00	S	1	X	Address 2:
SITG-191008-086-C (0-8')		10/08/19	10:50	S	1	X	Comments
SITG-191008-087-C (0-8')		10/08/19	11:15	S	1	X	Lab ID
SITG-191008-088-C (0-8')		10/08/19	11:10	S	1	X	Lab Receipt Time
SITG-191008-043-W-R (0-4')		10/08/19	14:01	S	1	X	
SITG-191008-043-W-R-D (0-4)		10/08/19	14:01	S	1	X	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b> FedEx 776719332303 Copy:		Relinquished By: <i>[Signature]</i> Date: 10/16/19 Time: 10:00		Received By: <i>[Signature]</i> Date: 10-17-19 Time: 09:20	
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Original (or 2 or 3)		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: FedEx Receipt Temp: 1.1°C Thermometer #/ Exp. Date: 1100142274 12-20-19 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

November 05, 2019

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 10/24/2019.

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	03/31/2020
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2020
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2020
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2020
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2019
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2020
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2019
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-191022-091-Z-0-1	A194307-01	Soil	10/22/2019	10/24/2019
SITG-191022-092-Z-0-1	A194307-02	Soil	10/22/2019	10/24/2019
SITG-191022-093-Z-0-1	A194307-03	Soil	10/22/2019	10/24/2019
SITG-191022-094-Z-0-1	A194307-04	Soil	10/22/2019	10/24/2019
SITG-191022-095-Z-0-1	A194307-05	Soil	10/22/2019	10/24/2019
SITG-191022-096-Z-0-1	A194307-06	Soil	10/22/2019	10/24/2019
SITG-191022-097-Z-0-1	A194307-07	Soil	10/22/2019	10/24/2019
SITG-191022-098-Z-0-1	A194307-08	Soil	10/22/2019	10/24/2019
SITG-191022-099-Z-0-1	A194307-09	Soil	10/22/2019	10/24/2019
SITG-191022-100-Z-0-1	A194307-10	Soil	10/22/2019	10/24/2019
SITG-191022-101-Z-0-1	A194307-11	Soil	10/22/2019	10/24/2019
SITG-191022-101-Z-0-1-D	A194307-12	Soil	10/22/2019	10/24/2019
SITG-191022-102-Z-0-1	A194307-13	Soil	10/22/2019	10/24/2019
SITG-191022-103-Z-0-1	A194307-14	Soil	10/22/2019	10/24/2019
SITG-191022-104-Z-0-1	A194307-15	Soil	10/22/2019	10/24/2019
SITG-191022-105-Z-0-1	A194307-16	Soil	10/22/2019	10/24/2019
SITG-191022-106-Z-0-1	A194307-17	Soil	10/22/2019	10/24/2019
SITG-191022-107-Z-0-1	A194307-18	Soil	10/22/2019	10/24/2019
SITG-191022-108-Z-0-1	A194307-19	Soil	10/22/2019	10/24/2019

**CASE NARRATIVE**

**Sample Receipt Information:**

19 samples were received on 10/24/2019. Samples were received at 2.6 degrees Celsius. Samples were received in acceptable condition.

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



2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-191022-091-Z-0-1**

Date Sampled

**A194307-01 (Soil)**

**10/22/2019 09:40**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>550</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 15:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.0 %		11.5-161	11/01/2019	11/01/2019 15:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.2 %		65.1-116	11/01/2019	11/01/2019 15:29	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910290**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	10/29/2019	10/30/2019 08:36	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-191022-092-Z-0-1**

Date Sampled

**A194307-02 (Soil)**

**10/22/2019 09:44**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>320</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.1 %		11.5-161	11/01/2019	11/01/2019 16:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.6 %		65.1-116	11/01/2019	11/01/2019 16:00	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910290**

<b>% Solids</b>	<b>98.8</b>	0.00	% by Weight	1	10/29/2019	10/30/2019 08:36	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-093-Z-0-1**

**A194307-03 (Soil)**

Date Sampled

10/22/2019 09:48

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1600</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 16:32	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.8 %		11.5-161	11/01/2019	11/01/2019 16:32	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.4 %		65.1-116	11/01/2019	11/01/2019 16:32	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910290**

<b>% Solids</b>	<b>98.8</b>	0.00	% by Weight	1	10/29/2019	10/30/2019 08:36	SM 2540B	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

AECOM  
 4051 Ogletown Road  
 Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
 Project Number: 60505619  
 Project Manager: Sharon Nordstrom

**SITG-191022-094-Z-0-1**

Date Sampled

**A194307-04 (Soil)**

**10/22/2019 09:52**

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: A911117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1800</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>250</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.9 %		11.5-161	11/01/2019	11/01/2019 17:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.5 %		65.1-116	11/01/2019	11/01/2019 17:03	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910290**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	10/29/2019	10/30/2019 08:36	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-095-Z-0-1**

**A194307-05 (Soil)**

Date Sampled  
**10/22/2019 09:56**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1900</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 17:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		72.4 %		11.5-161	11/01/2019	11/01/2019 17:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.8 %		65.1-116	11/01/2019	11/01/2019 17:35	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910290**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	10/29/2019	10/30/2019 08:36	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-096-Z-0-1**

**A194307-06 (Soil)**

**Date Sampled**  
**10/22/2019 10:00**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>800</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 18:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.6 %		11.5-161	11/01/2019	11/01/2019 18:06	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.5 %		65.1-116	11/01/2019	11/01/2019 18:06	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A910290**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	10/29/2019	10/30/2019 08:36	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-097-Z-0-1**

**A194307-07 (Soil)**

Date Sampled  
**10/22/2019 10:04**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.3 %		11.5-161	11/01/2019	11/01/2019 20:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.0 %		65.1-116	11/01/2019	11/01/2019 20:12	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>98.3</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-098-Z-0-1**

**A194307-08 (Soil)**

Date Sampled  
**10/22/2019 10:08**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1200</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 20:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		68.6 %		11.5-161	11/01/2019	11/01/2019 20:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.6 %		65.1-116	11/01/2019	11/01/2019 20:43	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A91126**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-099-Z-0-1**

**A194307-09 (Soil)**

Date Sampled

10/22/2019 10:12

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: A911117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>18000</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>280</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1500</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		80.9 %		11.5-161	11/01/2019	11/01/2019 21:14	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.5 %		65.1-116	11/01/2019	11/01/2019 21:14	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-100-Z-0-1**

**A194307-10 (Soil)**

**Date Sampled**

**10/22/2019 10:16**

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: A911117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>26000</b>	820	ug/kg dry	4	11/01/2019	11/04/2019 12:48	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>600</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>3600</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 21:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		82.0 %		11.5-161	11/01/2019	11/01/2019 21:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		96.8 %		65.1-116	11/01/2019	11/01/2019 21:46	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>98.0</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-101-Z-0-1**

**A194307-11 (Soil)**

**Date Sampled**  
**10/22/2019 10:20**

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: A911117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>1600</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>230</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>570</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:17	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.8 %		11.5-161	11/01/2019	11/01/2019 22:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.9 %		65.1-116	11/01/2019	11/01/2019 22:17	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>97.9</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-101-Z-0-1-D**

**A194307-12 (Soil)**

Date Sampled

10/22/2019 10:20

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>5700</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
<b>2-Amino-4,6-dinitrotoluene</b>	<b>300</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>1100</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 22:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.5 %		11.5-161	11/01/2019	11/01/2019 22:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.5 %		65.1-116	11/01/2019	11/01/2019 22:48	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A91126**

<b>% Solids</b>	<b>98.1</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-102-Z-0-1**

