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Mr. Bradley S. Nave
Principal Project Manager
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500 West Jefferson St., Suite 1600
Louisville, KY 40202

**Re: Summary of 2017 Site Investigation Activities
Former DuPont Barksdale Explosives Plant
BRRTS No. 02-04-00156**

Dear Mr. Nave:

This letter provides a summary of site investigation work conducted in 2017 at the Chemours Barksdale Works site (see Figure 1). The information is provided for your communication to the Wisconsin Department of Natural Resources (WDNR) in order to fulfill their request for annual summary reports detailing field work conducted at the site.

The site characterization work conducted during the 2017 field season (April 25 through October 19, 2017) included:

- Delineation of subsurface residual solid product and process-related residuals
- Groundwater sampling
- Surface water and sediment sampling
- Field screening and characterization of debris and fill materials
- Characterization sampling at bio-pilot test sites

In addition to investigative efforts, pilot-scale bio-remediation evaluation (bio-pilot) work was continued in 2017 in an effort to further understand the mechanisms for biodegradation and pH controlled reduction of site-related constituents in soil. This work, associated waste management tasks, and the site investigation have been reported under separate cover (Waste Management Progress Report No. 6, Bioremediation Pilot Test – 2017 Field Season, Former DuPont Barksdale Explosives Plant; DuPont, June 6, 2018 (HWRV report)).

The 2017 investigation areas are indicated on Figures 2 and 3. The overall scope of work related to each of these efforts is summarized in the following paragraphs.

Delineation of Residual Solid Product and Process Residuals in the Subsurface

Solid residual product has been found at former production buildings and ditches during past investigation work. As a result, typical sample collection methods such as GeoProbe® (percussive, direct push) sampling are not appropriate as an initial delineation technique. Alternatively, blast-shielded excavation equipment is used to open trenches and the exposed area is screened with amplifying fluorescent polymer field screening (FIDO®) combined with qualitative confirmation by colorimetric explosives identification spray (Expray®) to identify explosive hazards. Confirmation soil samples are collected and submitted to an independent analytical laboratory for analysis following field screening.

When conducting delineation trenching, field crews conduct field screening using the FIDO¹ along the proposed excavation surface then utilize non-sparking hand tools to investigate detections and remove any solid product present. Once the field screening results are evaluated, the 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 either brought to the surface by the excavator and then screened or the area is benched appropriately to allow access by field staff.

In 2017, delineation excavation focused on the former production areas in the northeastern portion of the site (Use Area PAJ) at the following locations:

- Wash House Drainage Ditch (PAJD0021)
- Wash House Catch Basin (PAJD0024)
- Wash House Foundation (PAJB0006)
- The Refined Triton Eastern Overflow Area (no feature designation)
- PAJ Central Drainage (PAJD0001)

Residual solid product (RSP), identified by visual evidence and field screening (FIDO® and Expray®), was encountered during the current reporting period at dispersed locations within the Wash House production area and the Refined Triton East Graining house overflow area (Delta), both within use area PAJ.

RSP removed in 2017 consisted of approximately 3,324-pounds (lbs) of residual TNT product from the PAJ investigation area (Table 2). This RSP was wetted to remove explosive characteristics. As part of the bio-pilot testing, the RSP was placed in treatment cell C31, saturated with water, and lime was mixed into the RSP / soil matrix. No RSP was sent off-site for incineration in 2017. Approximately one cubic foot of soil containing an estimated seven pounds of residual TNX (a total of 130 lbs of product, soil, and added water) was sent to the US Army Corp of Engineers in Vicksburg, Mississippi for testing (see HWRV report).

¹ The FIDO instrument reports in % attenuation of its internal fluorescent light stream. Typical results range from 0.3% (background) to 30% attenuation (percentage product). Background readings vary based on humidity, wind speed, and instrument position (distance of the probe intake from the target media) but generally fall below 0.7 % attenuation. Readings between 0.7% and 2.0% have been observed to correlate with impacted soil at or below the Recreational RCL. Readings between 2% and 5 % have been reported for soil impacted below percentage levels. Readings between 5% and 30% commonly indicate solid product or dispersed residues in soil at the percentage level. Readings above 30% typically indicate saturation of the instrument.

Table 3 details the amount of soil managed at each area. A total of 972 cubic (cu) yards (yd) of soil that contained greater than 1.5% product in soil, as determined by field screening, was placed into bio-pilot test cells (C-27, C-28 and C-31).

Once a building site or ditch had been cleared of potentially explosive materials, composite and grab samples were collected at the excavation base and sidewalls to evaluate conditions remaining after excavation. Samples in ditch excavations were collected about every 15-ft to 30-ft (see Table 1) along the length of the ditch. The results of this testing indicated there are nitroaromatic and nitramine organic constituent (NNOC) concentrations in soil at levels above site-specific residual contaminant levels (RCLs) within the refined triton eastern overflow area.

Site Investigation

PAJ Wash House Foundation (PAJB0006)

The Wash House foundation was initially investigated in 2012 with a cursory excavation that ended when a catch box was identified directly east of the foundation. This catch box, currently identified as the Wash House catch basin (PAJD0024), was the focus of a 2015 investigation. Laboratory results received following this investigation indicated that the initial area of focus was larger (both wider and deeper) than had been anticipated. The 2017 investigation picked up where the 2015 investigation left off. Both the Wash House foundation and catch basin were investigated in their entirety during the 2017 field season.

Approximately 444 cubic yards (cu yds) of impacted soil was removed from the Wash House foundation excavations and placed in cells C-27 and C-28 for treatment. Material removed from this area contained less than 5% product in soil, as determined by field screening.

Wash House Catch Basin (PAJD0024)

This area comprises the south and east sides (outside the foundation) of the Wash House foundation. This excavation was a continuation of the 2015 excavation in the same area. The excavation extended approximately 90 feet east/west along the south side of the foundation and 40 feet north/south along the east side of the foundation. Approximately 178 cu yds of impacted soil was removed from the Wash House catch basin and placed in cells C-27 and C-28 (55 cu yds and 123 cu yds, respectively). An estimated 7.28 cu yds of material that contained greater than 5% product in soil, as determined by field screening, was removed, processed, and placed in cell C-31 for treatment.

Wash House Drainage Ditch (PAJD0021)

The Wash House drainage ditch runs 110 feet from west to east between the Wash Catch Basin (PAJD0024) and the PAJ Central Drainage (PAJD0001). Approximately 59 cu yds of soil which contained between 1.5% and 5.0% product in soil, as determined by field screening, was removed and placed in cell C-27 for treatment. An estimated 0.12 cu yds of material containing greater than 5% product in soil was removed, processed, and placed in cell C-31 for treatment.

Refined Triton Eastern Overflow (Delta)

The Refined Triton Eastern Overflow area was first investigated during the 2015 field season. The feature lies to the east of the Refined Triton East Graining House (RTEGH) and appears to be a drainage outfall feature of the PAJ Refined Triton process area. Surficial product was noted at the end of the 2015 field season towards the southern end of the Delta feature. A follow-up investigation was conducted in 2017. Due to time constraints of the field work season, not all of

the identified impacted soils were able to be removed. About half an acre of soil was investigated in 2017. A ditch-line defines the middle of the Delta feature starting from a railgrade (PAJR0003) to the north of the area to about 200 feet to the south. Approximately 280 cu yds of impacted soil which contained between 1.5% and 5.0% product in soil, as determined by field screening, was removed from the Delta area and placed in cell C-28 for treatment. Four cubic yards of impacted soils at or above an estimated 5% product in soil were placed in C-31.

PAJ Central Drainage (PAJD0001)

Approximately 320 linear feet of the Central Drainage was investigated downstream of the Wash House (PAJB0006), the Wash House catch basin (PAJB0024), the Wash House drainage ditch (PAJB0021), the Refined Triton West Graining House (RTWGH) (PAJB0002), and the RTWGH southern drainage ditch (PAJD0012). There was no product observed and no detections of impacted materials above 1.5% product in soil on field instrumentation within the Central Drainage.

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 October 2017. In 2017, sediment quantities observed in sediment traps at only three of the sampling locations were sufficient for laboratory analysis. As a result, no sediment samples were collected for laboratory analysis at nine of the twelve locations. No site-related NNOCs were detected in the three sediment samples. Surface water sampling results are below human health and ecological screening criteria.

Groundwater Sampling

Groundwater samples were collected from the following locations in 2017:

- Monitoring well PZ-41O.
- Samples of the Clubhouse and office trailer (PZ-16 POT) water supply wells.

Analytical results from the groundwater sampling are generally consistent with historical results. Detailed results will be provided in a separate report.

Debris Screening and Characterization Sampling

Remnant building materials were moved to allow field crews to gain access to delineation sites. The materials included concrete (walls) and wood (found spread out in and around the ditch-lines and the Wash house foundation). 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 during the 2017 site investigation work is listed in Table 2.

In 2017, the only location where a significant volume of concrete was handled was the Wash House (PAJB0006). The exposed surfaces of the concrete were examined with both FIDO and Expray tools. The pieces of concrete that screened below the FIDO background reading of 1.50

instrument units and had a negative color reaction (no reaction) on the Expray were returned to the source excavation. Pieces that screened above the FIDO background reading of 1.50 instrument units or tested with a positive color reaction on the Expray were removed and placed in cell C-28 for storage, cleaning, and to await further evaluation.

Vitrified clay pipe (VCP) was not encountered at the excavation sites in 2017.

Wood was segregated from soil during 2017 trenching operations. Approximately 10 cu ft of impacted wood was removed from excavations during the 2017 field season and placed in the appropriate waste container (Table 3).

Metallic debris (pipe and rebar) was also encountered during the site investigation. Metallic debris was accumulated in C-28 to await cleaning and then be sent to a designated storage location. A total of 3 cu ft of metal (38 linear ft of 3 inch & 4 inch diameter pipes) was collected, screened, and subsequently placed in C-28. Details of metallic debris processing have been reported under separate cover (see HWRV Report).

Characterization Sampling at Bio-pilot Test Sites

Samples collected throughout the bio pilot test sites indicate generally, a significant decrease in constituent concentrations over time. As a result of biodegradation, constituent concentrations in soil in a number of cells have fallen below site-specific RCLs and active biodegradation testing is not being conducted on these cells at this time. These “dormant cells” have been mulched, seeded, and monitored to measure rates of re-vegetation. These “dormant cells” include C-7, C-8, C-9, C-10, C-11, C-13, C-14, C-15, and C-18.

Cells C-01, C-02, C-03, C-04, C-05, C-19, and C-20 remained active in 2017. Samples were collected from all of these cells. Tilling was attempted on a number of cells; however, due to the consistent wet conditions throughout the field season the tractor and tiller could not complete tilling in cells C-05, C-17, C-19, or C-20. Based on samples collected in the beginning of the field season it was determined that soil concentrations in C-05, C-19, and C-20 had fallen below RCL's. Cells C-05, C-19, and C-20 were seeded and mulched in 2017.

Five new cells were constructed in 2017; C-28, C-29, C-30, C-31, and C-32. Cell C-28 is the largest cell constructed on site. It was designed to hold up to 900 cu yds of material at 1.8 feet of soil thickness. C-28 was loaded with about 750 cu yds of impacted soils in 2017 from both the Wash House and Delta areas in PAJ. Cells C-29 through C-32 were designed to hold up to 30 cu yds of material. C-31 was loaded in 2017 with highly impacted soil. The other new cells (C-29, C-30, and C-32), were not loaded in 2017.

Based on results of a study conducted in 2013 and 2014 with the US Army Corp of Engineers in cell C-23, accelerated degradation could be achieved by mixing anhydrous lime within the soil matrix of contaminated materials to increase the pH of the material. The increased pH soil matrix enables conditions for anoxic bacteria to thrive and enable the acceleration of degradation in nitro amine compounds. This study was replicated on a larger scale in 2015 & 2016 with positive results. The study was expanded further in 2017.

Bio-Pilot Lime Addition

Over the course of the field season bio-pilot cells C-06, C-17, C-21, C-27 and C-31 were treated with an anhydrous lime addition to measure the enhanced degradation of TNT and DNT

constituents and their isomers. Samples were collected from these cells to evaluate the process over time.

Cells C-12, C-16, C-24, C-25 and C-26: Cell C-26 went through routine tilling in 2017. However, cells C-12, C-16, C-24, and C-25 were not tilled due to the persistent wet conditions during the field season. Samples were taken from all cells to help continue to evaluate the concentrations of TNT and DNT material.

Waste Recovery, Handling, and Disposal

Waste materials managed and/or removed during site investigation work in 2017, included waste (such PPE, buckets, tarps, or wood) with residual product on it. Waste management details have been reported under separate cover (see HWRV Report).

To date, the total product removed from the Former Barksdale Work (including incidental product entrained in decontamination waste streams) is estimated as follows:

Year	TNT (lbs)	DNT (lbs)	DNX (lbs)	TNX (lbs)	Water (gal)	Debris (tons)	Soil (tons)
2017	* 0	0	0	8	0	1.3	0.1
2016	300	2	0	0	32,805	0.1	1
2015	1,940	7	0	0	150	1.6	2.3
2014	1,127	736	0	0	2,010	0.1	0.7
2013	658	0	0	0	2,050	2.4	0.8
2012	1,975	0	0	0	0	9.8	2
2011	5,343	8,008	73	0	7,069	4.1	34.9
2010	7,523	221	6	0	3,719	3	19
2009	1,066	2,577	430	0	1,547	23.3	27.2
2008	489	686	0	0	1,426	0.2	2.2
2007	547	3	0	0	2,728	0.2	2
2006	463	6	0	0	3,708	0.4	5.5
2005	455	1	0	0	2,211	0	0.9
2004	305	0	0	0	2,839	0	0.2
To Date	22,191	12,247	509	8	62,262	47	99

This table is culmination of data collected from previous Site Summary reports. Also see 2017 HWRV Report.

Note: 3,324 pounds of TNT that would typically be removed from site for incineration was placed in Cell C-31 and treated in 2017

All product weights represented on this chart (TNT, DNT, DNX, & TNX) are estimated product weights only; this does not include soil weight.

Summary

The 2017 site investigation effort covered 520 linear feet of ditch line, one building foundation, and the PAJ Delta area. Of the 173 site investigation soil samples collected, only samples collected from the ongoing PAJ Delta excavation area indicated that further investigation may be required (Figure 3). RSP encountered in 2017 consisted of approximately 3,324-pounds of residual TNT product. As part of the bio-pilot testing the RSP was placed in treatment cell C-31, saturated with water, and lime was mixed into the RSP / soil matrix. No RSP was sent off-site for incineration in 2017. Another estimated 975 yds of soil was placed in bio cells for onsite treatment. No site-related NNOCs were detected in the three sediment samples. Surface water sampling results are below human health and ecological screening criteria.

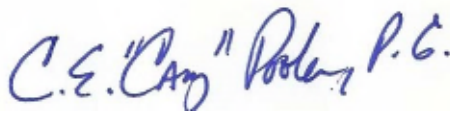
To date, an estimated total of 34,955 lbs of solid product (TNT, DNT, TNX, & DNX) have been removed (transported off-site) from the site. Another estimated 5,507 cu yds of impacted soil (see HWVR report) has been placed into bio pilot treatment cells for onsite treatment.

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 2017. Should you have any questions or comments regarding the work summarized above, please do not hesitate to contact us.

Sincerely,



Nick Shorkey
Project Scientist
AECOM



C. E. "Cary" Pooler, PG
Senior Project Manager
AECOM

Attachments:

Tables

Table 1 – 2017 Analytical Samples

- (a) – Site Investigation Samples
- (b) – Bio-pilot Cell Samples
- (c) – Other Site Samples

Table 2 – 2017 Debris and Residuals Removed

Table 3 – 2017 Soils Moved to Test Cells

Table 4 – Bio-pilot Historical Summary

Figures

Figure 1 – Site Location

Figure 2 – 2017 Field Work Locations

Figure 3 – 2017 Delineation Field Work Locations

Figure 4 – 2017 Water Sampling Sites

Laboratory Reports

Pace Analytical - December 2017 – Site Investigation Sample Report

TABLES

Table 1 (a)
2017 Site Investigation Samples
 Summary of 2017 Site Investigation Activities
 Former DuPont Barksdale Works
 Ashland, Wisconsin
 BRRTS: 02-04-000156 / 02-04-550402