**A194307-13 (Soil)**

**Date Sampled**

**10/22/2019 10:24**

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: A911117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
<b>2,4,6-Trinitrotoluene</b>	<b>27000</b>	810	ug/kg dry	4	11/01/2019	11/04/2019 13:20	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
<b>4-Amino-2,6-dinitrotoluene</b>	<b>200</b>	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.9 %		11.5-161	11/01/2019	11/01/2019 23:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.9 %		65.1-116	11/01/2019	11/01/2019 23:20	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>98.2</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-103-Z-0-1**

**A194307-14 (Soil)**

**Date Sampled**  
**10/22/2019 10:28**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/01/2019 23:51	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		56.9 %		11.5-161	11/01/2019	11/01/2019 23:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.5 %		65.1-116	11/01/2019	11/01/2019 23:51	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>98.6</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-104-Z-0-1**

**A194307-15 (Soil)**

Date Sampled  
**10/22/2019 10:32**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:23	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		59.3 %		11.5-161	11/01/2019	11/02/2019 00:23	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.3 %		65.1-116	11/01/2019	11/02/2019 00:23	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A91126**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-105-Z-0-1**

**A194307-16 (Soil)**

**Date Sampled**  
**10/22/2019 10:36**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 00:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		57.9 %	11.5-161		11/01/2019	11/02/2019 00:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.7 %	65.1-116		11/01/2019	11/02/2019 00:54	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>98.7</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-106-Z-0-1**

**A194307-17 (Soil)**

**Date Sampled**  
**10/22/2019 10:40**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 02:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.5 %		11.5-161	11/01/2019	11/02/2019 02:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.6 %		65.1-116	11/01/2019	11/02/2019 02:29	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>98.5</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-107-Z-0-1**

Date Sampled

**A194307-18 (Soil)**

**10/22/2019 10:44**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:00	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		57.2 %		11.5-161	11/01/2019	11/02/2019 03:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		95.1 %		65.1-116	11/01/2019	11/02/2019 03:00	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

% Solids	98.7	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
Project Manager: Sharon Nordstrom

**SITG-191022-108-Z-0-1**

**A194307-19 (Soil)**

**Date Sampled**  
**10/22/2019 10:48**

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: A91117**

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/01/2019	11/02/2019 03:31	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		50.8 %		11.5-161	11/01/2019	11/02/2019 03:31	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.0 %		65.1-116	11/01/2019	11/02/2019 03:31	EPA 8270D	

**Classical Chemistry Parameters**

**Preparation Batch: A911126**

<b>% Solids</b>	<b>98.4</b>	0.00	% by Weight	1	11/04/2019	11/05/2019 09:57	SM 2540B	
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AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A911117 - EPA 3570

##### Blank (A911117-BLK1)

Prepared: 11/01/2019 Analyzed: 11/01/2019 13:55

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

1220 ug/kg wet

1943

62.9

11.5-161

Surrogate: Nitrobenzene-d5

1930

ug/kg wet

2000

96.7

65.1-116

##### LCS (A911117-BS1)

Prepared: 11/01/2019 Analyzed: 11/01/2019 13:23

1,2-Dimethyl-3,4-Dinitrobenzene	2020	200	ug/kg wet	1996	101	73.6-111
1,2-Dimethyl-3,5-Dinitrobenzene	1920	200	ug/kg wet	2020	94.9	71.6-112
1,2-Dimethyl-3,6-Dinitrobenzene	1960	200	ug/kg wet	1999	98.0	76.3-114
1,2-Dimethyl-4,5-Dinitrobenzene	2000	200	ug/kg wet	2026	98.6	68.8-113
1,3,5-Trinitrobenzene	1720	200	ug/kg wet	2000	85.9	50.6-126
1,3-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg wet	2020	90.3	67.9-111
1,3-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg wet	2002	97.8	75-113
1,3-Dinitrobenzene	1710	200	ug/kg wet	2000	85.3	52.9-125
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2006	92.6	72.6-107
1,4-Dimethyl-2,5-Dinitrobenzene	1950	200	ug/kg wet	2026	96.2	70.8-106
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg wet	1996	95.9	68.3-107
1,5-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg wet	2012	94.3	73.3-110
1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	1966	94.2	70.2-109
2,3-Dinitrotoluene	1950	200	ug/kg wet	2000	97.7	64.2-125

AECOM  
4051 Ogletown Road  
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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 A91117 - EPA 3570

##### LCS (A91117-BS1)

Prepared: 11/01/2019 Analyzed: 11/01/2019 13:23

2,4,6-Trinitrotoluene	1940	200	ug/kg wet	2000		97.0	57.1-139			
2,4-Dinitrotoluene	2020	200	ug/kg wet	2000		101	67.4-120			
2,5-Dinitrotoluene	1920	200	ug/kg wet	2000		95.8	62-124			
2,6-Dinitrotoluene	1950	200	ug/kg wet	2000		97.3	74.6-116			
2-Amino-4,6-dinitrotoluene	1740	200	ug/kg wet	2000		86.9	65.9-110			
2-Nitrotoluene	1800	200	ug/kg wet	2000		90.2	76.3-114			
3,4-Dinitrotoluene	1920	200	ug/kg wet	2000		96.0	68.2-117			
3,5-Dinitroaniline	1990	200	ug/kg wet	2000		99.3	61.6-115			
3,5-Dinitrotoluene	1970	200	ug/kg wet	2000		98.7	70.5-120			
3-Nitrotoluene	1840	200	ug/kg wet	2000		92.0	77.4-113			
4-Amino-2,6-dinitrotoluene	1670	200	ug/kg wet	2000		83.3	57.5-113			
4-Nitrotoluene	1900	200	ug/kg wet	2000		95.0	74.8-112			
Nitrobenzene	2010	200	ug/kg wet	2000		101	77-115			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1670</i>		<i>ug/kg wet</i>	<i>1943</i>		<i>85.8</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1940</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>97.0</i>	<i>65.1-116</i>			

##### Matrix Spike (A91117-MS1)

Source: A194307-19

Prepared: 11/01/2019 Analyzed: 11/01/2019 14:26

1,2-Dimethyl-3,4-Dinitrobenzene	1950	200	ug/kg dry	2029	ND	95.9	59.9-113			
1,2-Dimethyl-3,5-Dinitrobenzene	1890	200	ug/kg dry	2053	ND	92.1	63.5-111			
1,2-Dimethyl-3,6-Dinitrobenzene	1970	200	ug/kg dry	2032	ND	97.1	67.8-114			
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg dry	2060	ND	92.7	58.4-113			
1,3,5-Trinitrobenzene	1520	200	ug/kg dry	2033	ND	74.6	12.3-150			
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg dry	2053	ND	87.7	63.6-111			
1,3-Dimethyl-2,5-Dinitrobenzene	1970	200	ug/kg dry	2035	ND	96.6	70.7-112			
1,3-Dinitrobenzene	1530	200	ug/kg dry	2033	ND	75.3	32.8-135			
1,4-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg dry	2039	ND	89.5	58.1-109			
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg dry	2060	ND	93.7	64.1-108			
1,4-Dimethyl-2,6-Dinitrobenzene	1910	200	ug/kg dry	2029	ND	94.3	64.3-107			
1,5-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2045	ND	90.6	61.6-112			
1,5-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg dry	1999	ND	90.2	58-113			
2,3-Dinitrotoluene	1780	200	ug/kg dry	2033	ND	87.8	61.1-127			
2,4,6-Trinitrotoluene	1790	200	ug/kg dry	2033	ND	88.1	38.8-138			
2,4-Dinitrotoluene	1930	200	ug/kg dry	2033	ND	94.8	44.1-133			
2,5-Dinitrotoluene	1810	200	ug/kg dry	2033	ND	89.2	58.3-132			
2,6-Dinitrotoluene	1870	200	ug/kg dry	2033	ND	92.2	52.5-128			
2-Amino-4,6-dinitrotoluene	1500	200	ug/kg dry	2033	ND	73.9	18-135			
2-Nitrotoluene	1800	200	ug/kg dry	2033	ND	88.6	73.9-113			
3,4-Dinitrotoluene	1820	200	ug/kg dry	2033	ND	89.6	52.8-120			
3,5-Dinitroaniline	1660	200	ug/kg dry	2033	ND	81.9	22.9-131			
3,5-Dinitrotoluene	1920	200	ug/kg dry	2033	ND	94.6	59.3-135			
3-Nitrotoluene	1880	200	ug/kg dry	2033	ND	92.5	73.6-116			
4-Amino-2,6-dinitrotoluene	1490	200	ug/kg dry	2033	ND	73.3	10-144			
4-Nitrotoluene	1880	200	ug/kg dry	2033	ND	92.6	71.2-114			
Nitrobenzene	1940	200	ug/kg dry	2033	ND	95.6	72.5-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1540</i>		<i>ug/kg dry</i>	<i>1975</i>		<i>78.0</i>	<i>11.5-161</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1860</i>		<i>ug/kg dry</i>	<i>2033</i>		<i>91.5</i>	<i>65.1-116</i>			