Sample ID	Quick Reference Name	Date	Time	Project	Work area (Example PAH)	Working Name	Feature Location ID (Ex: PAHR007)	Top Depth (feet bgs)	Bottom Depth (feet bgs)	Sample Type	Matrix	Description
STIG-170713-002C (4.5-5)	002C	7/13/2017	10:05	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	4.5	5.0	Grab	SOIL	Ditch center 42 ft east of WASH from WASH House
STIG-170713-002N (3-3.5)	002N	7/13/2017	10:45	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.0	3.5	Grab	SOIL	North side wall: 1.5 ft N of 002C from WASH House
STIG-170713-002S (3.5-4)	002S	7/13/2017	10:56	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.5	4.0	Grab	SOIL	South side wall: 1.5 ft S of 002C from WASH House east foundation
STIG-170713-002 (0-5)	002	7/13/2017	10:57	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	0.0	5.0	Comp	SOIL	Composite of 1st 15 ft: 3 ft to 8 ft east of start from WASH House east foundation
STIG-170713-003C (4.5-5)	003C	7/13/2017	11:04	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	4.5	5.0	Grab	SOIL	Ditch center: 15 ft west of 002C from WASH House east foundation
STIG-170713-003N (3.5-4)	003N	7/13/2017	11:05	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.5	4.0	Grab	SOIL	North side wall: 1.5 ft N of 003C from WASH House east foundation
STIG-170713-003S (3.5-4)	003S	7/13/2017	11:06	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.5	4.0	Grab	SOIL	South side wall: 1.5 ft S of 003C from WASH House east foundation
STIG-170713-0032 (1-5)	0032	7/13/2017	11:08	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.0	5.0	Comp	SOIL	Area composite: 8 ft east of 002C to 23 ft east from WASH House east foundation
STIG-170713-004C (3.5-4)	004C	7/13/2017	14:30	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.5	4.0	Grab	SOIL	Ditch center: 15 ft east of 003C from WASH House east foundation
STIG-170713-004N (2-2.5)	004N	7/13/2017	14:32	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	2.0	2.5	Grab	SOIL	North side wall: 1.5 ft N of 004C from WASH House east foundation
STIG-170713-004S (1.5-2)	004S	7/13/2017	14:34	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.5	2.0	Grab	SOIL	South side wall: 1.5 ft S of 004C from WASH House east foundation
STIG-170713-004 (1-4)	004	7/13/2017	14:36	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.0	4.0	Comp	SOIL	Area composite: 23 ft to 38 ft east of 003C from WASH House east foundation
STIG-170713-005C (3-3.5)	005C	7/13/2017	15:00	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.0	3.5	Grab	SOIL	Ditch center: 1.5 ft east of 004C from WASH House east foundation
STIG-170713-005N (2-2.5)	005N	7/13/2017	15:02	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	2.0	2.5	Grab	SOIL	North side wall: 1.5 ft N of 005C from WASH House east foundation
STIG-170713-005S (1.5-2)	005S	7/13/2017	15:04	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.5	2.0	Grab	SOIL	South side wall: 1.5 ft S of 005C from WASH House east foundation
STIG-170713-0052 (1-3.5)	0052	7/13/2017	15:06	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.0	3.5	Comp	SOIL	Area composite: 38 ft to 53 ft east of 004C from WASH House east foundation
STIG-170714-006C (3.5-4)	006C	7/14/2017	15:30	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.5	4.0	Grab	SOIL	Clean Ditch bottom: 15 ft east of 005C from East side of WASH foundation
STIG-170714-006N (2.5-3)	006N	7/14/2017	15:32	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	2.5	3.0	Grab	SOIL	North side wall: 1.5 ft N of 006C from East side of WASH foundation
STIG-170714-006S (2.5-3)	006S	7/14/2017	15:34	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	2.5	3.0	Grab	SOIL	South side wall: 1.5 ft S of 006C from East side of WASH foundation
STIG-170714-006 (1-4)	006	7/14/2017	15:36	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.0	4.0	Comp	SOIL	Area composite: 7.5 ft E and W of 006C from East side of WASH foundation
STIG-170714-007C (4.4-5)	007C	7/14/2017	15:40	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	4.0	4.5	Grab	SOIL	Clean Ditch bottom: 15 ft E of 006C from East side of WASH foundation
STIG-170714-007N (2-2.5)	007N	7/14/2017	15:42	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	2.0	2.5	Grab	SOIL	North side wall: 1.5 ft N of 007C from East side of WASH foundation
STIG-170714-007S (3-3.5)	007S	7/14/2017	15:44	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.0	3.5	Grab	SOIL	South side wall: 1.5 ft S of 007C from East side of WASH foundation
STIG-170714-007 (1-4.5)	007	7/14/2017	15:46	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.0	4.5	Comp	SOIL	Area composite: 7.5 ft E and W of 007C from East side of WASH foundation
STIG-170714-008C (3.5-4)	008C	7/14/2017	16:20	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.5	4.0	Grab	SOIL	15 ft west of central draining: 100 ft east of WASH from East side of WASH foundation
STIG-170714-008N (3-3.5)	008N	7/14/2017	16:22	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	3.0	3.5	Grab	SOIL	North side wall intersection: 1.5 ft N of 008C from East side of WASH foundation
STIG-170714-008S (1.5-2)	008S	7/14/2017	16:24	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.5	2.0	Grab	SOIL	South side wall: 1.5 ft S of 008C from East side of WASH foundation
STIG-170714-008 (1-4)	008	7/14/2017	16:26	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.0	4.0	Comp	SOIL	Area composite: 7.5 ft east of 007 to 7.5 ft east of 008C from East side of WASH foundation
STIG-170717-009C (2-3)	009C	7/17/2017	10:15	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	2.5	3.0	Grab	SOIL	Last stretch of ditch before intersection of central drain: 10' E of 008C from East of east WASH wall
STIG-170717-009N (1-2.5)	009N	7/17/2017	10:16	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	2.0	2.5	Grab	SOIL	North side wall: 2 ft N of 009C from East of east WASH wall
STIG-170717-009S (2-5)	009S	7/17/2017	10:17	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.5	2.0	Grab	SOIL	South side wall: 2 ft S of 009C from East of east WASH wall
STIG-170717-009 (1-3.5)	009	7/17/2017	10:18	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	1.0	3.0	Comp	SOIL	Area composite: 5 ft E of 008 to 1 ft W of 004 from East of east WASH wall
STIG-170720-011 (0-0.5)	011	7/20/2017	14:04	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	0.0	0.5	Comp	SOIL	Backfill composite: 60.6 ft E 152' from East of east WASH wall
STIG-170720-012 (0-0.5)	012	7/20/2017	14:09	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	0.0	0.5	Comp	SOIL	Backfill composite: 45.4 ft E 152' from East of east WASH wall
STIG-170720-013 (0-0.5)	013	7/20/2017	14:14	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	0.0	0.5	Comp	SOIL	Backfill composite: 29.9 ft E 152' from East of east WASH wall
STIG-170720-014 (0-0.5)	014	7/20/2017	14:19	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	0.0	0.5	Comp	SOIL	Backfill composite: 15 ft E of 152' from East of east WASH wall
STIG-170720-015 (0-0.5)	015	7/20/2017	14:24	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	0.0	0.5	Comp	SOIL	Backfill composite: 72.3 ft SE WHCP from East of east WASH wall
STIG-170822-018 (1-5)	018	8/22/2017	15:00	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	1.0	5.0	Comp	SOIL	Clean ditch backfill material piled to the southwest of the excavation: 30 ft to 45 ft west and 0 ft to 14 ft south of foundation corner from South-east corner of WASH foundation
STIG-170822-019 (1-5)	019	8/22/2017	15:10	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	1.0	5.0	Comp	SOIL	Clean ditch backfill material piled to the south of the excavation: 15 ft to 30 ft west and 0 ft to 14 ft south of foundation corner from South-east corner of WASH foundation
STIG-170822-020 (1-5)	020	8/22/2017	15:20	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	1.0	5.0	Comp	SOIL	Clean ditch backfill material piled to the south of the excavation: 0 ft to 15 ft west and 0 ft to 14 ft south of foundation corner from South-east corner of WASH foundation
STIG-170823-021N (3-3)	021N	8/23/2017	9:04	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	3.0	3.0	Grab	SOIL	PAJD0024 confirmation sample: 2 ft north of 021C from South-east corner of WASH foundation
STIG-170823-021NW (3.5-3.5)	021NW	8/23/2017	9:09	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	3.5	3.5	Grab	SOIL	PAJD0024 confirmation sample: 38 ft west and 3 ft south of landmark from South-east corner of WASH foundation
STIG-170823-021S (3-3)	021S	8/23/2017	9:14	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	3.0	3.0	Grab	SOIL	PAJD0024 confirmation sample: 2 ft south of 021C from South-east corner of WASH foundation
STIG-170823-021 (3-5)	021	8/23/2017	9:19	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	3.0	5.5	Comp	SOIL	PAJD0024 confirmation sample: 2 ft west to 10 ft east and 2 ft south to 6 ft north of 021C from South-east corner of WASH foundation
STIG-170823-021SW (3.5-3.5)	021SW	8/23/2017	8:53	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	3.5	3.5	Grab	SOIL	PAJD0024 confirmation sample: 37 ft west and 10 ft south of landmark from South-east corner of WASH foundation
STIG-170823-021C (5-5.5)	021C	8/23/2017	8:58	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.5	5.5	Grab	SOIL	PAJD0024 confirmation sample: 36 ft west and 8 ft south of landmark from South-east corner of WASH foundation
STIG-170823-022S (2-5)	022S	8/23/2017	8:55	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	2.5	2.5	Grab	SOIL	PAJD0024 confirmation sample: 4 ft south of 022C from South-east corner of WASH foundation
STIG-170823-022N (5-5)	022N	8/23/2017	9:00	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.0	5.0	Grab	SOIL	PAJD0024 confirmation sample: 2 ft north of 022C from South-east corner of WASH foundation
STIG-170823-022C (5-5)	022C	8/23/2017	9:05	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.0	5.0	Grab	SOIL	PAJD0024 confirmation sample: 23 ft west and 8 ft south of landmark from South-east corner of WASH foundation
STIG-170823-022 (2-5-5)	022	8/23/2017	9:10	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	2.5	5.0	Comp	SOIL	PAJD0024 confirmation sample: 3 ft west to 10 east and 4 ft south to 6 ft north of 022C from South-east corner of WASH foundation
STIG-170823-023S (2-5-5)	023S	8/23/2017	9:15	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	2.5	2.5	Grab	SOIL	PAJD0024 confirmation sample: 6 ft south of 023C from South-east corner of WASH foundation
STIG-170823-023C (5-5)	023C	8/23/2017	9:25	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.0	5.0	Grab	SOIL	PAJD0024 confirmation sample: 10 ft west and 8 ft south of landmark from South-east corner of WASH foundation
STIG-170823-023N (5-5)	023N	8/23/2017	9:20	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.0	5.0	Grab	SOIL	PAJD0024 confirmation sample: 2 ft north of 023C from South-east corner of WASH foundation
STIG-170823-023 (2-5-2.5)	023	8/23/2017	9:30	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	2.5	2.5	Comp	SOIL	PAJD0024 confirmation sample: 3 ft west to 11 east and 6 ft south to 6 ft north of 023C from South-east corner of WASH foundation
STIG-170823-024 (5-5-8)	024	8/23/2017	10:15	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.5	8.0	Comp	SOIL	PAJD0024 confirmation pit sample: Pit centered at 28 ft west and 9 ft south of landmark from South-east corner of WASH foundation
STIG-170823-025 (5-5-8)	025	8/23/2017	10:30	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.5	8.0	Comp	SOIL	PAJD0024 confirmation pit sample: Pit centered at 10 ft west and 10 ft south of landmark from South-east corner of WASH foundation
STIG-170823-026 (5-5-8)	026	8/23/2017	10:45	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.5	8.0	Comp	SOIL	PAJD0024 confirmation pit sample: 0 ft to 30 ft west and 0 ft to 3 ft south of landmark from South-east corner of WASH foundation
STIG-170824-027 (0-4)	027	8/24/2017	9:45	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	PAJD0001 characterization soil pile from within test pit: North limit of excavation from North end of PAJD0001
STIG-170824-028 (0-4)	028	8/24/2017	10:05	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	PAJD0001 characterization soil pile from within test pit: 90' south of test pit 1 from North end of PAJD0001, test pit 1
STIG-170824-029 (0-4)	029	8/24/2017	9:54	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	PAJD0001 characterization soil pile from within test pit: 90' south of test pit 2 from North end of PAJD0001, test pit 2
STIG-170824-030 (0-4)	030	8/24/2017	10:40	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	PAJD0001 characterization soil pile from within test pit: 90' south of test pit 3 from North end of PAJD0001, test pit 3
STIG-170824-031 (0-5)	031	8/24/2017	15:15	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile west side of excavation, from sample area of 034/035, 25 ft long from North limit of PAJD0001 soil piles
STIG-170824-032 (0-5)	032	8/24/2017	15:20	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 036, 25 ft long, from 036 sample location
STIG-170824-033 (0-5)	033	8/24/2017	15:25	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 037, 25 ft long, from 037 sample location
STIG-170825-034 (0-5)	034	8/25/2017	9:08	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	Ditch center confirmation sample: 15 ft north to 15 ft south of 034C from 034C
STIG-170825-034W (2-2)	034W	8/25/2017	9:55	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 034C from 034C
STIG-170825-034C (5-5)	034C	8/25/2017	9:05	Site Investigation	PAJ	Central Drainage	PAJD0001	5.0	5.0	Grab	SOIL	Ditch center confirmation sample: 30' north of 35 C from 035C
STIG-170825-035 (0-5)	035	8/25/2017	9:30	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 15 ft south of 035C from 035C
STIG-170825-035E (3-3)	035E	8/25/2017	9:25	Site Investigation	PAJ	Central Drainage	PAJD0001	3.0	3.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 035C from 035C
STIG-170825-035W (2-2)	035W	8/25/2017	9:20	Site Investigation	PAJ	Central Drainage	PAJD0001					