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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 A91117 - EPA 3570

##### Matrix Spike Dup (A91117-MSD1)

Source: A194307-19

Prepared: 11/01/2019 Analyzed: 11/01/2019 14:58

1,2-Dimethyl-3,4-Dinitrobenzene	2000	200	ug/kg dry	2029	ND	98.4	59.9-113	2.54	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1990	200	ug/kg dry	2053	ND	97.0	63.5-111	5.10	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1980	200	ug/kg dry	2032	ND	97.6	67.8-114	0.562	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1980	200	ug/kg dry	2060	ND	96.3	58.4-113	3.79	20	
1,3,5-Trinitrobenzene	1650	200	ug/kg dry	2033	ND	81.1	12.3-150	8.28	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg dry	2053	ND	89.2	63.6-111	1.61	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg dry	2035	ND	96.5	70.7-112	0.0693	20	
1,3-Dinitrobenzene	1610	200	ug/kg dry	2033	ND	79.2	32.8-135	5.09	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg dry	2039	ND	88.2	58.1-109	1.47	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1950	200	ug/kg dry	2060	ND	94.7	64.1-108	1.07	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1950	200	ug/kg dry	2029	ND	95.9	64.3-107	1.69	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1910	200	ug/kg dry	2045	ND	93.4	61.6-112	3.06	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1860	200	ug/kg dry	1999	ND	92.9	58-113	2.94	20	
2,3-Dinitrotoluene	1830	200	ug/kg dry	2033	ND	90.2	61.1-127	2.72	20	
2,4,6-Trinitrotoluene	1900	200	ug/kg dry	2033	ND	93.4	38.8-138	5.84	20	
2,4-Dinitrotoluene	1980	200	ug/kg dry	2033	ND	97.4	44.1-133	2.65	20	
2,5-Dinitrotoluene	1880	200	ug/kg dry	2033	ND	92.5	58.3-132	3.60	20	
2,6-Dinitrotoluene	1900	200	ug/kg dry	2033	ND	93.5	52.5-128	1.45	20	
2-Amino-4,6-dinitrotoluene	1580	200	ug/kg dry	2033	ND	77.7	18-135	4.98	20	
2-Nitrotoluene	1810	200	ug/kg dry	2033	ND	88.9	73.9-113	0.340	20	
3,4-Dinitrotoluene	1870	200	ug/kg dry	2033	ND	91.9	52.8-120	2.47	20	
3,5-Dinitroaniline	1770	200	ug/kg dry	2033	ND	87.3	22.9-131	6.39	20	
3,5-Dinitrotoluene	1980	200	ug/kg dry	2033	ND	97.5	59.3-135	2.95	20	
3-Nitrotoluene	1850	200	ug/kg dry	2033	ND	90.8	73.6-116	1.85	20	
4-Amino-2,6-dinitrotoluene	1590	200	ug/kg dry	2033	ND	78.0	10-144	6.20	20	
4-Nitrotoluene	1880	200	ug/kg dry	2033	ND	92.4	71.2-114	0.240	20	
Nitrobenzene	2000	200	ug/kg dry	2033	ND	98.5	72.5-112	2.96	20	
Surrogate: 2,2'-Dinitrobiphenyl	1640		ug/kg dry	1975		83.1	11.5-161			
Surrogate: Nitrobenzene-d5	1940		ug/kg dry	2033		95.3	65.1-116			



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 608.221.8700 Phone  
 608.221.4889 Fax

AECOM 4051 Ogletown Road Newark DE, 19713	Project: Site Investigation - Barksdale, WI Project Number: 60505619 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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A910290 - % Solids**

<b>Duplicate (A910290-DUP1)</b>	<b>Source: A194307-06</b>		Prepared: 10/29/2019 Analyzed: 10/30/2019 08:36							
% Solids	98.5	0.00	% by Weight		98.4			0.0430	20	

**Batch A911126 - % Solids**

<b>Duplicate (A911126-DUP1)</b>	<b>Source: A194406-07</b>		Prepared: 11/04/2019 Analyzed: 11/05/2019 09:57							
% Solids	74.0	0.00	% by Weight		71.5			3.34	20	

AECOM  
4051 Ogletown Road  
Newark DE, 19713

Project: Site Investigation - Barksdale, WI  
Project Number: 60505619  
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. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

A194307

insert COC number

Page: 1 of 2

10-25-19

Lab Work Order #: <b>A194307</b>		Report To: Sharon Nordstrom																																																																																																						
Preservation Codes - A		Company: Aecom																																																																																																						
Analyses Requested		Address 1:																																																																																																						
A		Address 2:																																																																																																						
		E-mail Address: <u>Sharon.nordstrom@aecom.com</u>																																																																																																						
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Invoice To:																																																																																																						
If Rush, Report Due Date:		Company:																																																																																																						
Sampled By (Print): Desmond Nielsen		Address 1:																																																																																																						
		Address 2:																																																																																																						
Sample Description		Comments																																																																																																						
<table border="1"> <thead> <tr> <th rowspan="2">Collection</th> <th rowspan="2">Date</th> <th rowspan="2">Time</th> <th rowspan="2">Matrix</th> <th rowspan="2">Total # of Containers</th> <th rowspan="2">NNOC's</th> <th colspan="2">Lab ID</th> <th>Lab Receipt</th> </tr> <tr> <th></th> <th></th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>SITG-191022-091-Z (0-1)</td> <td>10/22/19</td> <td>9:40</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>01</td> <td></td> </tr> <tr> <td>SITG-191022-092-Z (0-1)</td> <td>10/22/19</td> <td>9:44</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>02</td> <td></td> </tr> <tr> <td>SITG-191022-093-Z (0-1)</td> <td>10/22/19</td> <td>9:48</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>03</td> <td></td> </tr> <tr> <td>SITG-191022-094-Z (0-1)</td> <td>10/22/19</td> <td>9:52</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>04</td> <td></td> </tr> <tr> <td>SITG-191022-095-Z (0-1)</td> <td>10/22/19</td> <td>9:56</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>05</td> <td></td> </tr> <tr> <td>SITG-191022-096-Z (0-1)</td> <td>10/22/19</td> <td>10:00</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>06</td> <td></td> </tr> <tr> <td>SITG-191022-097-Z (0-1)</td> <td>10/22/19</td> <td>10:04</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>07</td> <td></td> </tr> <tr> <td>SITG-191022-098-Z (0-1)</td> <td>10/22/19</td> <td>10:08</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>08</td> <td></td> </tr> <tr> <td>SITG-191022-099-Z (0-1)</td> <td>10/22/19</td> <td>10:12</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>09</td> <td></td> </tr> <tr> <td>SITG-191022-100-Z (0-1)</td> <td>10/22/19</td> <td>10:16</td> <td>S</td> <td>1</td> <td>X</td> <td></td> <td>10</td> <td></td> </tr> </tbody> </table>		Collection	Date	Time	Matrix	Total # of Containers	NNOC's	Lab ID		Lab Receipt			Time	SITG-191022-091-Z (0-1)	10/22/19	9:40	S	1	X		01		SITG-191022-092-Z (0-1)	10/22/19	9:44	S	1	X		02		SITG-191022-093-Z (0-1)	10/22/19	9:48	S	1	X		03		SITG-191022-094-Z (0-1)	10/22/19	9:52	S	1	X		04		SITG-191022-095-Z (0-1)	10/22/19	9:56	S	1	X		05		SITG-191022-096-Z (0-1)	10/22/19	10:00	S	1	X		06		SITG-191022-097-Z (0-1)	10/22/19	10:04	S	1	X		07		SITG-191022-098-Z (0-1)	10/22/19	10:08	S	1	X		08		SITG-191022-099-Z (0-1)	10/22/19	10:12	S	1	X		09		SITG-191022-100-Z (0-1)	10/22/19	10:16	S	1	X		10		Placed in Site Freezer after collection
Collection	Date							Time	Matrix	Total # of Containers	NNOC's	Lab ID		Lab Receipt																																																																																										
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Project Number: ~~607911/60525889~~ - 60505619 PO Number:

Project Name: Barksdale Phase 6 Site Investigation

Project Location (City, State): Barksdale, WI

**Preservation Codes**  
 A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub>  
 D=HNO<sub>3</sub> E=EnCore F=Methanol  
 G=NaOH O=Other (Indicate)

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

**Other Comments:**  
 Fedex Tracking #  
 7767 8637 0860

**Copy:**  
 Original (or 2 or 3)

Relinquished By: *Desmond Nielsen* Date: 10/23/19 Time: 10:00

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Custody Seal:  NA  Intact  Not Intact

Received By: *Willy Byrd* Date: 10/24/19 Time: 10:15

Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Shipped Via: **FED EX** Receipt Temp: **2.6 °C** Thermometer #/ Exp. Date: **S/N 160142274** Temp Blank:  Y  N

EXP 12/20/19





**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

A194307

insert COC number

Page: 2 of: 2

to 10-25-19

Lab Work Order #: <b>A194307</b>	Report To: Sharon Nordstrom
	Company: Aecom

Project Number: ~~567011/60525839~~ **60505619** PO Number:

Project Name: Barksdale Phase 6 Site Investigation

Project Location (City, State): Barksdale, WI

Turn Around (check one):  Normal  Rush

If Rush, Report Due Date:

Sampled By (Print): Desmond Nielsen

Sample Description	Collection		Matrix	Total # of Containers	NNOC's
	Date	Time			

SITG-191022-101-Z (0-1)	10/22/19	10:20	S	1	X
SITG-191022-101-Z-D (0-1)	10/22/19	10:20	S	1	X
SITG-191022-102-Z (0-1)	10/22/19	10:24	S	1	X
SITG-191022-103-Z (0-1)	10/22/19	10:28	S	1	X
SITG-191022-104-Z (0-1)	10/22/19	10:32	S	1	X
SITG-191022-105-Z (0-1)	10/22/19	10:36	S	1	X
SITG-191022-106-Z (0-1)	10/22/19	10:40	S	1	X
SITG-191022-107-Z (0-1)	10/22/19	10:44	S	1	X
SITG-191022-108-Z (0-1)	10/22/19	10:48	S	1	X

Preservation Codes - A

Analyses Requested

E-mail Address: Sharon.nordstrom@aecom.com

Invoice To:

Company:

Address 1:

Address 2:

Comments	Lab ID	Lab Receipt Time
	11	
DUP	12	
Placed in site freezer after collection	13	
	14	
	15	
	16	
	17	
	18	
	19	

**Preservation Codes**  
 A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub>  
 D=HNO<sub>3</sub> E=EnCore F=Methanol  
 G=NaOH O=Other (Indicate)

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

**Other Comments:**  
 Fedex Tracking # 7767 8637 0860  
**Copy:**  
 Original (or 2 or 3)

Relinquished By: *Desmond Nielsen* Desmond Nielsen  
 Date: 10/23/19 Time: 10:00

Relinquished By:

Received By: *Wolby* REC'D ON ICE  
 Date: 10/24/19 Time: 1015

Received By:

Custody Seal:  NA  Intact  Not Intact

Shipped Via: **FEDEX**

Receipt Temp: **2.6°C**

Thermometer #/ Exp. Date: **S/N 160142274**

Temp Blank:  Y  N

EXP 12/20/19

## ANALYTICAL REPORT

Eurofins TestAmerica, Denver  
4955 Yarrow Street  
Arvada, CO 80002  
Tel: (303)736-0100

Laboratory Job ID: 280-129533-1

Client Project/Site: BAR-SW and Sed Sampling 2019

**For:**

Chemours Company FC, LLC The  
c/o AECOM  
Sabre Building, Suite 300  
4051 Ogletown Road  
Newark, Delaware 19713

Attn: Sharon Nordstrom



Authorized for release by:  
11/5/2019 1:45:36 PM

Michelle Johnston, Project Manager II  
(303)736-0110  
[michelle.johnston@testamericainc.com](mailto:michelle.johnston@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
H	Sample was prepped or analyzed beyond the specified holding time
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 is outside control limits

## 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
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

**Job ID: 280-129533-1**

**Laboratory: Eurofins TestAmerica, Denver**

## Narrative

### CASE NARRATIVE

**Client: The Chemours Company FC, LLC**  
**Project: BAR-SW and Sed Sampling 2019**  
**Report Number: 280-129533-1**

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.

#### **Sample Arrival and Receipt**

The samples were received on 10/9/2019 9:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.8° C.

No anomalies were observed during sample receipt.

#### **Explosives - Method 8321A**

Samples SW1019-SW-WWIPOND (280-129533-1) and SW1019-Leachate (280-129533-2) were analyzed for explosives in accordance with EPA SW-846 Method 8321A. The samples were prepared on 10/14/2019 and 10/31/2019 and analyzed on 10/17/2019 and 11/01/2019.

The following sample required filtration to reduce matrix interferences: SW1019-SW-WWIPOND (280-129533-1).

The following samples were re-prepared outside of preparation holding time as the additional required spike was unavailable: SW1019-SW-WWIPOND (280-129533-1) and SW1019-Leachate (280-129533-2). The stock required for the additional spike was delayed from vendor.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high concentrations of target analytes and/or analytes present above the calibration range, samples SW1019-SW-WWIPOND (280-129533-1) and SW1019-Leachate (280-129533-2) 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.

The LCS/LCSD associated with prep batch 280-473886 exhibited percent recovery and RPD data above the QC control limits for Tetryl. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The method required MS/MSD could not be performed for prep batch 280-473886, due to insufficient sample volume. The associated LCS/LCSD exhibited outages for Tetryl. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The method required MS/MSD could not be performed for prep batch 280-476047, 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.

# Detection Summary

Client: Chemours Company FC, LLC The  
 Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## Client Sample ID: SW1019-SW-WWIPOND

## Lab Sample ID: 280-129533-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trinitrobenzene	0.69	J	0.98	0.17	ug/L	10		8321A	Total/NA
1,3-Dinitrobenzene	0.17	J	0.98	0.14	ug/L	10		8321A	Total/NA
2,4,6-Trinitro-3-xylene	0.12	J H	0.98	0.12	ug/L	10		8321A	Total/NA
2,4-Dinitrotoluene	0.21	J	0.98	0.19	ug/L	10		8321A	Total/NA
Nitrobenzene	0.62	J	0.98	0.32	ug/L	10		8321A	Total/NA
2,4,6-Trinitrotoluene - DL	200		20	4.3	ug/L	200		8321A	Total/NA
2-Amino-4,6-dinitrotoluene - DL	91		20	4.1	ug/L	200		8321A	Total/NA
4-Amino-2,6-dinitrotoluene - DL	110		20	3.7	ug/L	200		8321A	Total/NA

## Client Sample ID: SW1019-Leachate

## Lab Sample ID: 280-129533-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dinitrobenzene	5.5		1.9	0.27	ug/L	20		8321A	Total/NA
2,4,6-Trinitro-3-xylene	0.60	J H	1.9	0.23	ug/L	20		8321A	Total/NA
2,4-Dinitrotoluene	8.3		1.9	0.36	ug/L	20		8321A	Total/NA
2,6-Dinitrotoluene	0.53	J	1.9	0.42	ug/L	20		8321A	Total/NA
4-Amino-2,6-dinitrotoluene	28		1.9	0.36	ug/L	20		8321A	Total/NA
Nitrobenzene	2.5		1.9	0.63	ug/L	20		8321A	Total/NA
2-Amino-4,6-dinitrotoluene - DL	120		19	4.0	ug/L	200		8321A	Total/NA
1,3,5-Trinitrobenzene - DL2	380	J	480	81	ug/L	5000		8321A	Total/NA
2,4,6-Trinitrotoluene - DL2	2600		480	110	ug/L	5000		8321A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

# Method Summary

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

Method	Method Description	Protocol	Laboratory
8321A	Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)	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

- 1
- 2
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# Sample Summary

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-129533-1	SW1019-SW-WWIPOND	Water	10/07/19 09:00	10/09/19 09:25	
280-129533-2	SW1019-Leachate	Water	10/08/19 07:45	10/09/19 09:25	

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# Client Sample Results

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

**Client Sample ID: SW1019-SW-WWIPOND**

**Lab Sample ID: 280-129533-1**

Date Collected: 10/07/19 09:00

Matrix: Water

Date Received: 10/09/19 09:25

**Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,3,5-Trinitrobenzene</b>	<b>0.69</b>	<b>J</b>	0.98	0.17	ug/L		10/14/19 08:24	10/17/19 11:24	10
<b>1,3-Dinitrobenzene</b>	<b>0.17</b>	<b>J</b>	0.98	0.14	ug/L		10/14/19 08:24	10/17/19 11:24	10
2,3-Dinitrotoluene	0.15	U H	0.98	0.15	ug/L		10/31/19 19:20	11/01/19 16:30	10
<b>2,4,6-Trinitro-3-xylene</b>	<b>0.12</b>	<b>J H</b>	0.98	0.12	ug/L		10/31/19 19:20	11/01/19 16:30	10
<b>2,4-Dinitrotoluene</b>	<b>0.21</b>	<b>J</b>	0.98	0.19	ug/L		10/14/19 08:24	10/17/19 11:24	10
2,5-Dinitrotoluene	0.14	U H	0.98	0.14	ug/L		10/31/19 19:20	11/01/19 16:30	10
2,6-Dinitrotoluene	0.21	U	0.98	0.21	ug/L		10/14/19 08:24	10/17/19 11:24	10
2-Nitrotoluene	0.21	U	0.98	0.21	ug/L		10/14/19 08:24	10/17/19 11:24	10
3,4-Dinitrotoluene	0.20	U H	0.98	0.20	ug/L		10/31/19 19:20	11/01/19 16:30	10
3,5-Dinitrotoluene	0.33	U H	0.98	0.33	ug/L		10/31/19 19:20	11/01/19 16:30	10
3-Nitrotoluene	0.24	U	0.98	0.24	ug/L		10/14/19 08:24	10/17/19 11:24	10
4-Nitrotoluene	0.25	U	0.98	0.25	ug/L		10/14/19 08:24	10/17/19 11:24	10
HMX	0.19	U	0.98	0.19	ug/L		10/14/19 08:24	10/17/19 11:24	10
<b>Nitrobenzene</b>	<b>0.62</b>	<b>J</b>	0.98	0.32	ug/L		10/14/19 08:24	10/17/19 11:24	10
Nitroglycerin	0.17	U	1.4	0.17	ug/L		10/14/19 08:24	10/17/19 11:24	10
PETN	0.18	U	0.98	0.18	ug/L		10/14/19 08:24	10/17/19 11:24	10
RDX	0.21	U	0.98	0.21	ug/L		10/14/19 08:24	10/17/19 11:24	10
Tetryl	0.21	U *	0.98	0.21	ug/L		10/14/19 08:24	10/17/19 11:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72	D	48 - 130	10/14/19 08:24	10/17/19 11:24	10
Nitrobenzene-d5	33	D X	48 - 130	10/31/19 19:20	11/01/19 16:30	10

**Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>2,4,6-Trinitrotoluene</b>	<b>200</b>		20	4.3	ug/L		10/14/19 08:24	10/17/19 11:47	200
<b>2-Amino-4,6-dinitrotoluene</b>	<b>91</b>		20	4.1	ug/L		10/14/19 08:24	10/17/19 11:47	200
<b>4-Amino-2,6-dinitrotoluene</b>	<b>110</b>		20	3.7	ug/L		10/14/19 08:24	10/17/19 11:47	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	89	D	48 - 130	10/14/19 08:24	10/17/19 11:47	200

# Client Sample Results

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

**Client Sample ID: SW1019-Leachate**

**Lab Sample ID: 280-129533-2**

Date Collected: 10/08/19 07:45

Matrix: Water

Date Received: 10/09/19 09:25

**Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,3-Dinitrobenzene</b>	<b>5.5</b>		1.9	0.27	ug/L		10/14/19 08:24	10/17/19 11:35	20
2,3-Dinitrotoluene	0.29	U H	1.9	0.29	ug/L		10/31/19 19:20	11/01/19 17:02	20
<b>2,4,6-Trinitro-3-xylene</b>	<b>0.60</b>	<b>J H</b>	1.9	0.23	ug/L		10/31/19 19:20	11/01/19 17:02	20
<b>2,4-Dinitrotoluene</b>	<b>8.3</b>		1.9	0.36	ug/L		10/14/19 08:24	10/17/19 11:35	20
2,5-Dinitrotoluene	0.27	U H	1.9	0.27	ug/L		10/31/19 19:20	11/01/19 17:02	20
<b>2,6-Dinitrotoluene</b>	<b>0.53</b>	<b>J</b>	1.9	0.42	ug/L		10/14/19 08:24	10/17/19 11:35	20
2-Nitrotoluene	0.42	U	1.9	0.42	ug/L		10/14/19 08:24	10/17/19 11:35	20
3,4-Dinitrotoluene	0.38	U H	1.9	0.38	ug/L		10/31/19 19:20	11/01/19 17:02	20
3,5-Dinitrotoluene	0.65	U H	1.9	0.65	ug/L		10/31/19 19:20	11/01/19 17:02	20
3-Nitrotoluene	0.48	U	1.9	0.48	ug/L		10/14/19 08:24	10/17/19 11:35	20
<b>4-Amino-2,6-dinitrotoluene</b>	<b>28</b>		1.9	0.36	ug/L		10/14/19 08:24	10/17/19 11:35	20
4-Nitrotoluene	0.50	U	1.9	0.50	ug/L		10/14/19 08:24	10/17/19 11:35	20
HMX	0.36	U	1.9	0.36	ug/L		10/14/19 08:24	10/17/19 11:35	20
<b>Nitrobenzene</b>	<b>2.5</b>		1.9	0.63	ug/L		10/14/19 08:24	10/17/19 11:35	20
Nitroglycerin	0.32	U	2.7	0.32	ug/L		10/14/19 08:24	10/17/19 11:35	20
PETN	0.34	U	1.9	0.34	ug/L		10/14/19 08:24	10/17/19 11:35	20
RDX	0.40	U	1.9	0.40	ug/L		10/14/19 08:24	10/17/19 11:35	20
Tetryl	0.40	U *	1.9	0.40	ug/L		10/14/19 08:24	10/17/19 11:35	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	33	X D	48 - 130	10/14/19 08:24	10/17/19 11:35	20
Nitrobenzene-d5	0	D X	48 - 130	10/31/19 19:20	11/01/19 17:02	20

**Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>2-Amino-4,6-dinitrotoluene</b>	<b>120</b>		19	4.0	ug/L		10/14/19 08:24	10/17/19 11:58	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	D X	48 - 130	10/14/19 08:24	10/17/19 11:58	200

**Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) - DL2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,3,5-Trinitrobenzene</b>	<b>380</b>	<b>J</b>	480	81	ug/L		10/14/19 08:24	10/17/19 12:09	5000
<b>2,4,6-Trinitrotoluene</b>	<b>2600</b>		480	110	ug/L		10/14/19 08:24	10/17/19 12:09	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	D X	48 - 130	10/14/19 08:24	10/17/19 12:09	5000

# Surrogate Summary

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

**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)
280-129533-1	SW1019-SW-WWIPOND	72 D
280-129533-1 - DL	SW1019-SW-WWIPOND	89 D
280-129533-1	SW1019-SW-WWIPOND	33 D X
280-129533-2	SW1019-Leachate	33 X D
280-129533-2 - DL	SW1019-Leachate	0 D X
280-129533-2 - DL2	SW1019-Leachate	0 D X
280-129533-2	SW1019-Leachate	0 D X
LCS 280-473886/2-A	Lab Control Sample	54
LCS 280-476047/2-A	Lab Control Sample	53
LCSD 280-473886/3-A	Lab Control Sample Dup	67
LCSD 280-476047/3-A	Lab Control Sample Dup	55
MB 280-473886/1-A	Method Blank	94
MB 280-476047/1-A	Method Blank	55

### Surrogate Legend

NBZ = Nitrobenzene-d5

# QC Sample Results

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Lab Sample ID: MB 280-473886/1-A

Matrix: Water

Analysis Batch: 474438

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473886

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		10/14/19 08:24	10/17/19 10:51	1
1,3-Dinitrobenzene	0.014	U	0.10	0.014	ug/L		10/14/19 08:24	10/17/19 10:51	1
2,3-Dinitrotoluene	0.015	U	0.10	0.015	ug/L		10/14/19 08:24	10/17/19 10:51	1
2,4,6-Trinitro-3-xylene	0.012	U	0.10	0.012	ug/L		10/14/19 08:24	10/17/19 10:51	1
2,4,6-Trinitrotoluene	0.022	U	0.10	0.022	ug/L		10/14/19 08:24	10/17/19 10:51	1
2,4-Dinitrotoluene	0.019	U	0.10	0.019	ug/L		10/14/19 08:24	10/17/19 10:51	1
2,6-Dinitrotoluene	0.022	U	0.10	0.022	ug/L		10/14/19 08:24	10/17/19 10:51	1
2-Amino-4,6-dinitrotoluene	0.021	U	0.10	0.021	ug/L		10/14/19 08:24	10/17/19 10:51	1
2-Nitrotoluene	0.022	U	0.10	0.022	ug/L		10/14/19 08:24	10/17/19 10:51	1
3,4-Dinitrotoluene	0.020	U	0.10	0.020	ug/L		10/14/19 08:24	10/17/19 10:51	1
3,5-Dinitrotoluene	0.034	U	0.10	0.034	ug/L		10/14/19 08:24	10/17/19 10:51	1
3-Nitrotoluene	0.025	U	0.10	0.025	ug/L		10/14/19 08:24	10/17/19 10:51	1
4-Amino-2,6-dinitrotoluene	0.019	U	0.10	0.019	ug/L		10/14/19 08:24	10/17/19 10:51	1
4-Nitrotoluene	0.026	U	0.10	0.026	ug/L		10/14/19 08:24	10/17/19 10:51	1
HMX	0.019	U	0.10	0.019	ug/L		10/14/19 08:24	10/17/19 10:51	1
Nitrobenzene	0.033	U	0.10	0.033	ug/L		10/14/19 08:24	10/17/19 10:51	1
Nitroglycerin	0.017	U	0.14	0.017	ug/L		10/14/19 08:24	10/17/19 10:51	1
PETN	0.018	U	0.10	0.018	ug/L		10/14/19 08:24	10/17/19 10:51	1
RDX	0.021	U	0.10	0.021	ug/L		10/14/19 08:24	10/17/19 10:51	1
Tetryl	0.021	U	0.10	0.021	ug/L		10/14/19 08:24	10/17/19 10:51	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	94		48 - 130	10/14/19 08:24	10/17/19 10:51	1

Lab Sample ID: LCS 280-473886/2-A

Matrix: Water

Analysis Batch: 474438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 473886

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,3,5-Trinitrobenzene	0.500	0.382		ug/L		76	48 - 135
1,3-Dinitrobenzene	0.500	0.350		ug/L		70	64 - 122
2,4,6-Trinitrotoluene	0.500	0.368		ug/L		74	10 - 145
2,4-Dinitrotoluene	0.500	0.301		ug/L		60	55 - 117
2,6-Dinitrotoluene	0.500	0.364		ug/L		73	54 - 123
2-Amino-4,6-dinitrotoluene	0.500	0.377		ug/L		75	47 - 134
2-Nitrotoluene	0.500	0.183		ug/L		37	25 - 127
3-Nitrotoluene	0.500	0.178		ug/L		36	18 - 123
4-Amino-2,6-dinitrotoluene	0.500	0.464		ug/L		93	50 - 139
4-Nitrotoluene	0.500	0.220		ug/L		44	27 - 128
HMX	0.500	0.449		ug/L		90	63 - 119
Nitrobenzene	0.500	0.231		ug/L		46	39 - 131
Nitroglycerin	0.500	0.427		ug/L		85	60 - 121
PETN	0.500	0.363		ug/L		73	46 - 151
RDX	0.500	0.470		ug/L		94	71 - 127
Tetryl	0.500	0.528		ug/L		106	15 - 134

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	54		48 - 130

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# QC Sample Results

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

**Lab Sample ID: LCSD 280-473886/3-A**

**Matrix: Water**

**Analysis Batch: 474438**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 473886**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD	
									Limit	Limit
1,3,5-Trinitrobenzene	0.500	0.517		ug/L		103	48 - 135	30	57	
1,3-Dinitrobenzene	0.500	0.484		ug/L		97	64 - 122	32	39	
2,4,6-Trinitrotoluene	0.500	0.495		ug/L		99	10 - 145	29	68	
2,4-Dinitrotoluene	0.500	0.413		ug/L		83	55 - 117	31	46	
2,6-Dinitrotoluene	0.500	0.439		ug/L		88	54 - 123	19	44	
2-Amino-4,6-dinitrotoluene	0.500	0.476		ug/L		95	47 - 134	23	41	
2-Nitrotoluene	0.500	0.242		ug/L		48	25 - 127	28	68	
3-Nitrotoluene	0.500	0.219		ug/L		44	18 - 123	20	89	
4-Amino-2,6-dinitrotoluene	0.500	0.551		ug/L		110	50 - 139	17	36	
4-Nitrotoluene	0.500	0.264		ug/L		53	27 - 128	18	72	
HMX	0.500	0.486		ug/L		97	63 - 119	8	34	
Nitrobenzene	0.500	0.317		ug/L		63	39 - 131	32	58	
Nitroglycerin	0.500	0.520		ug/L		104	60 - 121	20	71	
PETN	0.500	0.495		ug/L		99	46 - 151	31	50	
RDX	0.500	0.510		ug/L		102	71 - 127	8	25	
Tetryl	0.500	0.743	*	ug/L		149	15 - 134	34	51	