Sample ID	Quick Reference Name	Date	Time	Project	Work area (Example PAJ)	Working Name	Feature Location ID (Ex PAHR007)	Top Depth (feet bgs)	Bottom Depth (feet bgs)	Sample Type	Matrix	Description
SITG-170825-037E (2-2)	037E	8/25/2017	10:02	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 037C from 037C
SITG-170825-037W (3-3)	037W	8/25/2017	10:04	Site Investigation	PAJ	Central Drainage	PAJD0001	3.0	3.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 037C from 037C
SITG-170825-038Z (0-4.5)	038Z	8/25/2017	13:42	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.5	Comp	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 15 ft south of 038C from 038C
SITG-170825-038C (4.5-4.5)	038C	8/25/2017	13:40	Site Investigation	PAJ	Central Drainage	PAJD0001	4.5	4.5	Grab	SOIL	Ditch center confirmation sample: 60' south 035C from 035C
SITG-170825-038E (2-2)	038E	8/25/2017	13:44	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 038C from 038C
SITG-170825-038W (2-2)	038W	8/25/2017	13:46	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 038C from 038C
SITG-170825-039E (1-1)	039E	8/25/2017	13:30	Site Investigation	PAJ	Central Drainage	PAJD0001	1.0	1.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 039C from 039C
SITG-170825-039W (1-1)	039W	8/25/2017	13:32	Site Investigation	PAJ	Central Drainage	PAJD0001	1.0	1.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 039C from 039C
SITG-170825-039C (4-4)	039C	8/25/2017	13:34	Site Investigation	PAJ	Central Drainage	PAJD0001	4.0	4.0	Grab	SOIL	Ditch center confirmation sample: 90' south 035C from 035C
SITG-170825-039Z (0-4)	039Z	8/25/2017	13:36	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 15 ft south of 039C from 039C
SITG-170825-040C (5-5)	040C	8/25/2017	13:38	Site Investigation	PAJ	Central Drainage	PAJD0001	5.0	5.0	Grab	SOIL	Ditch center confirmation sample: 120' south of 035C from 035C
SITG-170825-040Z (0-5)	040Z	8/25/2017	13:40	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 5 ft south of 040C from 040C
SITG-170825-040E (3-3)	040E	8/25/2017	13:42	Site Investigation	PAJ	Central Drainage	PAJD0001	3.0	3.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 040E from 040E
SITG-170825-040W (3-3)	040W	8/25/2017	13:44	Site Investigation	PAJ	Central Drainage	PAJD0001	3.0	3.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 040W from 040C
SITG-170825-041Z (0-5)	041Z	8/25/2017	14:10	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 038, 25 ft long, from 038 sample location
SITG-170825-042Z (0-5)	042Z	8/25/2017	14:12	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 039, 25 ft long, from 039 sample location
SITG-170825-043Z (0-5)	043Z	8/25/2017	14:16	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 040, 25 ft long, from 040 sample location
SITG-170825-044Z (0-5)	044Z	8/25/2017	14:22	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	Ditch bottom area composite confirmation sample: 5 ft north to 15 ft south of 041C from 044C
SITG-170825-044C (1-1)	044C	8/25/2017	14:20	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Grab	SOIL	Ditch center confirmation sample: 180' south of 035C from 035C
SITG-170825-044E (3-3)	044E	8/25/2017	14:24	Site Investigation	PAJ	Central Drainage	PAJD0001	3.0	3.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 041C from 044C
SITG-170825-044W (3-3)	044W	8/25/2017	14:26	Site Investigation	PAJ	Central Drainage	PAJD0001	3.0	3.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 041C from 044C
SITG-170825-045C (4.5-4.5)	045C	8/25/2017	14:30	Site Investigation	PAJ	Central Drainage	PAJD0001	4.5	4.5	Grab	SOIL	Ditch center confirmation sample: 210' south of 035C from 035C
SITG-170825-045Z (0-4.5)	045Z	8/25/2017	14:32	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.5	Comp	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 15 ft south of 042C from 045C
SITG-170825-045E (2-2)	045E	8/25/2017	14:34	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 042C from 045C
SITG-170825-045W (2-2)	045W	8/25/2017	14:36	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 042C from 045C
SITG-170825-046E (1.5-1.5)	046E	8/25/2017	14:40	Site Investigation	PAJ	Central Drainage	PAJD0001	1.5	1.5	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 043C from 046C
SITG-170825-046W (1.5-1.5)	046W	8/25/2017	14:42	Site Investigation	PAJ	Central Drainage	PAJD0001	1.5	1.5	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 043C from 046C
SITG-170825-046C (4-4)	046C	8/25/2017	14:44	Site Investigation	PAJ	Central Drainage	PAJD0001	4.0	4.0	Grab	SOIL	Ditch center confirmation sample: 240 ft south of 035C from 035C
SITG-170825-046Z (0-4)	046Z	8/25/2017	14:46	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 15 ft south of 044C from 046C
SITG-170825-047C (4-4)	047C	8/25/2017	14:48	Site Investigation	PAJ	Central Drainage	PAJD0001	4.0	4.0	Grab	SOIL	Ditch center confirmation sample: 260 ft south of 035C from 035C
SITG-170825-047Z (0-4)	047Z	8/25/2017	14:50	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 15 ft south of 044C from 047C
SITG-170825-047E (2-2)	047E	8/25/2017	14:52	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 044C from 047C
SITG-170825-047W (2-2)	047W	8/25/2017	14:54	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.0	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 044C from 047C
SITG-170825-048Z (0-5)	048Z	8/25/2017	14:58	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 036, 25 ft long, from 044 sample location
SITG-170825-049Z (0-5)	049Z	8/25/2017	14:59	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	5.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 036, 25 ft long, from 045 sample location
SITG-170825-050Z (0-4)	050Z	8/25/2017	15:00	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 036, 25 ft long, from 046 sample location
SITG-170825-051Z (0-4)	051Z	8/25/2017	15:01	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: Soil pile on west side of excavation, from sample area of 036, 25 ft long, from 047 sample location
SITG-170825-053Z (0-4)	053Z	8/29/2017	14:36	Site Investigation	PAJ	Central Drainage	PAJD0001	0	4	Comp	SOIL	Ditch center confirmation sample: 150' south of 035C from 035C
SITG-170825-053C (4.4-5)	053C	8/29/2017	14:30	Site Investigation	PAJ	Central Drainage	PAJD0001	4.5	4.5	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft east of 053C from 053C
SITG-170825-053E (2-2.5)	053E	8/29/2017	14:34	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.5	Grab	SOIL	Ditch side-wall confirmation sample: 1.5 ft west of 053C from 053C
SITG-170825-053W (2.7-2.5)	053W	8/29/2017	14:32	Site Investigation	PAJ	Central Drainage	PAJD0001	2.0	2.5	Grab	SOIL	Ditch bottom area composite confirmation sample: 15 ft north to 15 ft south of 053C from 053C
SITG-170825-054Z (0-4)	054Z	8/29/2017	14:40	Site Investigation	PAJ	Central Drainage	PAJD0001	0.0	4.0	Comp	SOIL	PAJD0001 backfill characterization soil pile sample: 15 ft north to 15 ft south of 053C from 053C
SITG-170920-055C (6.4-5)	055C	9/20/2017	11:26	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Grab	SOIL	PAJB0006 bottom grab sample: 23 ft south and 10 ft west from Wash House NE corner
SITG-170920-055Z (6.4-5)	055Z	9/20/2017	11:37	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Comp	SOIL	PAJB0006 bottom composite sample: 15 ft to 30 ft south and 0 ft to 15 ft west from Wash House NE corner
SITG-170920-056C (6.4-5)	056C	9/20/2017	11:26	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Grab	SOIL	PAJB0006 bottom grab sample: 23 ft south and 25 ft west from Wash House NE corner
SITG-170920-056Z (6.4-5)	056Z	9/20/2017	11:26	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Comp	SOIL	PAJB0006 bottom composite sample: 15 ft to 30 ft south and 15 ft to 30 ft west from Wash House NE corner
SITG-170920-057C (6.4-5)	057C	9/20/2017	11:38	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Grab	SOIL	PAJB0006 bottom grab sample: 7 ft south and 8 ft west from Wash House NE corner
SITG-170920-057Z (6.4-5)	057Z	9/20/2017	11:38	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Comp	SOIL	PAJB0006 bottom composite sample: 0 ft to 15 ft south and 0 ft to 15 ft west from Wash House NE corner
SITG-170920-058C (6.4-5)	058C	9/20/2017	11:41	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Grab	SOIL	PAJB0006 bottom grab sample: 8 ft south and 24 ft west from Wash House NE corner
SITG-170920-058Z (6.4-5)	058Z	9/20/2017	11:41	Site Investigation	PAJ	WASH House	PAJB0006	6.0	6.5	Comp	SOIL	PAJB0006 bottom composite sample: 0 ft to 15 ft south and 15 ft to 30 ft west from Wash House NE corner
SITG-170920-059C (7.5-8)	059C	9/20/2017	11:55	Site Investigation	PAJ	WASH House	PAJB0006	7.5	8.0	Grab	SOIL	PAJB0006 bottom grab sample: 36 ft south and 14 ft west from Wash House NE corner
SITG-170920-059Z (7.5-8)	059Z	9/20/2017	11:57	Site Investigation	PAJ	WASH House	PAJB0006	7.5	8.0	Comp	SOIL	PAJD0024 bottom composite sample: 30 ft to 40 ft south and 3 ft to 25 ft west from Wash House NE corner
SITG-170920-060C (7.5-8)	060C	9/20/2017	11:39	Site Investigation	PAJ	WASH House	PAJB0006	7.5	8.0	Grab	SOIL	PAJD0024 bottom grab sample: 32 ft south and 12 ft east from Wash House NE corner
SITG-170920-060Z (7.5-8)	060Z	9/20/2017	11:41	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	7.5	8.0	Comp	SOIL	PAJD0024 bottom composite sample: 22 ft to 38 ft south and 2 ft west to 20 ft east from Wash House NE corner
SITG-170920-061C (5.5-5)	061C	9/20/2017	11:44	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	5.0	5.5	Grab	SOIL	PAJD0024 bottom grab sample: 45 ft south and 23 ft east from Wash House NE corner
SITG-170920-061Z (4.6)	061Z	9/20/2017	11:46	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	4.0	6.0	Comp	SOIL	PAJD0024 bottom composite sample: 38 ft to 50 ft south and 13 ft to 30 ft east from Wash House NE corner
SITG-170920-062Z (8.8-5)	062Z	9/20/2017	11:37	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	8.0	8.5	Comp	SOIL	PAJD0024 bottom composite sample: 12 ft to 26 ft south and 0 ft to 15 ft east from Wash House NE corner
SITG-170920-063C (6-7)	063C	9/20/2017	15:15	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	6.0	7.0	Grab	SOIL	PAJD0024 bottom grab sample: 25 ft south and 35 ft east from Wash House NE corner
SITG-170920-063Z (6-7)	063Z	9/20/2017	15:17	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	6.0	7.0	Comp	SOIL	PAJD0024 bottom composite sample: 20 ft south 36 ft south 25 ft to 45 ft east from Wash House NE corner
SITG-170920-064C (7.5-5)	064C	9/20/2017	11:31	Site Investigation	PAJ	WASH House Building Drainage	PAJD0026	7.0	7.5	Grab	SOIL	PAJD0024 bottom grab sample: 10 ft south and 5 ft east from Wash House NE corner
SITG-170920-064Z (7.5-5)	064Z	9/20/2017	11:33	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	7.0	7.5	Comp	SOIL	PAJD0024 bottom composite sample: 0 ft to 12 ft south and 0 ft to 15 ft east from Wash House NE corner
SITG-170920-065Z (2-6)	065Z	9/20/2017	11:40	Site Investigation	PAJ	WASH House Catch Basin	PAJD0024	2.0	6.0	Comp	SOIL	PAJD0024 sidewall composite sample: 0 ft north and 0 ft to 20 ft east from Wash House NE corner
SITG-170920-066Z (2-6)	066Z	9/20/2017	11:44	Site Investigation	PAJ	WASH House	PAJB0006	2.0	6.0	Comp	SOIL	PAJB0006 sidewall composite sample: 0 ft north and 0 ft to 15 ft west from Wash House NE corner
SITG-170920-067Z (2-7)	067Z	9/20/2017	11:46	Site Investigation	PAJ	WASH House	PAJB0006	2.0	7.0	Comp	SOIL	PAJB0006 sidewall composite sample: 0 ft north and 15 ft to 32 ft west from Wash House NE corner
SITG-170920-068Z (2-7)	068Z	9/20/2017	11:48	Site Investigation	PAJ	WASH House	PAJB0006	2.0	7.0	Comp	SOIL	PAJB0006 sidewall composite sample: 0 ft to 15 ft south and 32 ft west from Wash House NE corner
SITG-170920-069Z (2.9-8)	069Z	9/20/2017	11:52	Site Investigation	PAJ	WASH House	PAJB0006	2.0	8.0	Comp	SOIL	PAJB0006 sidewall composite sample: 15 ft to 30 ft south and 32 ft west from Wash House NE corner
SITG-170920-070N (4.4-5)	070N	9/20/2017	15:00	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	4.0	4.5	Grab	SOIL	PAJD0021 sidewall composite sample: 20 ft south and 50 ft east from Wash House NE corner
SITG-170920-070C (4.4-5)	070C	9/20/2017	15:02	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	4.0	4.5	Grab	SOIL	PAJD0021 bottom grab sample: 25 ft south and 50 ft east from Wash House NE corner
SITG-170920-070S (4.4-5)	070S	9/20/2017	15:04	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	4.0	4.5	Grab	SOIL	PAJD0021 sidewall composite sample: 30 ft south and 50 ft east from Wash House NE corner
SITG-170920-070Z (6.7-5)	070Z	9/20/2017	15:12	Site Investigation	PAJ	WASH House eastern drainage ditch	PAJD0021	6.0	7.5	Comp	SOIL	PAJD0021 bottom composite sample: 20 ft to 30 ft south and 45 ft to 60 ft east from Wash House NE corner
SITG-170920-070E (7.7-5)	070E</											

Sample ID	Quick Reference Name	Date	Time	Project	Work area (Example PAH)	Working Name	Feature Location ID (Ex PAHR007)	Top Depth (feet bgs)	Bottom Depth (feet bgs)	Sample Type	Matrix	Description
SITG-171010-084Z (1.5-2)	084Z	10/10/2017	17:32	Site Investigation	PAJ	PAJ Delta	Delta	1.5	2.0	Comp	SOIL	Soil piles on the northeastern side of the Delta area: 40 ft to 50 ft east & 20 ft to 60 ft south from Tree on north end of center of the delta area
SITG-171010-085Z (1.5-2)	085Z	10/10/2017	17:27	Site Investigation	PAJ	PAJ Delta	Delta	1.5	2.0	Comp	SOIL	Soil piles on the southwestern side of the Delta area: 10 ft to 30 ft west & 120 ft to 180 ft south from Tree on north end of center of the delta area
SITG-171010-086Z (1.5-2)	086Z	10/10/2017	17:30	Site Investigation	PAJ	PAJ Delta	Delta	1.5	2.0	Comp	SOIL	Soil piles on the western side of the Delta area: 20 ft to 35 ft west & 70 ft to 120 ft south from Tree on north end of center of the delta area
SITG-171010-087Z (1.5-2)	087Z	10/10/2017	17:33	Site Investigation	PAJ	PAJ Delta	Delta	1.5	2.0	Comp	SOIL	Soil piles on the northwestern side of the Delta area: 30 ft to 60 ft west & 20 ft to 70 ft south from Tree on north end of center of the delta area
SITG-171010-088Z (2-2.5)	088Z	10/10/2017	17:40	Site Investigation	PAJ	PAJ Delta	Delta	2.0	2.5	Comp	SOIL	Exposed central Delta ditch line, north central region of Delta area: 3 ft east to 3 ft west & 20 ft to 50 ft south from Tree on north end of center of the delta area
SITG-171010-089Z (2-2.5)	089Z	10/10/2017	17:43	Site Investigation	PAJ	PAJ Delta	Delta	2.0	2.5	Comp	SOIL	Exposed central Delta ditch line, central region of Delta area: 3 ft east to 3 ft west & 50 ft to 80 ft south from Tree on north end of center of the delta area
SITG-171010-090Z (2-2.5)	090Z	10/10/2017	17:46	Site Investigation	PAJ	PAJ Delta	Delta	2.0	2.5	Comp	SOIL	Exposed central Delta ditch line, central region of Delta area: 3 ft east to 3 ft west & 80 ft to 110 ft south from Tree on north end of center of the delta area
SITG-171011-091Z (0-0.5)	091Z	10/11/2017	9:10	Site Investigation	PAJ	WASH House	PAJB0006	0.0	0.5	Comp	SOIL	Re-surfaced topsoil on east side of Wash House area: 15 ft north to 45 ft south & 5 ft to 30 ft east from Wash House area control # 2
SITG-171011-092Z (0-0.5)	092Z	10/11/2017	9:11	Site Investigation	PAJ	WASH House	PAJB0006	0.0	0.5	Comp	SOIL	Re-surfaced topsoil on north side of Wash House area: 15 ft north to 20 ft south & 30 ft to 90 ft east from Wash House area control # 2
SITG-171011-093Z (0-0.5)	093Z	10/11/2017	9:15	Site Investigation	PAJ	WASH House	PAJB0006	0.0	0.5	Comp	SOIL	Re-surfaced topsoil on south side of Wash House area: 20 ft to 50 ft south & 30 ft to 90 ft east from Wash House area control # 2

Notes:
 Comp = Composite sample (sample taken from multiple locations in a given area; i.e. a sub cell)
 QA/QC = Quality assurance & quality control
 bgs = Below Ground Surface
 ft = feet (measurement of distance)
 C = Cell (Bio Plot)
 N/A = No information available

At the end of samples, there is a letter (N, S, E, W, C, Z, etc):
 Z = composite sample, multiple locations within a defined area mixed together to represent the area
 N = northern sidewall sample collected at the limits of excavation
 S = southern sidewall sample collected at the limits of excavation
 E = eastern sidewall sample collected at the limits of excavation
 W = western sidewall sample collected at the limits of excavation
 C = center bottom sample collected at the limits of excavation

Table 1 (b)
2017 Biopilot Cell Samples
 Summary of 2017 Site Investigation Activities
 Former DuPont Barksdale Works
 Ashland, Wisconsin
 BRRTS: 02-04-000156 / 02-04-550402

Sample ID	Quick Reference Name	Date	Time	Project	Work area (Example PAH)	Working Name	Feature Location ID (Ex PAHR007)	Top Depth (Surficial)	Bottom Depth (Surficial)	Sample Type	Matrix	Description
BPSB-170425-C16AH	C16	4/24/2017	14:45	Bio Pilot	PAJ	C16 AH	Cell 16	0.0	1.0	Comp	SOIL	C-16 Cell composite from Full cell.
BPSB-170425-C25AH	C25	4/24/2017	15:00	Bio Pilot	PAH	C25 AH	Cell 25	0.0	1.0	Comp	SOIL	C-25 Cell composite from Full cell.
BPSB-170425-C24AH	C24	4/24/2017	15:15	Bio Pilot	PAH	C24 AH	Cell 24	0.0	1.0	Comp	SOIL	C-24 Cell composite from Full cell.
BPSB-170425-C26AH	C26	4/24/2017	15:30	Bio Pilot	PAH	C26 AH	Cell 26	0.0	1.0	Comp	SOIL	C-26 Cell composite from Full cell.
BPSB-170425-C12AH	C12	4/24/2017	15:45	Bio Pilot	PAC	C12 AH	Cell 12	0.0	1.0	Comp	SOIL	C-12 Cell composite from Full cell.
BPSB-170601-C21-A1	C21-A1	6/1/2017	15:25	Bio Pilot	PAH	C21-A1	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A1.
BPSB-170601-C21-A2	C21-A2	6/1/2017	15:30	Bio Pilot	PAH	C21-A2	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A2.
BPSB-170601-C21-A3	C21-A3	6/1/2017	15:35	Bio Pilot	PAH	C21-A3	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A3.
BPSB-170601-C21-A4	C21-A4	6/1/2017	15:40	Bio Pilot	PAH	C21-A4	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A4.
BPSB-170601-C21-B1	C21-B1	6/1/2017	15:45	Bio Pilot	PAH	C21-B1	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B1.
BPSB-170601-C21-B2	C21-B2	6/1/2017	15:50	Bio Pilot	PAH	C21-B2	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B4.
BPSB-170601-C21-B3	C21-B3	6/1/2017	15:55	Bio Pilot	PAH	C21-B3	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B3.
BPSB-170601-C21-B4	C21-B4	6/1/2017	16:00	Bio Pilot	PAH	C21-B4	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B4.
BPSF-170620-C09	C09	6/19/2017	16:15	Bio Pilot	PAC	C09 Leafs	PAC	NA	NA	Comp	Solid Organic	Foliage composite leave samples from trees within cell
BPSB-170620-C12AH	C12	6/20/2017	10:45	Bio Pilot	PAC	C12 AH	Cell 12	0.0	1.0	Comp	SOIL	C-12 Cell composite from Full Cell. Extra volume sent to multiple labs
BPSB-170712-C28-berm	C28 berm	7/12/2017	16:35	Bio Pilot	PAH	C28 berm	Cell 28	0.0	0.5	Comp	SOIL	C-28 Composite from Around cell. Characterization of cell prior to adding material
BPSB-170712-C28-bed	C28 bed	7/12/2017	16:40	Bio Pilot	PAH	C28 bed	Cell 28	0.0	0.5	Comp	SOIL	C-28 Composite from Cell bottom.
BPSB-170712-C28-basin	C28 basin	7/12/2017	16:45	Bio Pilot	PAH	C28 basin	Cell 28	0.0	0.5	Comp	SOIL	C-28 Composite from Cell basin and bottom.
BPSB-170711-C06	C06	7/11/2017	14:40	Bio Pilot	PAB	C06	Cell 6	0.0	1.0	Comp	SOIL	C-06 Composite from Full cell.
BPSB-170925-C16AH-A1	C16-A1	9/25/2017	15:35	Bio Pilot	PAJ	C16 AH-A1	Cell 16	0.0	0.5	Comp	SOIL	C-16 Sub cell composite from Sub cell A1.
BPSB-170925-C16AH-A2	C16-A2	9/25/2017	15:37	Bio Pilot	PAJ	C16 AH-A2	Cell 16	0.0	0.5	Comp	SOIL	C-16 Sub cell composite from Sub cell A2.
BPSB-170925-C16AH-A3	C16-A3	9/25/2017	15:39	Bio Pilot	PAJ	C16 AH-A3	Cell 16	0.0	0.5	Comp	SOIL	C-16 Sub cell composite from Sub cell A3.
BPSB-170925-C16AH-B4	C16-B4	9/25/2017	15:40	Bio Pilot	PAJ	C16 AH-B4	Cell 16	0.0	0.5	Comp	SOIL	C-16 Sub cell composite from Sub cell B4.
BPSB-170925-C16AH-B3	C16-B3	9/25/2017	15:38	Bio Pilot	PAJ	C16 AH-B3	Cell 16	0.0	0.5	Comp	SOIL	C-16 Sub cell composite from Sub cell B3.
BPSB-170927-C31-A	C31-A	9/27/2017	15:01	Bio Pilot	PAH	C31-A	Cell 31	0.0	1.0	Comp	SOIL	C-31 Sub cell composite from East Half. Initial cell sample
BPSB-170927-C31-B	C31-B	9/27/2017	15:00	Bio Pilot	PAH	C31-B	Cell 31	0.0	1.0	Comp	SOIL	C-31 Sub cell composite from West Half. Initial cell sample
BPSB-171004-C01-A2	C01-A2	10/4/2017	16:07	Bio Pilot	PAC	C01-A2	Cell 1	0.0	1.0	Comp	SOIL	C-01 Sub cell composite from Sub cell A2.
BPSB-171004-C01-A4	C01-A4	10/4/2017	16:07	Bio Pilot	PAC	C01-A4	Cell 1	0.0	1.0	Comp	SOIL	C-01 Sub cell composite from Sub cell A4.
BPSB-171004-C01-B3	C01-B3	10/4/2017	16:05	Bio Pilot	PAC	C01-B3	Cell 1	0.0	1.0	Comp	SOIL	C-01 Sub cell composite from Sub cell B3.
BPSB-171004-C01-B6	C01-B6	10/4/2017	16:11	Bio Pilot	PAC	C01-B6	Cell 1	0.0	1.0	Comp	SOIL	C-01 Sub cell composite from Sub cell B6.
BPSB-171004-C01-COMP	C01	10/4/2017	16:13	Bio Pilot	PAC	C01	Cell 1	0.0	1.0	Comp	SOIL	C-01 Composite from Full cell.
BPSB-171004-C02-A3	C02-A3	10/4/2017	16:15	Bio Pilot	PAC	C02-A3	Cell 2	0.0	1.0	Comp	SOIL	C-02 Sub cell composite from Sub cell A3.
BPSB-171004-C02-A4	C02-A4	10/4/2017	16:17	Bio Pilot	PAC	C02-A4	Cell 2	0.0	1.0	Comp	SOIL	C-02 Sub cell composite from Sub cell A4.
BPSB-171004-C02-A5	C02-A5	10/4/2017	16:19	Bio Pilot	PAC	C02-A5	Cell 2	0.0	1.0	Comp	SOIL	C-02 Sub cell composite from Sub cell A5.
BPSB-171004-C02-B2	C02-B2	10/4/2017	16:21	Bio Pilot	PAC	C02-B2	Cell 2	0.0	1.0	Comp	SOIL	C-02 Sub cell composite from Sub cell B2.
BPSB-171004-C02-COMP	C02	10/4/2017	16:23	Bio Pilot	PAC	C02	Cell 2	0.0	1.0	Comp	SOIL	C-02 Composite from Full cell.
BPSB-171004-C03-A4	C03-A4	10/4/2017	16:16	Bio Pilot	PAC	C03-A4	Cell 3	0.0	1.0	Comp	SOIL	C-03 Sub cell composite from Sub cell A4.
BPSB-171004-C03-A5	C03-A5	10/4/2017	16:18	Bio Pilot	PAC	C03-A5	Cell 3	0.0	1.0	Comp	SOIL	C-03 Sub cell composite from Sub cell A5.
BPSB-171004-C03-A6	C03-A6	10/4/2017	16:20	Bio Pilot	PAC	C03-A6	Cell 3	0.0	1.0	Comp	SOIL	C-03 Sub cell composite from Sub cell A6.
BPSB-171004-C03-B2	C03-B2	10/4/2017	16:24	Bio Pilot	PAC	C03-B2	Cell 3	0.0	1.0	Comp	SOIL	C-03 Sub cell composite from Sub cell B2.
BPSB-171004-C03-COMP	C03	10/4/2017	16:22	Bio Pilot	PAC	C03	Cell 3	0.0	1.0	Comp	SOIL	C-03 Composite from Full cell.
BPSB-171004-C04-A2	C04-A2	10/4/2017	16:12	Bio Pilot	PAC	C04-A2	Cell 4	0.0	1.0	Comp	SOIL	C-04 Sub cell composite from Sub cell A2.
BPSB-171004-C04-A4	C04-A4	10/4/2017	16:14	Bio Pilot	PAC	C04-A4	Cell 4	0.0	1.0	Comp	SOIL	C-04 Sub cell composite from Sub cell A4.
BPSB-171004-C04-B1	C04-B1	10/4/2017	16:06	Bio Pilot	PAC	C04-B1	Cell 4	0.0	1.0	Comp	SOIL	C-04 Sub cell composite from Sub cell B1.