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5	67		48 - 130

**Lab Sample ID: MB 280-476047/1-A**

**Matrix: Water**

**Analysis Batch: 476329**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 476047**

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		10/31/19 19:20	11/01/19 14:53	1
1,3-Dinitrobenzene	0.014	U	0.10	0.014	ug/L		10/31/19 19:20	11/01/19 14:53	1
2,3-Dinitrotoluene	0.015	U	0.10	0.015	ug/L		10/31/19 19:20	11/01/19 14:53	1
2,4,6-Trinitro-3-xylene	0.012	U	0.10	0.012	ug/L		10/31/19 19:20	11/01/19 14:53	1
2,4,6-Trinitrotoluene	0.022	U	0.10	0.022	ug/L		10/31/19 19:20	11/01/19 14:53	1
2,4-Dinitrotoluene	0.019	U	0.10	0.019	ug/L		10/31/19 19:20	11/01/19 14:53	1
2,5-Dinitrotoluene	0.014	U	0.10	0.014	ug/L		10/31/19 19:20	11/01/19 14:53	1
2,6-Dinitrotoluene	0.022	U	0.10	0.022	ug/L		10/31/19 19:20	11/01/19 14:53	1
2-Amino-4,6-dinitrotoluene	0.021	U	0.10	0.021	ug/L		10/31/19 19:20	11/01/19 14:53	1
2-Nitrotoluene	0.022	U	0.10	0.022	ug/L		10/31/19 19:20	11/01/19 14:53	1
3,4-Dinitrotoluene	0.020	U	0.10	0.020	ug/L		10/31/19 19:20	11/01/19 14:53	1
3,5-Dinitrotoluene	0.034	U	0.10	0.034	ug/L		10/31/19 19:20	11/01/19 14:53	1
3-Nitrotoluene	0.025	U	0.10	0.025	ug/L		10/31/19 19:20	11/01/19 14:53	1
4-Amino-2,6-dinitrotoluene	0.019	U	0.10	0.019	ug/L		10/31/19 19:20	11/01/19 14:53	1
4-Nitrotoluene	0.026	U	0.10	0.026	ug/L		10/31/19 19:20	11/01/19 14:53	1
HMX	0.019	U	0.10	0.019	ug/L		10/31/19 19:20	11/01/19 14:53	1
Nitrobenzene	0.033	U	0.10	0.033	ug/L		10/31/19 19:20	11/01/19 14:53	1
Nitroglycerin	0.017	U	0.14	0.017	ug/L		10/31/19 19:20	11/01/19 14:53	1
PETN	0.018	U	0.10	0.018	ug/L		10/31/19 19:20	11/01/19 14:53	1
RDX	0.021	U	0.10	0.021	ug/L		10/31/19 19:20	11/01/19 14:53	1
Tetryl	0.021	U	0.10	0.021	ug/L		10/31/19 19:20	11/01/19 14:53	1

Eurofins TestAmerica, Denver

# QC Sample Results

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

**Lab Sample ID: MB 280-476047/1-A**  
**Matrix: Water**  
**Analysis Batch: 476329**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 476047**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	55		48 - 130	10/31/19 19:20	11/01/19 14:53	1

**Lab Sample ID: LCS 280-476047/2-A**  
**Matrix: Water**  
**Analysis Batch: 476329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 476047**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
1,3,5-Trinitrobenzene	0.500	0.313		ug/L		63	48 - 135	
1,3-Dinitrobenzene	0.500	0.325		ug/L		65	64 - 122	
2,3-Dinitrotoluene	0.500	0.345		ug/L		69	50 - 150	
2,4,6-Trinitro-3-xylene	0.500	0.314		ug/L		63	50 - 150	
2,4,6-Trinitrotoluene	0.500	0.304		ug/L		61	10 - 145	
2,4-Dinitrotoluene	0.500	0.291		ug/L		58	55 - 117	
2,5-Dinitrotoluene	0.500	0.299		ug/L		60	50 - 150	
2,6-Dinitrotoluene	0.500	0.329		ug/L		66	54 - 123	
2-Amino-4,6-dinitrotoluene	0.500	0.345		ug/L		69	47 - 134	
2-Nitrotoluene	0.500	0.198		ug/L		40	25 - 127	
3,4-Dinitrotoluene	0.501	0.348		ug/L		69	50 - 150	
3,5-Dinitrotoluene	0.500	0.268		ug/L		54	50 - 150	
3-Nitrotoluene	0.500	0.187		ug/L		37	18 - 123	
4-Amino-2,6-dinitrotoluene	0.500	0.373		ug/L		75	50 - 139	
4-Nitrotoluene	0.500	0.209		ug/L		42	27 - 128	
HMX	0.500	0.385		ug/L		77	63 - 119	
Nitrobenzene	0.500	0.243		ug/L		49	39 - 131	
Nitroglycerin	0.500	0.459		ug/L		92	60 - 121	
PETN	0.500	0.330		ug/L		66	46 - 151	
RDX	0.500	0.434		ug/L		87	71 - 127	
Tetryl	0.500	0.444		ug/L		89	15 - 134	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	53		48 - 130

**Lab Sample ID: LCSD 280-476047/3-A**  
**Matrix: Water**  
**Analysis Batch: 476329**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 476047**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
1,3,5-Trinitrobenzene	0.500	0.375		ug/L		75	48 - 135	18	57	
1,3-Dinitrobenzene	0.500	0.343		ug/L		69	64 - 122	5	39	
2,3-Dinitrotoluene	0.500	0.348		ug/L		70	50 - 150	1	30	
2,4,6-Trinitro-3-xylene	0.500	0.319		ug/L		64	50 - 150	2	30	
2,4,6-Trinitrotoluene	0.500	0.318		ug/L		64	10 - 145	4	68	
2,4-Dinitrotoluene	0.500	0.308		ug/L		62	55 - 117	6	46	
2,5-Dinitrotoluene	0.500	0.334		ug/L		67	50 - 150	11	50	
2,6-Dinitrotoluene	0.500	0.331		ug/L		66	54 - 123	1	44	
2-Amino-4,6-dinitrotoluene	0.500	0.411		ug/L		82	47 - 134	17	41	
2-Nitrotoluene	0.500	0.166		ug/L		33	25 - 127	17	68	
3,4-Dinitrotoluene	0.501	0.343		ug/L		68	50 - 150	1	30	

Eurofins TestAmerica, Denver

# QC Sample Results

Client: Chemours Company FC, LLC The  
 Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

**Lab Sample ID: LCSD 280-476047/3-A**  
**Matrix: Water**  
**Analysis Batch: 476329**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 476047**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3,5-Dinitrotoluene	0.500	0.298		ug/L		60	50 - 150	11	30
3-Nitrotoluene	0.500	0.156		ug/L		31	18 - 123	18	89
4-Amino-2,6-dinitrotoluene	0.500	0.404		ug/L		81	50 - 139	8	36
4-Nitrotoluene	0.500	0.178		ug/L		36	27 - 128	16	72
HMX	0.500	0.388		ug/L		78	63 - 119	1	34
Nitrobenzene	0.500	0.260		ug/L		52	39 - 131	7	58
Nitroglycerin	0.500	0.505		ug/L		101	60 - 121	9	71
PETN	0.500	0.363		ug/L		73	46 - 151	10	50
RDX	0.500	0.434		ug/L		87	71 - 127	0	25
Tetryl	0.500	0.518		ug/L		104	15 - 134	15	51