Sample ID	Quick Reference Name	Date	Time	Project	Work area (Example PAH)	Working Name	Feature Location ID (Ex PAHR007)	Top Depth (Surficial)	Bottom Depth (Surficial)	Sample Type	Matrix	Description
BPSB-171004-C04-B3	C04-B3	10/4/2017	16:08	Bio Pilot	PAC	C04-B3	Cell 4	0.0	1.0	Comp	SOIL	C-04 Sub cell composite from Sub cell B3.
BPSB-171004-C04-COMP	C04	10/4/2017	16:10	Bio Pilot	PAC	C04	Cell 4	0.0	1.0	Comp	SOIL	C-04 Composite from Full cell.
BPSB-171002-C05-A3	C05-A3	10/2/2017	15:56	Bio Pilot	PAC	C05-A3	Cell 5	0.0	1.0	Comp	SOIL	C-05 Sub cell composite from Sub cell A3.
BPSB-171002-C05-A6	C05-A6	10/2/2017	15:54	Bio Pilot	PAC	C05-A6	Cell 5	0.0	1.0	Comp	SOIL	C-05 Sub cell composite from Sub cell A6.
BPSB-171002-C05-B2	C05-B2	10/2/2017	16:02	Bio Pilot	PAC	C05-B2	Cell 5	0.0	1.0	Comp	SOIL	C-05 Sub cell composite from Sub cell B2.
BPSB-171002-C05-B4	C05-B4	10/2/2017	15:58	Bio Pilot	PAC	C05-B4	Cell 5	0.0	1.0	Comp	SOIL	C-05 Sub cell composite from Sub cell B4.
BPSB-171002-C05-COMP	C05	10/2/2017	16:01	Bio Pilot	PAC	C05	Cell 5	0.0	1.0	Comp	SOIL	C-05 Composite from Full cell.
BPSB-171002-C06AH-COMP	C06	10/2/2017	15:35	Bio Pilot	PAB	C06	Cell 6	0.0	1.0	Comp	SOIL	C-06 Composite from Full cell.
BPSB-171002-C06AH-A2	C06-A2	10/2/2017	15:25	Bio Pilot	PAB	C06-A2	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell A2.
BPSB-171002-C06AH-A3	C06-A3	10/2/2017	15:27	Bio Pilot	PAB	C06-A3	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell A3.
BPSB-171002-C06AH-A5	C06-A5	10/2/2017	15:29	Bio Pilot	PAB	C06-A5	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell A5.
BPSB-171002-C06AH-A6	C06-A6	10/2/2017	15:31	Bio Pilot	PAB	C06-A6	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell A6.
BPSB-171002-C06AH-B1	C06-B1	10/2/2017	15:26	Bio Pilot	PAB	C06-B1	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell B1.
BPSB-171002-C06AH-B3	C06-B3	10/2/2017	15:28	Bio Pilot	PAB	C06-B3	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell B3.
BPSB-171002-C06AH-B4	C06-B4	10/2/2017	15:30	Bio Pilot	PAB	C06-B4	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell B4.
BPSB-171002-C06AH-B6	C06-B6	10/2/2017	15:32	Bio Pilot	PAB	C06-B6	Cell 6	0.0	1.0	Comp	SOIL	C-06 Sub cell composite from Sub cell B6.
BPSB-171002-C07-COMP	C07	10/2/2017	15:15	Bio Pilot	PAB	C07	Cell 7	0.0	1.0	Comp	SOIL	C-07 Composite from Full cell.
BPSB-171004-C12-A1	C12-A1	10/4/2017	16:49	Bio Pilot	PAC	C12 AH-A1	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell A1.
BPSB-171004-C12-A2	C12-A2	10/4/2017	16:47	Bio Pilot	PAC	C12 AH-A2	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell A2.
BPSB-171004-C12-A3	C12-A3	10/4/2017	16:42	Bio Pilot	PAC	C12 AH-A3	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell A3.
BPSB-171004-C12-A4	C12-A4	10/4/2017	16:43	Bio Pilot	PAC	C12 AH-A4	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell A4.
BPSB-171004-C12-B1	C12-B1	10/4/2017	16:50	Bio Pilot	PAC	C12 AH-B1	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell B1.
BPSB-171004-C12-B2	C12-B2	10/4/2017	16:48	Bio Pilot	PAC	C12 AH-B2	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell B2.
BPSB-171004-C12-B3	C12-B3	10/4/2017	16:46	Bio Pilot	PAC	C12 AH-B3	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell B3.
BPSB-171004-C12-B4	C12-B4	10/4/2017	16:44	Bio Pilot	PAC	C12 AH-B4	Cell 12	0.0	1.0	Comp	SOIL	C-12 Sub cell composite from Sub cell B4.
BPSB-171004-C12-COMP	C12	10/4/2017	16:53	Bio Pilot	PAC	C12 AH	Cell 12	0.0	1.0	Comp	SOIL	C-12 Composite from Full cell.
BPSB-171002-C16-COMP	C16	10/2/2017	10:20	Bio Pilot	PAJ	C16 AH	Cell 16	0.0	1.0	Comp	SOIL	C-16 Composite from Full cell.
BPSB-171002-C16-B1	C16-B1	10/2/2017	10:16	Bio Pilot	PAJ	C16 AH-B1	Cell 16	0.0	1.0	Comp	SOIL	C-16 Sub cell composite from Sub cell B1.
BPSB-171002-C16-B2	C16-B2	10/2/2017	10:18	Bio Pilot	PAJ	C16 AH-B2	Cell 16	0.0	1.0	Comp	SOIL	C-16 Sub cell composite from Sub cell B2.
BPSB-171002-C16-A4	C16-A4	10/2/2017	10:17	Bio Pilot	PAJ	C16 AH-A4	Cell 16	0.0	1.0	Comp	SOIL	C-16 Sub cell composite from Sub cell A4.
BPSB-171004-C17-A1	C17-A1	10/4/2017	17:10	Bio Pilot	SAE	C17-A1	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell A1.
BPSB-171004-C17-A2	C17-A2	10/4/2017	17:12	Bio Pilot	SAE	C17-A2	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell A2.
BPSB-171004-C17-A3	C17-A3	10/4/2017	17:14	Bio Pilot	SAE	C17-A3	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell A3.
BPSB-171004-C17-A4	C17-A4	10/4/2017	17:16	Bio Pilot	SAE	C17-A4	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell A4.
BPSB-171004-C17-B1	C17-B1	10/4/2017	17:11	Bio Pilot	SAE	C17-B1	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell B1.
BPSB-171004-C17-B2	C17-B2	10/4/2017	17:13	Bio Pilot	SAE	C17-B2	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell B2.
BPSB-171004-C17-B3	C17-B3	10/4/2017	17:15	Bio Pilot	SAE	C17-B3	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell B3.
BPSB-171004-C17-B4	C17-B4	10/4/2017	17:17	Bio Pilot	SAE	C17-B4	Cell 17	0.0	1.0	Comp	SOIL	C-17 Sub cell composite from Sub cell B4.
BPSB-171004-C17-COMP	C17	10/4/2017	17:18	Bio Pilot	SAE	C17	Cell 17	0.0	1.0	Comp	SOIL	C-17 Composite from Full cell.
BPSB-171002-C18-COMP	C18	10/2/2017	13:45	Bio Pilot	PAM	C18	Cell 18	0.0	1.0	Comp	SOIL	C-18 Composite from Full cell.
BPSB-171002-C19-COMP	C19	10/2/2017	11:25	Bio Pilot	PAH	C19	Cell 19	0.0	1.0	Comp	SOIL	C-19 Composite from Full cell.
BPSB-171002-C20-COMP	C20	10/2/2017	11:18	Bio Pilot	PAH	C20	Cell 20	0.0	1.0	Comp	SOIL	C-20 Composite from Full cell.
BPSB-171002-C20-A1	C20	10/2/2017	11:14	Bio Pilot	PAH	C20	Cell 20	0.0	1.0	Comp	SOIL	C-20 Sub cell composite from Sub cell A1.
BPSB-171002-C20-B4	C20	10/2/2017	11:17	Bio Pilot	PAH	C20	Cell 20	0.0	1.0	Comp	SOIL	C-20 Sub cell composite from Sub cell B4.
BPSB-171002-C20-A3	C20	10/2/2017	11:16	Bio Pilot	PAH	C20	Cell 20	0.0	1.0	Comp	SOIL	C-20 Sub cell composite from Sub cell A3.
BPSB-171002-C20-B2	C20	10/2/2017	11:15	Bio Pilot	PAH	C20	Cell 20	0.0	1.0	Comp	SOIL	C-20 Sub cell composite from Sub cell B2.
BPSB-171002-C21-A1	C21	10/2/2017	10:52	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A1.
BPSB-171002-C21-A2	C21	10/2/2017	10:54	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A2.
BPSB-171002-C21-A3	C21	10/2/2017	10:56	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A3.
BPSB-171002-C21-A4	C21	10/2/2017	10:58	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A4.
BPSB-171002-C21-B1	C21	10/2/2017	10:51	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B1.

Sample ID	Quick Reference Name	Date	Time	Project	Work area (Example PAH)	Working Name	Feature Location ID (Ex PAHR007)	Top Depth (Surficial)	Bottom Depth (Surficial)	Sample Type	Matrix	Description
BPSB-171002-C21-B2	C21	10/2/2017	10:53	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B2.
BPSB-171002-C21-B3	C21	10/2/2017	10:55	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B3.
BPSB-171002-C21-B4	C21	10/2/2017	10:57	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B4.
BPSB-171002-C21-A	C21	10/2/2017	11:00	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell A.
BPSB-171002-C21-B	C21	10/2/2017	10:59	Bio Pilot	PAH	C21	Cell 21	0.0	1.0	Comp	SOIL	C-21 Sub cell composite from Sub cell B.
BPSB-171003-C24AH-A1	C24-A1	10/3/2017	15:00	Bio Pilot	PAH	C24 AH-A1	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell A1.
BPSB-171003-C24AH-A2	C24-A2	10/3/2017	15:05	Bio Pilot	PAH	C24 AH-A2	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell A2.
BPSB-171003-C24AH-A3	C24-A3	10/3/2017	15:10	Bio Pilot	PAH	C24 AH-A3	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell A3.
BPSB-171003-C24AH-A4	C24-A4	10/3/2017	15:15	Bio Pilot	PAH	C24 AH-A4	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell A4.
BPSB-171003-C24AH-B1	C24-B1	10/3/2017	15:35	Bio Pilot	PAH	C24 AH-B1	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell B1.
BPSB-171003-C24AH-B2	C24-B2	10/3/2017	15:30	Bio Pilot	PAH	C24 AH-B2	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell B2.
BPSB-171003-C24AH-B3	C24-B3	10/3/2017	15:25	Bio Pilot	PAH	C24 AH-B3	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell B3.
BPSB-171003-C24AH-B4	C24-B4	10/3/2017	15:20	Bio Pilot	PAH	C24 AH-B4	Cell 24	0.0	1.0	Comp	SOIL	C-24 Sub cell composite from Sub cell B4.
BPSB-171003-C24AH-COMP	C24	10/3/2017	15:45	Bio Pilot	PAH	C24 AH	Cell 24	0.0	1.0	Comp	SOIL	C-24 Composite from Full cell.
BPSB-171002-C25AH-A1	C25-A1	10/2/2017	11:36	Bio Pilot	PAH	C25 AH-A1	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell A1.
BPSB-171002-C25AH-A2	C25-A2	10/2/2017	11:38	Bio Pilot	PAH	C25 AH-A2	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell A2.
BPSB-171002-C25AH-A3	C25-A3	10/2/2017	11:40	Bio Pilot	PAH	C25 AH-A3	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell A3.
BPSB-171002-C25AH-A4	C25-A4	10/2/2017	11:42	Bio Pilot	PAH	C25 AH-A4	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell A4.
BPSB-171002-C25AH-B1	C25-B1	10/2/2017	11:35	Bio Pilot	PAH	C25 AH-B1	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell B1.
BPSB-171002-C25AH-B2	C25-B2	10/2/2017	11:37	Bio Pilot	PAH	C25 AH-B2	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell B2.
BPSB-171002-C25AH-B3	C25-B3	10/2/2017	11:39	Bio Pilot	PAH	C25 AH-B3	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell B3.
BPSB-171002-C25AH-B4	C25-B4	10/2/2017	11:41	Bio Pilot	PAH	C25 AH-B4	Cell 25	0.0	1.0	Comp	SOIL	C-25 Sub cell composite from Sub cell B4.
BPSB-171002-C25AH-COMP	C25	10/2/2017	11:46	Bio Pilot	PAH	C25 AH	Cell 25	0.0	1.0	Comp	SOIL	C-25 Composite from Full cell.
BPSB-171002-C26AH-A1	C26-A1	10/2/2017	9:48	Bio Pilot	PAH	C26 AH-A1	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell A1.
BPSB-171002-C26AH-A2	C26-A2	10/2/2017	9:50	Bio Pilot	PAH	C26 AH-A2	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell A2.
BPSB-171002-C26AH-A3	C26-A3	10/2/2017	9:52	Bio Pilot	PAH	C26 AH-A3	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell A3.
BPSB-171002-C26AH-A4	C26-A4	10/2/2017	9:54	Bio Pilot	PAH	C26 AH-A4	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell A4.
BPSB-171002-C26AH-B1	C26-B1	10/2/2017	9:49	Bio Pilot	PAH	C26 AH-B1	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell B1.
BPSB-171002-C26AH-B2	C26-B2	10/2/2017	9:51	Bio Pilot	PAH	C26 AH-B2	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell B2.
BPSB-171002-C26AH-B3	C26-B3	10/2/2017	9:53	Bio Pilot	PAH	C26 AH-B3	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell B3.
BPSB-171002-C26AH-B4	C26-B4	10/2/2017	9:55	Bio Pilot	PAH	C26 AH-B4	Cell 26	0.0	1.0	Comp	SOIL	C-26 Sub cell composite from Sub cell B4.
BPSB-171002-C26AH-COMP	C26	10/2/2017	9:56	Bio Pilot	PAH	C26 AH	Cell 26	0.0	1.0	Comp	SOIL	C-26 Composite from Full cell.
BPSB-171004-C27AH-A1	C27-A1	10/4/2017	14:30	Bio Pilot	PAH	C27 AH-A1	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell A1.
BPSB-171004-C27AH-A2	C27-A2	10/4/2017	14:35	Bio Pilot	PAH	C27 AH-A2	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell A2.
BPSB-171004-C27AH-A3	C27-A3	10/4/2017	14:40	Bio Pilot	PAH	C27 AH-A3	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell A3.
BPSB-171004-C27AH-A4	C27-A4	10/4/2017	14:45	Bio Pilot	PAH	C27 AH-A4	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell A4.
BPSB-171004-C27AH-B1	C27-B1	10/4/2017	15:05	Bio Pilot	PAH	C27 AH-B1	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell B1.
BPSB-171004-C27AH-B2	C27-B2	10/4/2017	15:00	Bio Pilot	PAH	C27 AH-B2	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell B2.
BPSB-171004-C27AH-B3	C27-B3	10/4/2017	14:55	Bio Pilot	PAH	C27 AH-B3	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell B3.
BPSB-171004-C27AH-B4	C27-B4	10/4/2017	14:50	Bio Pilot	PAH	C27 AH-B4	Cell 27	0.0	1.0	Comp	SOIL	C-27 Sub cell composite from Sub cell B4.
BPSB-171005-C31-COMP	C31	10/5/2017	10:25	Bio Pilot	PAH	C31 AH	Cell 31	0.0	1.0	Comp	SOIL	C-31 Composite from Full cell.

Notes:
 C = Cell (Bio Pilot)
 A1, A2, A3, ... B1, etc = Sub cells within the cell
 Comp = Composite sample (sample taken from multiple locations in a given area; i.e. a sub cell)
 Bio Pilot is short for biological remediation pilot study
 AH = Alkaline Hydrolysis (lime added)

Table 1 (c)
2017 Other Site Samples
 Summary of 2017 Site Investigation Activities
 Former DuPont Barksdale Works
 Ashland, Wisconsin
 BRRTS: 02-04-000156 / 02-04-550402

Sample ID	Quick Reference Name	Date	Time	Project	Work area (Example PAH)	Working Name	Feature Location ID (Ex PAHR007)	Top Depth (Surficial)	Bottom Depth (Surficial)	Sample Type	Matrix	Description
GW0617-CLUBHOUSE-EFFLUENT	CLUBHOUSE	6/6/2017	12:45	O & M		Clubhouse	NA	NA	NA	Grab	Water	Clubhouse tank room effluent port Water sample
GW0617-CLUBHOUSE-INFLOW	CLUBHOUSE	6/6/2017	13:10	O & M		Clubhouse	NA	NA	NA	Grab	Water	Clubhouse tank room inflow port Water sample
GW0417-CLUBHOUSE-INFLOW	CLUBHOUSE	4/25/2017	13:30	O & M		Clubhouse	NA	NA	NA	Grab	Water	Clubhouse tank room inflow port Water sample
GW0417-PZ-16-POT-INFLOW	PZ-16 POT	4/26/2017	15:20	O & M		Main Trailer	NA	NA	NA	Grab	Water	Office trailer bathroom inflow port Water sample
GW0417-PZ-41O	PZ-41O	4/27/2017	16:20	Site Investigation	SWE001	SWE001	NA	NA	NA	Comp	Groundwater	Well PZ-41O Ground Water sample
SW1017-SWE001	SWE001	10/3/2017	10:00	Site Investigation	SWD001	SWD001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWD001	SWD001	10/3/2017	12:30	Site Investigation	SWC001	SWC001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWC001	SWC001	10/3/2017	12:55	Site Investigation	SWC001	SWC001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWC001-SED	SWC001	10/3/2017	13:00	Site Investigation	SWB002	SWB002	NA	NA	NA	Grab	Sediment	Sediment sample
SW1017-SWB002	SWB002	10/3/2017	13:30	Site Investigation	SWB001	SWB001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWB001	SWB001	10/3/2017	13:50	Site Investigation	SWB001	SWB001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWB001-SED	SWB001	10/3/2017	14:00	Site Investigation	SWA001	SWA001	NA	NA	NA	Grab	Sediment	Sediment sample
SW1017-SWA001	SWA001	10/3/2017	15:20	Site Investigation	SWJ001	SWJ001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWJ001	SWJ001	10/3/2017	15:45	Site Investigation	SWK001	SWK001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWK001	SWK001	10/3/2017	16:05	Site Investigation	SWI001	SWI001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWI001	SWI001	10/3/2017	16:40	Site Investigation	SWH001	SWH001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWH001	SWH001	10/3/2017	17:00	Site Investigation	SWG001	SWG001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWG001	SWG001	10/4/2017	11:30	Site Investigation	SWG001	SWG001	NA	NA	NA	Comp	Water	Surface Water sample
SW1017-SWG001-SED	SWG001	10/4/2017	11:40	Site Investigation	SWF001	SWF001	NA	NA	NA	Grab	Sediment	Sediment sample
SW1017-SWF001	SWF001	10/4/2017	11:50	Site Investigation	SWF001	SWF001	NA	NA	NA	Comp	Water	Surface Water sample

Notes:

Comp = Composite sample (sample taken from multiple locations in a given area; i.e. a sub cell)

N/A = No information available

Table 2
2017 Debris and Residuals Removed
 Summary of 2017 Site Investigation Activities
 Former DuPont Barksdale Works
 Ashland, Wisconsin
 BRRS: 02-04-000156 / 02-04-550402

Items For Off-site Disposal						
Source	Material Description	Quantity (cf)	Weight as received by vendor (lbs)	On Site Holding Location	Off-site Disposal Destination	Manifest
Product						
PAI TNX Trinitration House 2, 3, 4, 5 (PAIB0020, PAIB0027, PAIB0033, PAIB0038) & TNX Neutralizer House 4 (PAIB0031)	TNX / soil mix	1.0	150	Magazine	Not Applicable - Shipped to US Army Corp of Engineers Vicksburg, MS for testing	XPOLogistics 896-055764
Wood						
PAJ Refined Triton Wash House and Wash house area ditches (PAJB0006, PAJB0021, & PAJB0024)	8" x 2" Planks, 8' x 4' Plywood sheets, other various sized pieces	10.0	950	Lined and covered roll-off container staged at accumulation pad (SAJ-WP01)	VES Sauget, IL	001196395 VES
Other						
Emptied plastic process / storage containers	Plastic buckets and drums with impacted soil exposure	39.8	1,460	Lined and covered roll-off container staged at accumulation pad (SAJ-WP01)	VES Sauget, IL	001196395 VES
Introduced materials	Impacted tarps, plastic, PPE, sampling scoops, and other materials	4.5	150	Lined and covered roll-off container staged at accumulation pad (SAJ-WP01)	VES Sauget, IL	001196395 VES
Previously added waste materials (Added during the 2016 field season)	Wood, sample jars, and impacted PPE, tarps, garbage bags, etc	24.5	125	Lined and covered roll-off container staged at accumulation pad (SAJ-WP01)	VES Sauget, IL	001196395 VES

Items Not Requiring Off-site Disposal						
Source	Material Description	Quantity (cf)	Held on site (Not Sent to Vendor)	On Site Holding Location	Off-site Disposal Destination	Manifest
Product						
PAJ WASH House, WASH Catch Box, WASH Drainage Ditch (PAJB0006, PAJD0021, PAJD0024) & Refined Triton Eastern Overflow Area (Delta)	TNT / soil / lime / water mix placed in C-31 Estimated 3,324 lbs of solid TNT (collected in buckets) was processed	~308	12,274 lbs dry soil (2,824 lbs solid product) + 10,800 lbs (~500 lbs solid product) from Delta	C-31	--	--
Concrete						
PAJ Wash House foundation	concrete screening > background	~ 550	t	Placed in C28	--	--
PAJ Wash House foundation	concrete screening < background	~ 370	not weighed	Left at source	--	--
Pipe, Steel						
PAJ Refined Triton Wash House and Wash house catch box (PAJB0006 & PAJB0024)	steel pipes screening clean & rebar/bolts	3.0	38 linear ft at 3 to 4 inches in diameter	PAR-SP01	Chicago Iron	pending
Other						
Potential asbestos containing material	Whitish fibrous material	0.1	--	Secured within two asbestos disposal bags placed in steel drum, stored at decon area	--	pending

Notes:
 cf = cubic feet (foot x foot x foot)
 lbs = pounds (weight)

N/A = No information available
 (apostrophe) = shorthand for feet
 * (single quotation mark) = shorthand for inches

Table 3
2017 Soil Moved to Test Cells
 Summary of 2017 Site Investigation Activities
 Former DuPont Barksdale Works
 Ashland, Wisconsin
 BRRTS: 02-04-000156 / 02-04-550402

Source	Destination	Volume (CY)	Date
Test soils from C23	C12	0.87	06/20/17
All Source Areas	C12	0.87	2017
Test soils from C23	C17	0.83	06/20/17
All Source Areas	C17	0.83	2017
Test soils from C23	C22	1.00	06/20/17
All Source Areas	C22	1.00	2017
PAJ Wash House eastern drain (PAJD0021)	C27	58.75	07/19/17
PAJ WASH House Catch Box (PAJD0024)	C27	55.00	08/22/17
PAJ Wash House (PAJB0006)	C27	97.25	09/13/17
All Source Areas	C27	211.00	2017
PAJ WASH House Catch Basin (PAJD0024)	C28	123.00	09/01/17
PAJ Wash House (PAJB0006)	C28	347.00	09/21/17
Refined Triton Eastern Overflow (Delta)	C28	280.00	10/03/17
All Source Areas	C28	750.00	2017
PAJ Wash House eastern drain (PAJD0021)	C31	0.12	09/27/17
PAJ WASH House Catch Basin (PAJD0024)	C31	7.28	09/27/17
Refined Triton Eastern Overflow (Delta)	C31	4.00	09/27/17
All Source Areas	C31	11.40	2017
Total for 2017	ALL	975.10	2017

Notes:

CY = cubic yard

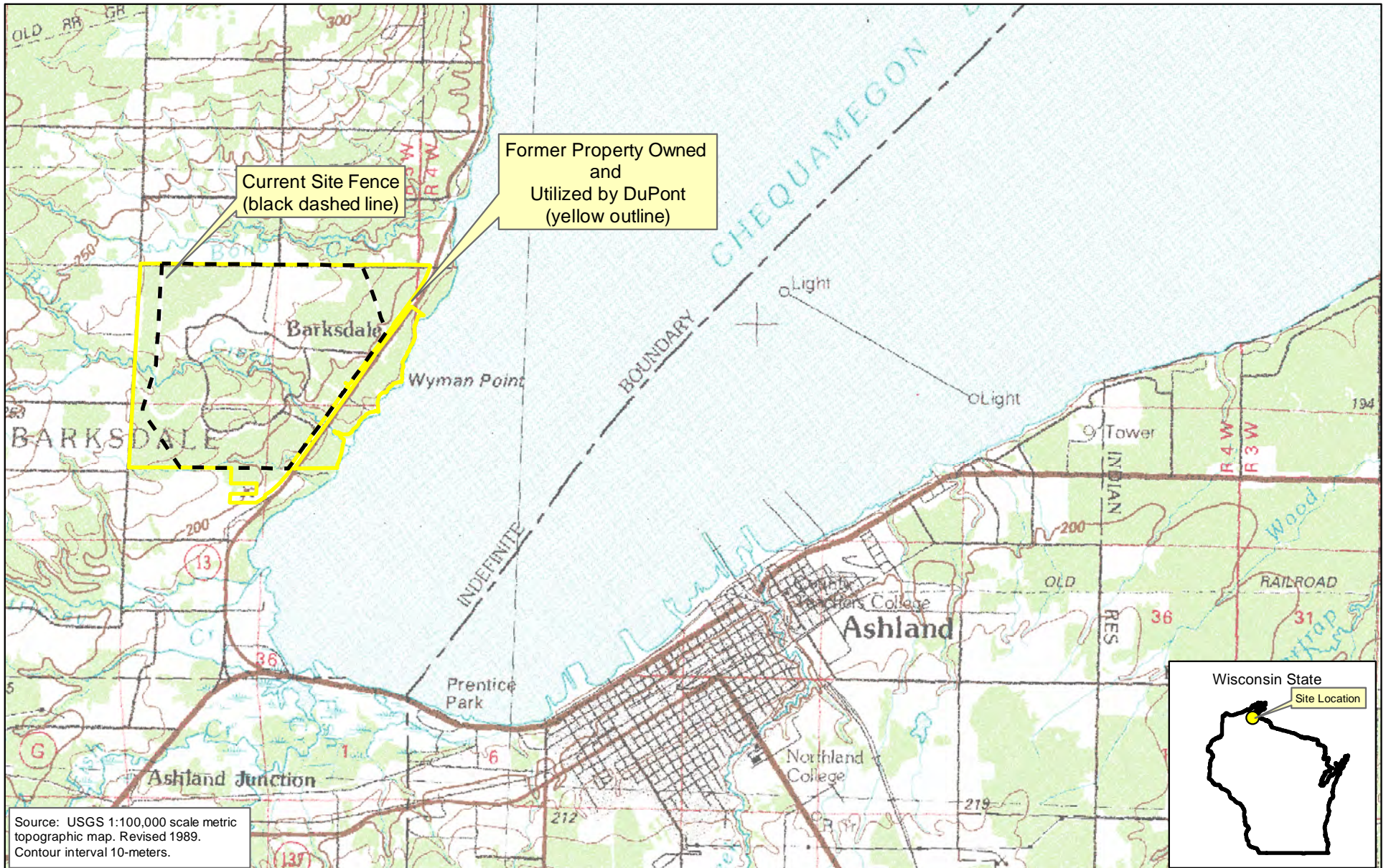
C = Bio Pilot Cell

Table 4
Biopilot Historical Summary
 Summary of 2017 Site Investigation Activities
 Former DuPont Barksdale Works
 Ashland, Wisconsin
 BRRTS: 02-04-000156 / 02-04-550402

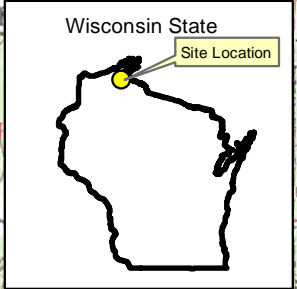
Bio Pilot Total Soils Table - 2017 (quantities shown in cubic yards)																																		
Year	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	Total	
2007	13.6	13.6	13.6	13.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	54
2008	13.6	13.6	13.6	13.6	432.9	68.4	189.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	745	
2009	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	157.5	369.4	189.4	468.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2,911		
2010	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	157.5	369.4	189.4	468.5	169.8	135.8	57.0	---	---	---	---	---	---	---	---	---	---	---	---	---	3,274		
2011	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	157.5	369.4	189.4	468.5	169.8	135.8	57.0	---	---	---	---	---	---	---	---	---	---	---	---	---	3,274		
2012	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	157.5	369.4	189.4	468.5	169.8	135.8	57.0	62.5	---	20.0	---	---	---	---	---	---	---	---	---	---	3,357		
2013	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	157.5	369.4	189.4	468.5	169.8	133.8	57.0	106.5	76.0	41.1	0.5	8.0	---	---	---	---	---	---	---	---	3,504		
2014	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	157.0	369.4	189.4	468.5	169.8	133.8	57.0	106.5	76.0	41.1	0.5	0.0	---	---	---	---	---	---	---	---	3,496		
2015	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	300.0	369.4	189.4	468.5	176.8	133.8	57.0	106.5	76.0	41.1	0.5	0.0	450.0	250.0	---	---	---	---	---	---	4,346		
2016	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	300.0	369.4	189.4	468.5	176.8	133.8	57.0	106.5	76.0	41.1	0.5	0.0	263.0	250.0	307.0	66.0	---	---	---	---	4,532		
2017	13.6	13.6	13.6	13.6	432.9	68.4	189.4	115.4	229.2	392.5	244.4	300.9	369.4	189.4	468.5	176.8	134.6	57.0	106.5	76.0	41.1	1.5	0.0	263.0	250.0	307.0	277.0	750.0	---	11.4	---	5,507		

Note:
 ### Highlighted cells indicate lime addition
 ### Shaded cells have been "rested and/or seeded"
 C = Bio Pilot Cell

FIGURES

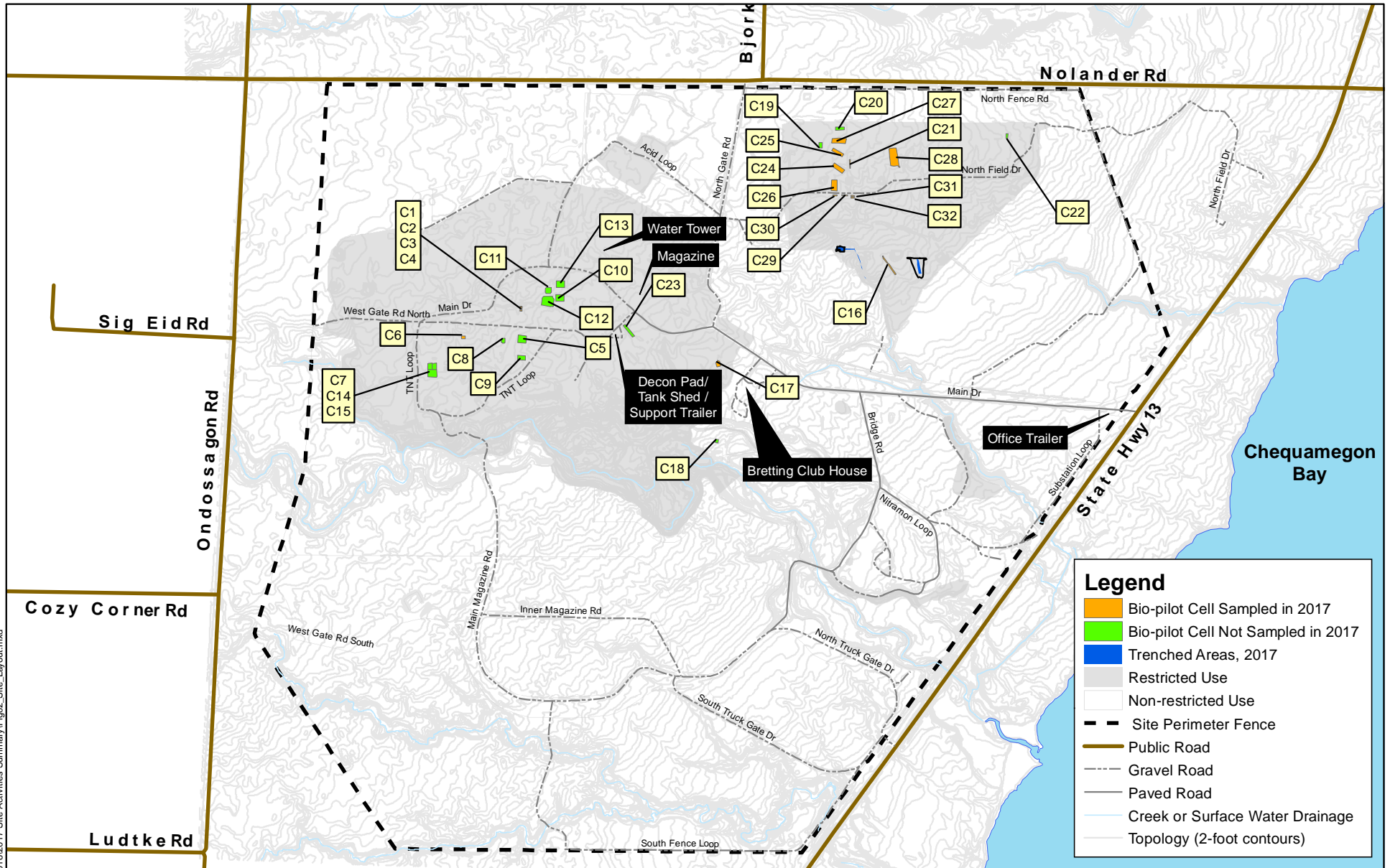


Source: USGS 1:100,000 scale metric topographic map. Revised 1989. Contour interval 10-meters.