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	55		48 - 130

# QC Association Summary

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## LCMS

### Prep Batch: 473886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-129533-1 - DL	SW1019-SW-WWIPOND	Total/NA	Water	3535	
280-129533-1	SW1019-SW-WWIPOND	Total/NA	Water	3535	
280-129533-2 - DL	SW1019-Leachate	Total/NA	Water	3535	
280-129533-2	SW1019-Leachate	Total/NA	Water	3535	
280-129533-2 - DL2	SW1019-Leachate	Total/NA	Water	3535	
MB 280-473886/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-473886/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 280-473886/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 474438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-129533-1	SW1019-SW-WWIPOND	Total/NA	Water	8321A	473886
280-129533-1 - DL	SW1019-SW-WWIPOND	Total/NA	Water	8321A	473886
280-129533-2	SW1019-Leachate	Total/NA	Water	8321A	473886
280-129533-2 - DL	SW1019-Leachate	Total/NA	Water	8321A	473886
280-129533-2 - DL2	SW1019-Leachate	Total/NA	Water	8321A	473886
MB 280-473886/1-A	Method Blank	Total/NA	Water	8321A	473886
LCS 280-473886/2-A	Lab Control Sample	Total/NA	Water	8321A	473886
LCSD 280-473886/3-A	Lab Control Sample Dup	Total/NA	Water	8321A	473886

### Prep Batch: 476047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-129533-1	SW1019-SW-WWIPOND	Total/NA	Water	3535	
280-129533-2	SW1019-Leachate	Total/NA	Water	3535	
MB 280-476047/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-476047/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 280-476047/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 476329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-129533-1	SW1019-SW-WWIPOND	Total/NA	Water	8321A	476047
280-129533-2	SW1019-Leachate	Total/NA	Water	8321A	476047
MB 280-476047/1-A	Method Blank	Total/NA	Water	8321A	476047
LCS 280-476047/2-A	Lab Control Sample	Total/NA	Water	8321A	476047
LCSD 280-476047/3-A	Lab Control Sample Dup	Total/NA	Water	8321A	476047



# Lab Chronicle

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

**Client Sample ID: SW1019-SW-WWIPOND**

**Lab Sample ID: 280-129533-1**

**Date Collected: 10/07/19 09:00**

**Matrix: Water**

**Date Received: 10/09/19 09:25**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1023.6 mL	5 mL	473886	10/14/19 08:24	JT	TAL DEN
Total/NA	Analysis	8321A		10			474438	10/17/19 11:24	AGCM	TAL DEN
Total/NA	Prep	3535	DL		1023.6 mL	5 mL	473886	10/14/19 08:24	JT	TAL DEN
Total/NA	Analysis	8321A	DL	200			474438	10/17/19 11:47	AGCM	TAL DEN
Total/NA	Prep	3535			1020.5 mL	5 mL	476047	10/31/19 19:20	KSA	TAL DEN
Total/NA	Analysis	8321A		10			476329	11/01/19 16:30	AGCM	TAL DEN

**Client Sample ID: SW1019-Leachate**

**Lab Sample ID: 280-129533-2**

**Date Collected: 10/08/19 07:45**

**Matrix: Water**

**Date Received: 10/09/19 09:25**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1046.5 mL	5 mL	473886	10/14/19 08:24	JT	TAL DEN
Total/NA	Analysis	8321A		20			474438	10/17/19 11:35	AGCM	TAL DEN
Total/NA	Prep	3535	DL		1046.5 mL	5 mL	473886	10/14/19 08:24	JT	TAL DEN
Total/NA	Analysis	8321A	DL	200			474438	10/17/19 11:58	AGCM	TAL DEN
Total/NA	Prep	3535	DL2		1046.5 mL	5 mL	473886	10/14/19 08:24	JT	TAL DEN
Total/NA	Analysis	8321A	DL2	5000			474438	10/17/19 12:09	AGCM	TAL DEN
Total/NA	Prep	3535			1043.4 mL	5 mL	476047	10/31/19 19:20	KSA	TAL DEN
Total/NA	Analysis	8321A		20			476329	11/01/19 17:02	AGCM	TAL DEN

**Laboratory References:**

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

# Accreditation/Certification Summary

Client: Chemours Company FC, LLC The  
Project/Site: BAR-SW and Sed Sampling 2019

Job ID: 280-129533-1

## Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State Program	999615430	08-31-20

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**Chain of Custody Record**

<p><b>Client Information</b>          Client Contact:          Sharon Nordstrom          Chemours Company FC, LLC The          Address:          c/o AECOM Sabre Building 4051 Oglethorpe Road, Suite 300          City:          Newark          State, Zip:          DE, 19713          Phone:          302-781-5936(Tel)          Email:          sharon.nordstrom@aecom.com          Project Name:          BAR-SW and Sed Sampling 2019          Site:          Barksdale, WI</p>	<p><b>Sampler:</b>          Desmond Nielsen, Dan Barton          Phone:          715-373-2100          Lab PM:          Johnston, Michelle          E-Mail:          michelle.johnston@testamericainc.com</p>	<p><b>Carrier Tracking No(s):</b>          7765-8715-4620          Job #:          508001</p>	<p><b>Analysis Requested</b></p>																																	
<p><b>Due Date Requested:</b>          TAT Requested (days):          PO #:          LBIO-67048/7201000-WH06-507975          WO #:          Project #:          28003388          SSONW</p>		<p><b>Preservation Codes:</b>          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 - EDTA          Other:          M - Hexane          N - None          O - AsNaO2          P - Na2O4S          Q - Na2SO3          R - Na2S2O3          S - HZSO4          T - TSP Dodecahydrate          U - Acetone          V - MCAA          W - ph 4-5          Z - other (specify)</p>																																		
<p><b>Sample Identification</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=waste/oil, BT=Tissue)</th> <th>Preservation Code</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>NNOCs</th> <th>Total Number of Containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>SW1019-SW-WWIPOND</td> <td>10/7/19</td> <td>900</td> <td>G</td> <td>Water</td> <td></td> <td>N</td> <td>N</td> <td>2</td> <td>2</td> <td>Possible high concentration sample. Please filter sample.</td> </tr> <tr> <td>SW1019-Leachate</td> <td>10/8/19</td> <td>745</td> <td>G</td> <td>Water</td> <td></td> <td>N</td> <td>N</td> <td>2</td> <td>2</td> <td>Possible high concentration sample. Please filter sample.</td> </tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NNOCs	Total Number of Containers	Special Instructions/Note:	SW1019-SW-WWIPOND	10/7/19	900	G	Water		N	N	2	2	Possible high concentration sample. Please filter sample.	SW1019-Leachate	10/8/19	745	G	Water		N	N	2	2	Possible high concentration sample. Please filter sample.	<p><b>Barcode:</b>            280-129533 Chain of Custody</p>	
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NNOCs	Total Number of Containers	Special Instructions/Note:																										
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SW1019-Leachate	10/8/19	745	G	Water		N	N	2	2	Possible high concentration sample. Please filter sample.																										
<p><b>Possible Hazard Identification</b>  <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)</p>																																				
<p><b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>  <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months          Special Instructions/QC Requirements:</p>																																				
<p><b>Empty Kit Relinquished by:</b>          Relinquished by:           Relinquished by:           Relinquished by: _____</p>																																				
<p><b>Custody Seals Intact:</b>  <input type="checkbox"/> Yes <input type="checkbox"/> No          Custody Seal No.:</p>																																				



# Login Sample Receipt Checklist

Client: Chemours Company FC, LLC The

Job Number: 280-129533-1

**Login Number: 129533**

**List Source: Eurofins TestAmerica, Denver**

**List Number: 1**

**Creator: Petunin, Peter**

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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