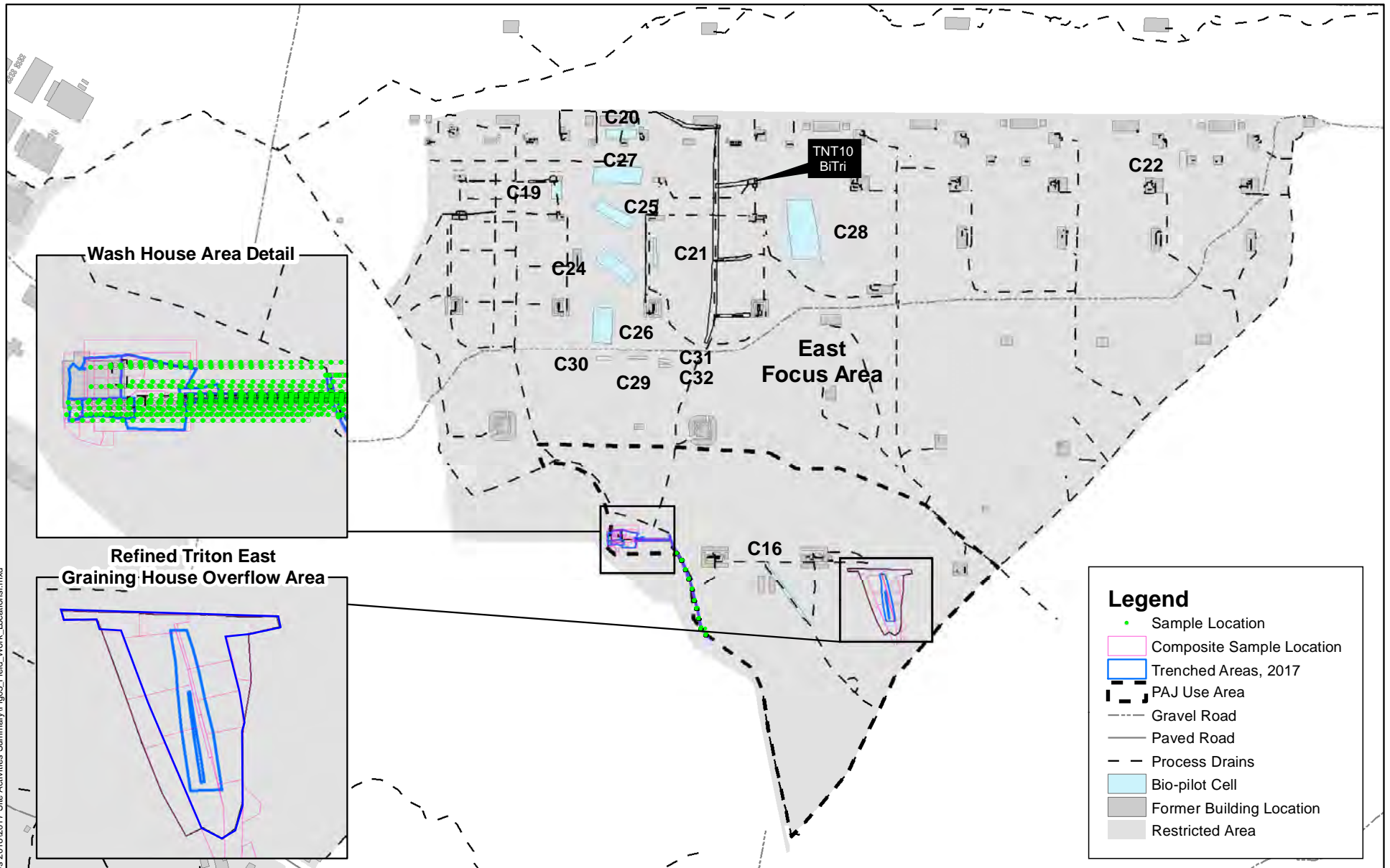
G:\Projects\Barksdale\GIS\Maps\2018\2017 Site Activities Summary\Fig01_Site_Loc.mxd

<p>Area Map (Optional)</p>	<p>Miles 1:63,000 MAP FORMATTED FOR "A" (8.5" X 11") SIZE SHEET. SCALE NOT VALID FOR DIFFERENT PAGE SIZE.</p>	<p>FILE NUMBER:</p> <hr/> <p>DESIGNED BY: NS</p> <hr/> <p>DRAWN BY: VN</p> <hr/> <p>DATA QUALITY CHECK BY: NS</p>	<p>AECOM</p> <p>AECOM 500 West Jefferson Street Suite 1600 Louisville, Kentucky 40202</p>	<p>Regional Site Location</p> <p>Summary of 2017 Site Activities Former DuPont Barksdale Works Barksdale, Wisconsin 54806</p>	<p>PROJECT NUMBER: 60505619</p> <hr/> <p>DATE: December 2018</p> <hr/> <p>FIGURE NUMBER: 1</p>
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G:\Projects\Barksdale\GIS\Maps\Maps 2018\2017 Site Activities Summary\Fig02_Site_Layout.mxd

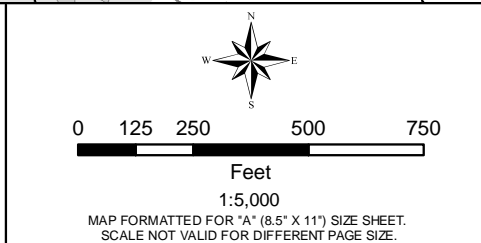
G:\Projects\Barksdale\GIS\Maps\2018\2017 Site Activities Summary\Fig03_Field_Work_Locations.mxd



Legend

- Sample Location
- Composite Sample Location
- Trenched Areas, 2017
- PAJ Use Area
- Gravel Road
- Paved Road
- - - Process Drains
- Bio-pilot Cell
- Former Building Location
- Restricted Area

Area Map (Optional)



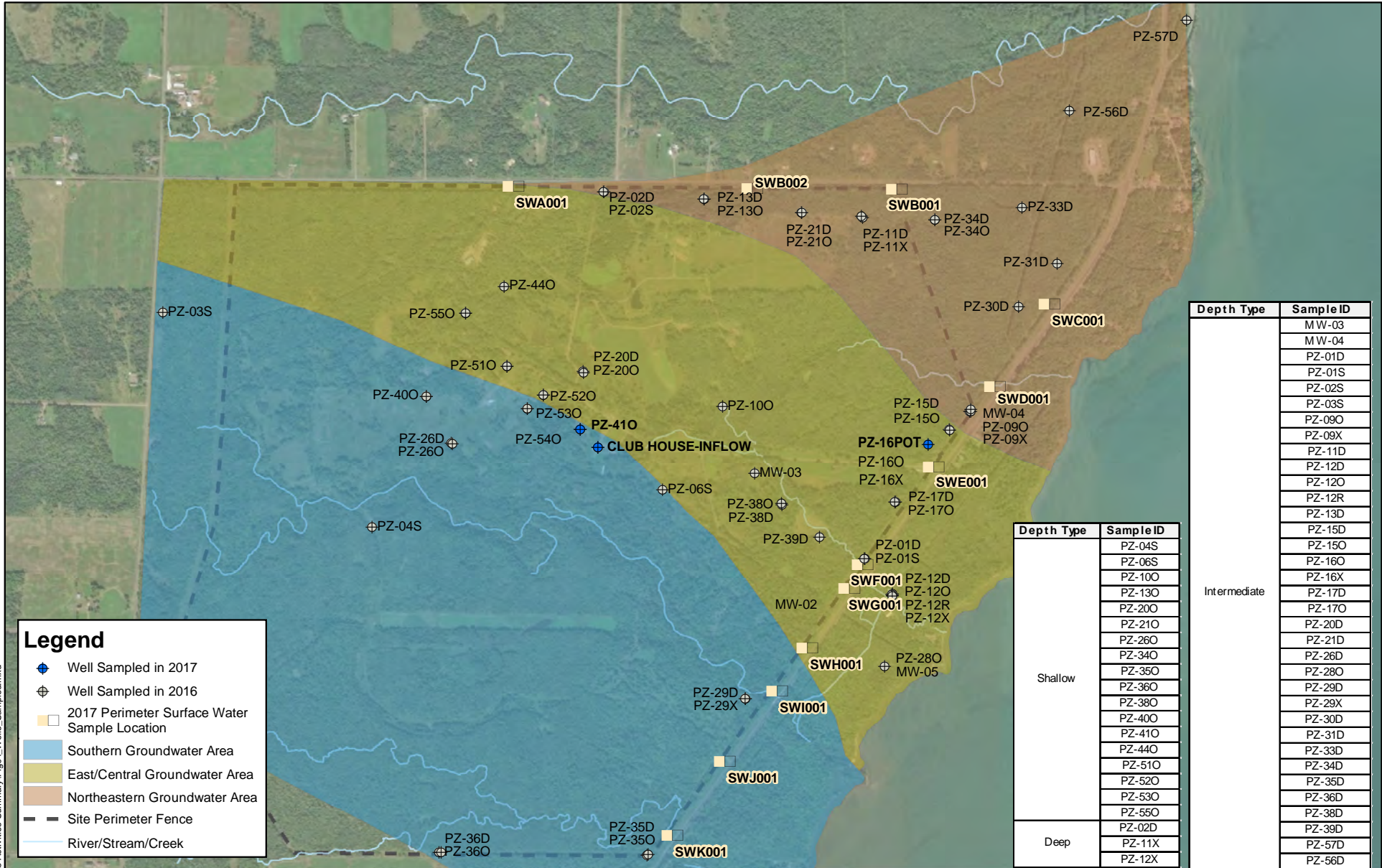
FILE NUMBER:
DESIGNED BY: NS
DRAWN BY: VN
DATA QUALITY CHECK BY: NS

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AECOM
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2017 Delineation Field Work Locations

Summary of 2017 Site Activities
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:
60505619
DATE:
December 2018
FIGURE NUMBER:
3

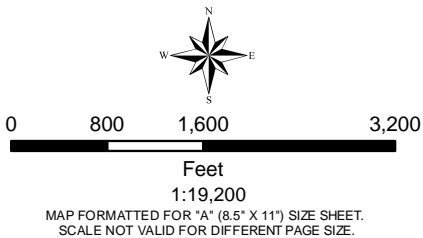


Legend

- Well Sampled in 2017
- Well Sampled in 2016
- 2017 Perimeter Surface Water Sample Location
- Southern Groundwater Area
- East/Central Groundwater Area
- Northeastern Groundwater Area
- Site Perimeter Fence
- River/Stream/Creek

Depth Type	Sample ID
Shallow	PZ-04S
	PZ-06S
	PZ-100
	PZ-130
	PZ-200
	PZ-210
	PZ-260
	PZ-340
	PZ-350
	PZ-360
	PZ-380
	PZ-400
	PZ-410
	PZ-440
	PZ-510
	PZ-520
	PZ-530
	PZ-550
	PZ-02D
	PZ-11X
PZ-12X	
Intermediate	MW-03
	MW-04
	PZ-01D
	PZ-01S
	PZ-02S
	PZ-03S
	PZ-09O
	PZ-09X
	PZ-11D
	PZ-12D
Deep	PZ-120
	PZ-12R
	PZ-13D
	PZ-15D
	PZ-15O
	PZ-160
	PZ-16X
	PZ-17D
	PZ-17O
	PZ-20D
PZ-21D	
PZ-26D	
PZ-280	
PZ-29D	
PZ-29X	
PZ-30D	
PZ-31D	
PZ-33D	
PZ-34D	
PZ-35D	
PZ-36D	
PZ-38D	
PZ-39D	
PZ-57D	
PZ-56D	

Area Map (Optional)



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

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Groundwater, Surface Water & Sediment Sampling Sites

Summary of 2017 Site Activities
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:	60505619
DATE:	December 2018
FIGURE NUMBER:	4

Project:Barksdale\GIS\Maps\2018\2017 Site Activities Summary\Fig04_Wells_Sampled.mxd

ATTACHMENT 1



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December 07, 2017

Cary Pooler
AECOM
500 West Jefferson St, Ste 1600
Louisville, KY 40202
RE: DuPont Barksdale Explosives Plant - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 10/05/2017 and 10/12/2017.

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
ADEQ	Arkansas Department of Environmental Quality	17-065-0	09/26/2018
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2018
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2018
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2018
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2018
NCDEQ	North Carolina Dept. of Environmental Quality Accreditation	688	12/31/2017
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2018
ODEQ	Oklahoma Department of Environmental Quality Accreditation	2017-154	08/31/2018
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2018
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2018



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-170713-002C-4.5-5	A174115-01	Soil	07/13/2017	10/05/2017
SITG-170713-002N-3-3-5	A174115-02	Soil	07/13/2017	10/05/2017
SITG-170713-002S-3.5-4	A174115-03	Soil	07/13/2017	10/05/2017
SITG-170713-002Z-0-5	A174115-04	Soil	07/13/2017	10/05/2017
SITG-170713-003C-4.5-5	A174115-05	Soil	07/13/2017	10/05/2017
SITG-170713-003N-3.5-4	A174115-06	Soil	07/13/2017	10/05/2017
SITG-170713-003S-3.5-4	A174115-07	Soil	07/13/2017	10/05/2017
SITG-170713-003Z-1-5	A174115-08	Soil	07/13/2017	10/05/2017
SITG-170713-004C-3.5-5	A174115-09	Soil	07/13/2017	10/05/2017
SITG-170713-004N-2-2.5	A174115-10	Soil	07/13/2017	10/05/2017
SITG-170713-004S-1.5-2	A174115-11	Soil	07/13/2017	10/05/2017
SITG-170713-004Z-1-4	A174115-12	Soil	07/13/2017	10/05/2017
SITG-170713-005C-3-3.5	A174115-13	Soil	07/13/2017	10/05/2017
SITG-170713-005N-2-2.5	A174115-14	Soil	07/13/2017	10/05/2017
SITG-170713-005S-1.5-2	A174115-15	Soil	07/13/2017	10/05/2017
SITG-170713-005Z-1-3.5	A174115-16	Soil	07/13/2017	10/05/2017
SITG-170714-006C-3.5-4	A174115-17	Soil	07/14/2017	10/05/2017
SITG-170714-006N-2.5-3	A174115-18	Soil	07/14/2017	10/05/2017
SITG-170714-006S-2.5-3	A174115-19	Soil	07/14/2017	10/05/2017
SITG-170714-006Z-1-4	A174115-20	Soil	07/14/2017	10/05/2017
SITG-170714-007C-4-4.5	A174115-21	Soil	07/14/2017	10/05/2017
SITG-170714-007N-2-2.5	A174115-22	Soil	07/14/2017	10/05/2017
SITG-170714-007S-3-3.5	A174115-23	Soil	07/14/2017	10/05/2017
SITG-170714-007Z-1-4.5	A174115-24	Soil	07/14/2017	10/05/2017
SITG-170714-008C-3.5-4	A174115-25	Soil	07/14/2017	10/05/2017
SITG-170714-008N-3-3.5	A174115-26	Soil	07/14/2017	10/05/2017
SITG-170714-008S-1.5-2	A174115-27	Soil	07/14/2017	10/05/2017
SITG-170714-008Z-1-4	A174115-28	Soil	07/14/2017	10/05/2017
SITG-170717-009C-2.5-3	A174115-29	Soil	07/17/2017	10/05/2017
SITG-170717-009N-2-2.5	A174115-30	Soil	07/17/2017	10/05/2017



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 Project Number: 60545750
 Project Manager: Cary Pooler

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-170717-009S-1.5-2	A174115-31	Soil	07/17/2017	10/05/2017
SITG-170717-009Z-1-3	A174115-32	Soil	07/17/2017	10/05/2017
SITG-170720-011Z-0-0.5	A174115-33	Soil	07/20/2017	10/05/2017
SITG-170720-012Z-0-0.5	A174115-34	Soil	07/20/2017	10/05/2017
SITG-170720-013Z-0-0.5	A174115-35	Soil	07/20/2017	10/05/2017
SITG-170720-014Z-0-0.5	A174115-36	Soil	07/20/2017	10/05/2017
SITG-170720-015Z-0-0.5	A174115-37	Soil	07/20/2017	10/05/2017
SITG-170822-018Z-1-5	A174115-38	Soil	08/22/2017	10/05/2017
SITG-170822-019Z-1-5	A174115-39	Soil	08/22/2017	10/05/2017
SITG-170822-020Z-1-5	A174115-40	Soil	08/22/2017	10/05/2017
SITG-170823-021N-3	A174115-41	Soil	08/23/2017	10/05/2017
SITG-170823-021NW-3.5	A174115-42	Soil	08/23/2017	10/05/2017
SITG-170823-021S-3	A174115-43	Soil	08/23/2017	10/05/2017
SITG-170823-021Z-3-5.5	A174115-44	Soil	08/23/2017	10/05/2017
SITG-170823-021SW-3.5	A174115-45	Soil	08/23/2017	10/05/2017
SITG-170823-021C-5.5	A174115-46	Soil	08/23/2017	10/05/2017
SITG-170823-022S-2.5	A174115-47	Soil	08/23/2017	10/05/2017
SITG-170823-022N-5	A174115-48	Soil	08/23/2017	10/05/2017
SITG-170823-022C-5	A174115-49	Soil	08/23/2017	10/05/2017
SITG-170823-022Z-2.5-5	A174115-50	Soil	08/23/2017	10/05/2017
SITG-170823-023S-2.5	A174115-51	Soil	08/23/2017	10/05/2017
SITG-170823-023C-5	A174115-52	Soil	08/23/2017	10/05/2017
SITG-170823-023N-5	A174115-53	Soil	08/23/2017	10/05/2017
SITG-170823-023Z-2.5-5	A174115-54	Soil	08/23/2017	10/05/2017
SITG-170823-024Z-5.5-8	A174115-55	Soil	08/23/2017	10/05/2017
SITG-170823-025Z-5.5-8	A174115-56	Soil	08/23/2017	10/05/2017
SITG-170823-026Z-5.5-8	A174115-57	Soil	08/23/2017	10/05/2017
SITG-170824-027Z-0-4	A174115-58	Soil	08/24/2017	10/05/2017
SITG-170824-028Z-0-4	A174115-59	Soil	08/24/2017	10/05/2017
SITG-170824-029Z-0-4	A174115-60	Soil	08/24/2017	10/05/2017
SITG-170824-030Z-0-4	A174115-61	Soil	08/24/2017	10/05/2017



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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-170824-031Z-0-5	A174115-62	Soil	08/24/2017	10/05/2017
SITG-170824-032Z-0-5	A174115-63	Soil	08/24/2017	10/05/2017
SITG-170824-033Z-0-5	A174115-64	Soil	08/24/2017	10/05/2017
SITG-170825-034C-5	A174115-65	Soil	08/25/2017	10/05/2017
SITG-170825-034Z-0-5	A174115-66	Soil	08/25/2017	10/05/2017
SITG-170825-034E-2	A174115-67	Soil	08/25/2017	10/05/2017
SITG-170825-034W-2	A174115-68	Soil	08/25/2017	10/05/2017
SITG-170825-035C-5	A174115-69	Soil	08/25/2017	10/05/2017
SITG-170825-035W-2	A174115-70	Soil	08/25/2017	10/05/2017
SITG-170825-035E-3	A174115-71	Soil	08/25/2017	10/05/2017
SITG-170825-035Z-0-5	A174115-72	Soil	08/25/2017	10/05/2017
SITG-170825-036C-4	A174115-73	Soil	08/25/2017	10/05/2017
SITG-170825-036Z-0-4	A174115-74	Soil	08/25/2017	10/05/2017
SITG-170825-036E-2	A174115-75	Soil	08/25/2017	10/05/2017
SITG-170825-036W-2	A174115-76	Soil	08/25/2017	10/05/2017
SITG-170825-037C-4	A174115-77	Soil	08/25/2017	10/05/2017
SITG-170825-037Z-0-4	A174115-78	Soil	08/25/2017	10/05/2017
SITG-170825-037E-2	A174115-79	Soil	08/25/2017	10/05/2017
SITG-170825-037W-3	A174115-80	Soil	08/25/2017	10/05/2017
SITG-170825-038C-4.5	A174115-81	Soil	08/25/2017	10/05/2017
SITG-170825-038Z-0-4.5	A174115-82	Soil	08/25/2017	10/05/2017
SITG-170825-038E-2	A174115-83	Soil	08/25/2017	10/05/2017
SITG-170825-038W-2	A174115-84	Soil	08/25/2017	10/05/2017
SITG-170825-039C-4	A174115-85	Soil	08/25/2017	10/05/2017
SITG-170825-039Z-0-4	A174115-86	Soil	08/25/2017	10/05/2017
SITG-170825-039E-1	A174115-87	Soil	08/25/2017	10/05/2017
SITG-170825-039W-1	A174115-88	Soil	08/25/2017	10/05/2017
SITG-170825-040C-5	A174115-89	Soil	08/25/2017	10/05/2017
SITG-170825-040Z-0-5	A174115-90	Soil	08/25/2017	10/05/2017
SITG-170825-040E-3	A174115-91	Soil	08/25/2017	10/05/2017
SITG-170825-040W-3	A174115-92	Soil	08/25/2017	10/05/2017



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 Project Number: 60545750
 Project Manager: Cary Pooler

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-170825-041Z-0-5	A174115-93	Soil	08/25/2017	10/05/2017
SITG-170825-042Z-0-5	A174115-94	Soil	08/25/2017	10/05/2017
SITG-170825-043Z-0-5	A174115-95	Soil	08/25/2017	10/05/2017
SITG-170825-044C-5	A174115-96	Soil	08/25/2017	10/05/2017
SITG-170825-044Z-0-5	A174115-97	Soil	08/25/2017	10/05/2017
SITG-170825-044E-3	A174115-98	Soil	08/25/2017	10/05/2017
SITG-170825-044W-3	A174115-99	Soil	08/25/2017	10/05/2017
SITG-170825-045C-4.5	A174115-AA	Soil	08/25/2017	10/05/2017
SITG-170825-045Z-0-4.5	A174115-AB	Soil	08/25/2017	10/05/2017
SITG-170825-045E-2	A174115-AC	Soil	08/25/2017	10/05/2017
SITG-170825-045W-2	A174115-AD	Soil	08/25/2017	10/05/2017
SITG-170825-046C-4	A174115-AE	Soil	08/25/2017	10/05/2017
SITG-170825-046Z-0-4	A174115-AF	Soil	08/25/2017	10/05/2017
SITG-170825-046E-1.5	A174115-AG	Soil	08/25/2017	10/05/2017
SITG-170825-046W-1.5	A174115-AH	Soil	08/25/2017	10/05/2017
SITG-170825-047C-4	A174115-AI	Soil	08/25/2017	10/05/2017
SITG-170825-047Z-0-4	A174115-AJ	Soil	08/25/2017	10/05/2017
SITG-170825-047E-2	A174115-AK	Soil	08/25/2017	10/05/2017
SITG-170825-047W-2	A174115-AL	Soil	08/25/2017	10/05/2017
SITG-170825-048Z-0-4	A174115-AM	Soil	08/25/2017	10/05/2017
SITG-170825-049Z-0-4	A174115-AN	Soil	08/25/2017	10/05/2017
SITG-170825-050Z-0-4	A174115-AO	Soil	08/25/2017	10/05/2017
SITG-170825-051Z-0-4	A174115-AP	Soil	08/25/2017	10/05/2017
SITG-170829-053Z-0-4	A174115-AQ	Soil	08/29/2017	10/05/2017
SITG-170829-053C-4	A174115-AR	Soil	08/29/2017	10/05/2017
SITG-170829-053E-2-2.5	A174115-AS	Soil	08/29/2017	10/05/2017
SITG-170829-053W-2-2.5	A174115-AT	Soil	08/29/2017	10/05/2017
SITG-170829-054Z-0-4	A174115-AU	Soil	08/29/2017	10/05/2017
SITG-170920-055C-6-6.5	A174115-AV	Soil	09/20/2017	10/05/2017
SITG-170920-055Z-6-6.5	A174115-AW	Soil	09/20/2017	10/05/2017
SITG-170920-056C-6-6.5	A174115-AX	Soil	09/20/2017	10/05/2017



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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-170920-056Z-6-6.5	A174115-AY	Soil	09/20/2017	10/05/2017
SITG-170920-057C-6-6.5	A174115-AZ	Soil	09/20/2017	10/05/2017
SITG-170920-057Z-6-6.5	A174115-BA	Soil	09/20/2017	10/05/2017
SITG-170920-058C-6-6.5	A174115-BB	Soil	09/20/2017	10/05/2017
SITG-170920-058Z-6-6.5	A174115-BC	Soil	09/20/2017	10/05/2017
SITG-170920-059C-6-6.5	A174115-BD	Soil	09/20/2017	10/05/2017
SITG-170920-059Z-7.5-8	A174115-BE	Soil	09/20/2017	10/05/2017
SITG-170920-060C-7.5-8	A174115-BF	Soil	09/20/2017	10/05/2017
SITG-170920-060Z-7.5-8	A174115-BG	Soil	09/20/2017	10/05/2017
SITG-170920-061C-5-5.5	A174115-BH	Soil	09/20/2017	10/05/2017
SITG-170920-061Z-4-6	A174115-BI	Soil	09/20/2017	10/05/2017
SITG-170920-062Z-8-8.5	A174115-BJ	Soil	09/20/2017	10/05/2017
SITG-170920-063C-6-7	A174115-BK	Soil	09/20/2017	10/05/2017
SITG-170920-063Z-6-7	A174115-BL	Soil	09/20/2017	10/05/2017
SITG-170920-064C-7-7.5	A174115-BM	Soil	09/20/2017	10/05/2017
SITG-170920-064Z-7-7.5	A174115-BN	Soil	09/20/2017	10/05/2017
SITG-170920-065Z-2-6	A174115-BO	Soil	09/20/2017	10/05/2017
SITG-170920-066Z-2-6	A174115-BP	Soil	09/20/2017	10/05/2017
SITG-170920-067Z-2-7	A174115-BQ	Soil	09/20/2017	10/05/2017
SITG-170920-068Z-2-7	A174115-BR	Soil	09/20/2017	10/05/2017
SITG-170920-069Z-2-8	A174115-BS	Soil	09/20/2017	10/05/2017
SITG-170920-070N-4-4.5	A174115-BT	Soil	09/20/2017	10/05/2017
SITG-170920-070C-4-4.5	A174115-BU	Soil	09/20/2017	10/05/2017
SITG-170920-070S-4-4.5	A174115-BV	Soil	09/20/2017	10/05/2017
SITG-170920-070Z-6-7.5	A174115-BW	Soil	09/20/2017	10/05/2017
SITG-170920-070B-7-7.5	A174115-BX	Soil	09/20/2017	10/05/2017
SITG-170921-071Z-0-6	A174115-BY	Soil	09/21/2017	10/05/2017
SITG-170921-062C-9-9.5	A174115-BZ	Soil	09/21/2017	10/05/2017
SITG-171010-072Z	A174115-CA	Soil	10/10/2017	10/12/2017
SITG-171010-073Z	A174115-CB	Soil	10/10/2017	10/12/2017
SITG-171010-074Z	A174115-CC	Soil	10/10/2017	10/12/2017



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SITG-171010-075Z	A174115-CD	Soil	10/10/2017	10/12/2017
SITG-171010-076Z	A174115-CE	Soil	10/10/2017	10/12/2017
SITG-171010-077Z	A174115-CF	Soil	10/10/2017	10/12/2017
SITG-171010-078Z	A174115-CG	Soil	10/10/2017	10/12/2017
SITG-171010-079Z	A174115-CH	Soil	10/10/2017	10/12/2017
SITG-171010-080Z	A174115-CI	Soil	10/10/2017	10/12/2017
SITG-171010-081Z	A174115-CJ	Soil	10/10/2017	10/12/2017
SITG-171010-082Z	A174115-CK	Soil	10/10/2017	10/12/2017
SITG-171010-083Z	A174115-CL	Soil	10/10/2017	10/12/2017
SITG-171010-084Z	A174115-CM	Soil	10/10/2017	10/12/2017
SITG-171010-085Z	A174115-CN	Soil	10/10/2017	10/12/2017
SITG-171010-086Z	A174115-CO	Soil	10/10/2017	10/12/2017
SITG-171010-087Z	A174115-CP	Soil	10/10/2017	10/12/2017
SITG-171010-088Z	A174115-CQ	Soil	10/10/2017	10/12/2017
SITG-171010-089Z	A174115-CR	Soil	10/10/2017	10/12/2017
SITG-171010-090Z	A174115-CS	Soil	10/10/2017	10/12/2017
SITG-171011-091Z	A174115-CT	Soil	10/11/2017	10/12/2017
SITG-171011-092Z	A174115-CU	Soil	10/11/2017	10/12/2017
SITG-171011-093Z	A174115-CV	Soil	10/11/2017	10/12/2017
SITG-170825-039C-4-D	A174115-CW	Soil	08/25/2017	10/05/2017
SITG-170825-040C-5-D	A174115-CX	Soil	08/25/2017	10/05/2017
SITG-170825-043Z-0-5-D	A174115-CY	Soil	08/25/2017	10/05/2017



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Project Number: 60545750
Project Manager: Cary Pooler

CASE NARRATIVE

Sample Receipt Information:

154 samples were received on 10/05/2017 and 22 samples were received on 10/12/2017. Samples were received on ice. Samples were received in acceptable condition, with the exception of the label discrepancies noted on the chain of custody (COC). Per client instruction, the information from the sample container was used for any sample with a discrepancy.

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

Continuing Calibration Verification (CCV):

The LC footnote on samples A174115-BH through A174115-BO states that there were low CCV recoveries for 3,5-dinitroaniline and 4-amino-2,6-dinitrotoluene. The lower control limit is 70% and the lowest recoveries were 68.7% and 69.3%, respectively.



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-002C-4.5-5

Date Sampled

A174115-01 (Soil)

07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:11	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 63.8 % 48.3-152 11/13/2017 11/14/2017 05:11 EPA 8270D

Surrogate: Nitrobenzene-d5 86.9 % 72-126 11/13/2017 11/14/2017 05:11 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.8	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-002N-3-3.5

A174115-02 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 05:37	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

61.0 % 48.3-152

11/13/2017

11/14/2017 05:37

EPA 8270D

Surrogate: Nitrobenzene-d5

85.4 % 72-126

11/13/2017

11/14/2017 05:37

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.0	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-002S-3.5-4

A174115-03 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
2,4,6-Trinitrotoluene	250	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	210	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 06:02	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		72.2 %		48.3-152	11/13/2017	11/14/2017 06:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.2 %		72-126	11/13/2017	11/14/2017 06:02	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.7	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-002Z-0-5

Date Sampled
07/13/2017 10:57

A174115-04 (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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	210	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 08:36	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

64.7 % 48.3-152

11/13/2017

11/14/2017 08:36

EPA 8270D

Surrogate: Nitrobenzene-d5

87.1 % 72-126

11/13/2017

11/14/2017 08:36

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.9	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-003C-4.5-5

A174115-05 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,3,5-Trinitrobenzene	220	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
2,4,6-Trinitrotoluene	740	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 09:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.8 %		48.3-152	11/13/2017	11/14/2017 09:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.1 %		72-126	11/13/2017	11/14/2017 09:02	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.9	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-003N-3.5-4

A174115-06 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
2,4,6-Trinitrotoluene	290	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:30	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		71.9 %		48.3-152	11/13/2017	11/13/2017 21:30	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.1 %		72-126	11/13/2017	11/13/2017 21:30	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.5	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170713-003S-3.5-4

A174115-07 (Soil)

Date Sampled
 07/13/2017 11:06

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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 23:12	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 74.2 % 48.3-152 11/13/2017 11/13/2017 23:12 EPA 8270D

Surrogate: Nitrobenzene-d5 91.2 % 72-126 11/13/2017 11/13/2017 23:12 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.6	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-003Z-1-5

A174115-08 (Soil)

Date Sampled
07/13/2017 11:08

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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
2,4,6-Trinitrotoluene	4200	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
2-Amino-4,6-dinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:56	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

79.2 % 48.3-152

11/13/2017

11/13/2017 21:56

EPA 8270D

Surrogate: Nitrobenzene-d5

87.3 % 72-126

11/13/2017

11/13/2017 21:56

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.7	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-004C-3.5-5

A174115-09 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,3-Dinitrobenzene	200	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
2,4,6-Trinitrotoluene	880	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:21	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		78.8 %		48.3-152	11/13/2017	11/13/2017 22:21	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.0 %		72-126	11/13/2017	11/13/2017 22:21	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	100	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-004N-2-2.5

A174115-10 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
2,4,6-Trinitrotoluene	18000	800	ug/kg dry	4	11/13/2017	11/14/2017 11:10	EPA 8270D	D
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
2-Amino-4,6-dinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
4-Amino-2,6-dinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 22:47	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

82.5 % 48.3-152

11/13/2017 11/13/2017 22:47

EPA 8270D

Surrogate: Nitrobenzene-d5

89.6 % 72-126

11/13/2017 11/13/2017 22:47

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.7	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-004S-1.5-2

A174115-11 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:13	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	66.5 %	48.3-152	11/13/2017	11/13/2017 20:13	EPA 8270D
Surrogate: Nitrobenzene-d5	90.0 %	72-126	11/13/2017	11/13/2017 20:13	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.7	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-004Z-1-4

A174115-12 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
2,4,6-Trinitrotoluene	2600	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 20:39	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		80.8 %		48.3-152	11/13/2017	11/13/2017 20:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.2 %		72-126	11/13/2017	11/13/2017 20:39	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.7	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170713-005C-3-3.5

A174115-13 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
2,4,6-Trinitrotoluene	310	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/13/2017 21:04	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

73.6 % 48.3-152

11/13/2017

11/13/2017 21:04

EPA 8270D

Surrogate: Nitrobenzene-d5

89.2 % 72-126

11/13/2017

11/13/2017 21:04

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.9	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-005N-2-2.5

A174115-14 (Soil)

Date Sampled
07/13/2017 15:02

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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
2,4,6-Trinitrotoluene	250	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:12	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	65.9 %	48.3-152	11/13/2017	11/14/2017 02:12	EPA 8270D
Surrogate: Nitrobenzene-d5	87.1 %	72-126	11/13/2017	11/14/2017 02:12	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.6	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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2525 Advance Road
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AECOM
 500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170713-005S-1.5-2

A174115-15 (Soil)

Date Sampled
 07/13/2017 15:04

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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 02:38	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	69.7 %	48.3-152	11/13/2017	11/14/2017 02:38	EPA 8270D
Surrogate: Nitrobenzene-d5	90.6 %	72-126	11/13/2017	11/14/2017 02:38	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.5	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170713-005Z-1-3.5

A174115-16 (Soil)

Date Sampled
07/13/2017 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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
2,4,6-Trinitrotoluene	510	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	210	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:03	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

73.8 % 48.3-152

11/13/2017 11/14/2017 03:03

EPA 8270D

Surrogate: Nitrobenzene-d5

90.3 % 72-126

11/13/2017 11/14/2017 03:03

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.8	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-006C-3.5-4

A174115-17 (Soil)

Date Sampled
07/14/2017 16:10

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	210	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:29	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		70.8 %		48.3-152	11/13/2017	11/14/2017 03:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.1 %		72-126	11/13/2017	11/14/2017 03:29	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	100	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-006N-2.5-3

A174115-18 (Soil)

Date Sampled
07/14/2017 16:12

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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 03:54	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	66.3 %	48.3-152	11/13/2017	11/14/2017 03:54	EPA 8270D
Surrogate: Nitrobenzene-d5	86.6 %	72-126	11/13/2017	11/14/2017 03:54	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	100	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-006S-2.5-3

A174115-19 (Soil)

Date Sampled
07/14/2017 16:14

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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:20	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 65.7 % 48.3-152 11/13/2017 11/14/2017 04:20 EPA 8270D

Surrogate: Nitrobenzene-d5 86.8 % 72-126 11/13/2017 11/14/2017 04:20 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	99.9	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-006Z-1-4

Date Sampled
07/14/2017 16:16

A174115-20 (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: A711039

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/13/2017	11/14/2017 04:45	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	69.7 %	48.3-152	11/13/2017	11/14/2017 04:45	EPA 8270D
Surrogate: Nitrobenzene-d5	88.3 %	72-126	11/13/2017	11/14/2017 04:45	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711041

% Solids	100	0.00	% by Weight	1	11/13/2017	11/14/2017 08:55	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-007C-4-4.5

A174115-21 (Soil)

Date Sampled
07/14/2017 16:24

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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.9 %		48.3-152	11/17/2017	11/17/2017 19:39	EPA 8270D	
Surrogate: Nitrobenzene-d5		82.7 %		72-126	11/17/2017	11/17/2017 19:39	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.9	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-007N-2-2.5

A174115-22 (Soil)

Date Sampled
07/14/2017 16:22

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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:01	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	56.1 %	48.3-152	11/17/2017	11/17/2017 17:01	EPA 8270D
Surrogate: Nitrobenzene-d5	85.6 %	72-126	11/17/2017	11/17/2017 17:01	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.8	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-007S-3-3.5

A174115-23 (Soil)

Date Sampled
07/14/2017 16:20

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:28	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 52.3 % 48.3-152 11/17/2017 11/17/2017 17:28 EPA 8270D

Surrogate: Nitrobenzene-d5 87.1 % 72-126 11/17/2017 11/17/2017 17:28 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.8	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-007Z-1-4.5

A174115-24 (Soil)

Date Sampled
07/14/2017 16:18

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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 17:54	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 56.4 % 48.3-152 11/17/2017 11/17/2017 17:54 EPA 8270D

Surrogate: Nitrobenzene-d5 84.1 % 72-126 11/17/2017 11/17/2017 17:54 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.7	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-008C-3.5-4

A174115-25 (Soil)

Date Sampled
07/14/2017 16:28

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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		53.9 %		48.3-152	11/17/2017	11/17/2017 18:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.9 %		72-126	11/17/2017	11/17/2017 18:20	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.7	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-008N-3-3.5

A174115-26 (Soil)

Date Sampled
07/14/2017 16:32

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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
2,4,6-Trinitrotoluene	460	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 18:46	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

53.9 % 48.3-152

11/17/2017

11/17/2017 18:46

EPA 8270D

Surrogate: Nitrobenzene-d5

80.5 % 72-126

11/17/2017

11/17/2017 18:46

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.7	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170714-008S-1.5-2

A174115-27 (Soil)

Date Sampled
07/14/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
2,4,6-Trinitrotoluene	500	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 19:12	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

57.5 % 48.3-152

11/17/2017

11/17/2017 19:12

EPA 8270D

Surrogate: Nitrobenzene-d5

83.8 % 72-126

11/17/2017

11/17/2017 19:12

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.6	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170714-008Z-1-4

A174115-28 (Soil)

Date Sampled
07/14/2017 16:30

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
2,4,6-Trinitrotoluene	340	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:08	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

64.8 % 48.3-152

11/17/2017

11/17/2017 23:08

EPA 8270D

Surrogate: Nitrobenzene-d5

85.8 % 72-126

11/17/2017

11/17/2017 23:08

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.2	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170717-009C-2.5-3

A174115-29 (Soil)

Date Sampled
07/17/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/17/2017 23:35	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl		56.9 %	48.3-152		11/17/2017	11/17/2017 23:35	EPA 8270D
Surrogate: Nitrobenzene-d5		85.3 %	72-126		11/17/2017	11/17/2017 23:35	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.5	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170717-009N-2-2.5

A174115-30 (Soil)

Date Sampled
07/17/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:01	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 88.7 % 48.3-152 11/17/2017 11/18/2017 00:01 EPA 8270D

Surrogate: Nitrobenzene-d5 85.1 % 72-126 11/17/2017 11/18/2017 00:01 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.7	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170717-009S-1.5-2

A174115-31 (Soil)

Date Sampled
07/17/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:27	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

64.3 % 48.3-152

11/17/2017

11/18/2017 00:27

EPA 8270D

Surrogate: Nitrobenzene-d5

83.5 % 72-126

11/17/2017

11/18/2017 00:27

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.5	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170717-009Z-1-3

A174115-32 (Soil)

Date Sampled
07/17/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 00:53	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

65.8 % 48.3-152

11/17/2017

11/18/2017 00:53

EPA 8270D

Surrogate: Nitrobenzene-d5

83.5 % 72-126

11/17/2017

11/18/2017 00:53

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	99.2	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170720-011Z-0-0.5

A174115-33 (Soil)

Date Sampled
07/20/2017 14:04

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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
2,4,6-Trinitrotoluene	17000	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	550	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1000	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:19	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		87.7 %	48.3-152		11/17/2017	11/18/2017 01:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.8 %	72-126		11/17/2017	11/18/2017 01:19	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.4	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170720-012Z-0-0.5

A174115-34 (Soil)

Date Sampled
07/20/2017 14:09

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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
2,4,6-Trinitrotoluene	1100	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	290	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	380	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 01:46	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

78.5 % 48.3-152

11/17/2017

11/18/2017 01:46

EPA 8270D

Surrogate: Nitrobenzene-d5

86.8 % 72-126

11/17/2017

11/18/2017 01:46

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.3	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170720-013Z-0-0.5

A174115-35 (Soil)

Date Sampled
07/20/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
2,4,6-Trinitrotoluene	1200	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	260	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:12	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

72.7 % 48.3-152

11/17/2017 11/18/2017 02:12

EPA 8270D

Surrogate: Nitrobenzene-d5

84.6 % 72-126

11/17/2017 11/18/2017 02:12

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.2	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170720-014Z-0-0.5

A174115-36 (Soil)

Date Sampled
07/20/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
2,4,6-Trinitrotoluene	470	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	260	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	310	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 02:38	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		76.3 %		48.3-152	11/17/2017	11/18/2017 02:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.8 %		72-126	11/17/2017	11/18/2017 02:38	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.4	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170720-015Z-0-0.5

A174115-37 (Soil)

Date Sampled
07/20/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
2,4,6-Trinitrotoluene	440	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 03:04	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		72.8 %		48.3-152	11/17/2017	11/18/2017 03:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.3 %		72-126	11/17/2017	11/18/2017 03:04	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.2	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170822-018Z-1-5

A174115-38 (Soil)

Date Sampled
08/22/2017 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: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
2,4,6-Trinitrotoluene	290	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 05:41	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl		62.8 %	48.3-152		11/17/2017	11/18/2017 05:41	EPA 8270D
Surrogate: Nitrobenzene-d5		81.7 %	72-126		11/17/2017	11/18/2017 05:41	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.7	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B
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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170822-019Z-1-5

A174115-39 (Soil)

Date Sampled
08/22/2017 15:10

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
2,4,6-Trinitrotoluene	990	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:08	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		112 %		48.3-152	11/17/2017	11/18/2017 06:08	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.1 %		72-126	11/17/2017	11/18/2017 06:08	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.4	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170822-020Z-1-5

A174115-40 (Soil)

Date Sampled
08/22/2017 15:20

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711055

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
2,4,6-Trinitrotoluene	4700	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	310	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	440	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/18/2017 06:34	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

94.6 % 48.3-152

11/17/2017 11/18/2017 06:34

EPA 8270D

Surrogate: Nitrobenzene-d5

88.2 % 72-126

11/17/2017 11/18/2017 06:34

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711049

% Solids	98.5	0.00	% by Weight	1	11/14/2017	11/15/2017 09:57	SM 2540B	
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2525 Advance Road
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-021N-3

A174115-41 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	11/16/2017	11/17/2017 18:37	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 46.4 % 48.3-152 11/16/2017 11/17/2017 18:37 EPA 8270D S

Surrogate: Nitrobenzene-d5 82.6 % 72-126 11/16/2017 11/17/2017 18:37 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	97.0	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-021NW-3.5

A174115-42 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 20:45	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 51.3 % 48.3-152 11/16/2017 11/17/2017 20:45 EPA 8270D

Surrogate: Nitrobenzene-d5 84.0 % 72-126 11/16/2017 11/17/2017 20:45 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	98.0	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-021S-3

A174115-43 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
2,4,6-Trinitrotoluene	240	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:11	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

51.8 % 48.3-152

11/16/2017

11/17/2017 21:11

EPA 8270D

Surrogate: Nitrobenzene-d5

84.4 % 72-126

11/16/2017

11/17/2017 21:11

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	98.3	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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2525 Advance Road
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AECOM
 500 West Jefferson St, Ste 1600
 Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170823-021Z-3-5.5

A174115-44 (Soil)

Date Sampled
08/23/2017 09:19

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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 21:36	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl		56.3 %	48.3-152		11/16/2017	11/17/2017 21:36	EPA 8270D
Surrogate: Nitrobenzene-d5		87.9 %	72-126		11/16/2017	11/17/2017 21:36	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.2	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-021SW-3.5

A174115-45 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
2,4,6-Trinitrotoluene	1400	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	260	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:02	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		78.9 %		48.3-152	11/16/2017	11/17/2017 22:02	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.5 %		72-126	11/16/2017	11/17/2017 22:02	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	98.2	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-021C-5.5

A174115-46 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/17/2017 22:28	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

63.0 % 48.3-152

11/16/2017 11/17/2017 22:28

EPA 8270D

Surrogate: Nitrobenzene-d5

92.9 % 72-126

11/16/2017 11/17/2017 22:28

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.4	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-022S-2.5

A174115-47 (Soil)

Date Sampled

08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 01:54	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		66.3 %	48.3-152		11/16/2017	11/18/2017 01:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.7 %	72-126		11/16/2017	11/18/2017 01:54	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	97.8	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-022N-5

A174115-48 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	240	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		69.8 %		48.3-152	11/16/2017	11/18/2017 02:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		90.8 %		72-126	11/16/2017	11/18/2017 02:20	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.5	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-022C-5

A174115-49 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	230	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 02:45	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.9 %		48.3-152	11/16/2017	11/18/2017 02:45	EPA 8270D	
Surrogate: Nitrobenzene-d5		93.6 %		72-126	11/16/2017	11/18/2017 02:45	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.6	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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2525 Advance Road
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-022Z-2.5-5

A174115-50 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:11	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

66.9 % 48.3-152

11/16/2017 11/18/2017 03:11

EPA 8270D

Surrogate: Nitrobenzene-d5

97.5 % 72-126

11/16/2017 11/18/2017 03:11

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.6	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-023S-2.5

A174115-51 (Soil)

Date Sampled
08/23/2017 09:15

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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 03:37	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 66.2 % 48.3-152 11/16/2017 11/18/2017 03:37 EPA 8270D

Surrogate: Nitrobenzene-d5 96.7 % 72-126 11/16/2017 11/18/2017 03:37 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.2	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-023C-5

A174115-52 (Soil)

Date Sampled
08/23/2017 09:25

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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,3,5-Trinitrobenzene	720	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
2,4,6-Trinitrotoluene	370	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	280	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
3,5-Dinitroaniline	230	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	260	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 04:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.2 %		48.3-152	11/16/2017	11/18/2017 04:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.2 %		72-126	11/16/2017	11/18/2017 04:03	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.2	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-023N-5

A174115-53 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,3,5-Trinitrobenzene	240	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
2,4,6-Trinitrotoluene	320	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	260	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 05:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		64.3 %		48.3-152	11/16/2017	11/18/2017 05:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.2 %		72-126	11/16/2017	11/18/2017 05:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	98.0	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-023Z-2.5-5

A174115-54 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,3,5-Trinitrobenzene	250	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
2,4,6-Trinitrotoluene	3800	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	270	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
3,5-Dinitroaniline	220	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	290	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		75.8 %	48.3-152		11/16/2017	11/18/2017 06:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.4 %	72-126		11/16/2017	11/18/2017 06:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	98.9	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-024Z-5.5-8

A174115-55 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 06:37	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 60.4 % 48.3-152 11/16/2017 11/18/2017 06:37 EPA 8270D

Surrogate: Nitrobenzene-d5 97.5 % 72-126 11/16/2017 11/18/2017 06:37 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.8	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-025Z-5.5-8

A174115-56 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:03	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 66.2 % 48.3-152 11/16/2017 11/18/2017 07:03 EPA 8270D

Surrogate: Nitrobenzene-d5 92.6 % 72-126 11/16/2017 11/18/2017 07:03 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.8	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170823-026Z-5.5-8

A174115-57 (Soil)

Date Sampled
08/23/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,3,5-Trinitrobenzene	260	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
2,4,6-Trinitrotoluene	230	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	240	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:29	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.6 %		48.3-152	11/16/2017	11/18/2017 07:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.4 %		72-126	11/16/2017	11/18/2017 07:29	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.7	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170824-027Z-0-4

A174115-58 (Soil)

Date Sampled
08/24/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 07:55	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

67.0 % 48.3-152

11/16/2017

11/18/2017 07:55

EPA 8270D

Surrogate: Nitrobenzene-d5

95.1 % 72-126

11/16/2017

11/18/2017 07:55

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.4	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170824-028Z-0-4

A174115-59 (Soil)

Date Sampled
08/24/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:20	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

62.2 % 48.3-152

11/16/2017

11/18/2017 08:20

EPA 8270D

Surrogate: Nitrobenzene-d5

95.7 % 72-126

11/16/2017

11/18/2017 08:20

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.7	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170824-029Z-0-4

A174115-60 (Soil)

Date Sampled
08/24/2017 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: A711052

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/16/2017	11/18/2017 08:46	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 61.8 % 48.3-152 11/16/2017 11/18/2017 08:46 EPA 8270D

Surrogate: Nitrobenzene-d5 96.4 % 72-126 11/16/2017 11/18/2017 08:46 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711053

% Solids	99.6	0.00	% by Weight	1	11/16/2017	11/17/2017 11:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170824-030Z-0-4

A174115-61 (Soil)

Date Sampled
08/24/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 21:10	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 55.5 % 48.3-152 11/20/2017 11/20/2017 21:10 EPA 8270D

Surrogate: Nitrobenzene-d5 83.5 % 72-126 11/20/2017 11/20/2017 21:10 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170824-031Z-0-5

A174115-62 (Soil)

Date Sampled
08/24/2017 15:15

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 18:59	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

67.3 % 48.3-152

11/20/2017 11/20/2017 18:59

EPA 8270D

Surrogate: Nitrobenzene-d5

87.7 % 72-126

11/20/2017 11/20/2017 18:59

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.3	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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2525 Advance Road
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AECOM
 500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170824-032Z-0-5

A174115-63 (Soil)

Date Sampled
 08/24/2017 15:20

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:25	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

62.0 % 48.3-152

11/20/2017 11/20/2017 19:25

EPA 8270D

Surrogate: Nitrobenzene-d5

87.1 % 72-126

11/20/2017 11/20/2017 19:25

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170824-033Z-0-5

A174115-64 (Soil)

Date Sampled
08/24/2017 15:25

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 19:51	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 59.7 % 48.3-152 11/20/2017 11/20/2017 19:51 EPA 8270D

Surrogate: Nitrobenzene-d5 85.8 % 72-126 11/20/2017 11/20/2017 19:51 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.5	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-034C-5

A174115-65 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:17	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 56.5 % 48.3-152 11/20/2017 11/20/2017 20:17 EPA 8270D

Surrogate: Nitrobenzene-d5 85.2 % 72-126 11/20/2017 11/20/2017 20:17 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.6	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-034Z-0-5

A174115-66 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/20/2017 20:44	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl		56.5 %	48.3-152		11/20/2017	11/20/2017 20:44	EPA 8270D
Surrogate: Nitrobenzene-d5		83.7 %	72-126		11/20/2017	11/20/2017 20:44	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B
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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-034E-2

A174115-67 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 00:39	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 84.1 % 48.3-152 11/20/2017 11/21/2017 00:39 EPA 8270D

Surrogate: Nitrobenzene-d5 86.9 % 72-126 11/20/2017 11/21/2017 00:39 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.5	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-034W-2

Date Sampled
08/25/2017 08:55

A174115-68 (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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:05	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 81.8 % 48.3-152 11/20/2017 11/21/2017 01:05 EPA 8270D

Surrogate: Nitrobenzene-d5 85.7 % 72-126 11/20/2017 11/21/2017 01:05 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-035C-5

A174115-69 (Soil)

Date Sampled
08/25/2017 09:15

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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:31	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 57.8 % 48.3-152 11/20/2017 11/21/2017 01:31 EPA 8270D

Surrogate: Nitrobenzene-d5 85.9 % 72-126 11/20/2017 11/21/2017 01:31 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Madison, WI 53718
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-035W-2

A174115-70 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 01:57	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 57.6 % 48.3-152 11/20/2017 11/21/2017 01:57 EPA 8270D

Surrogate: Nitrobenzene-d5 83.1 % 72-126 11/20/2017 11/21/2017 01:57 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-035E-3

A174115-71 (Soil)

Date Sampled
08/25/2017 09:25

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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:23	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 59.1 % 48.3-152 11/20/2017 11/21/2017 02:23 EPA 8270D

Surrogate: Nitrobenzene-d5 84.6 % 72-126 11/20/2017 11/21/2017 02:23 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.6	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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2525 Advance Road
 Madison, WI 53718
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AECOM
 500 West Jefferson St, Ste 1600
 Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170825-035Z-0-5

Date Sampled
08/25/2017 09:30

A174115-72 (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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 02:49	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 53.8 % 48.3-152 11/20/2017 11/21/2017 02:49 EPA 8270D

Surrogate: Nitrobenzene-d5 84.9 % 72-126 11/20/2017 11/21/2017 02:49 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.6	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-036C-4

A174115-73 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:15	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

52.9 % 48.3-152

11/20/2017 11/21/2017 03:15

EPA 8270D

Surrogate: Nitrobenzene-d5

82.7 % 72-126

11/20/2017 11/21/2017 03:15

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.6	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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2525 Advance Road
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-036Z-0-4

A174115-74 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 03:42	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 52.8 % 48.3-152 11/20/2017 11/21/2017 03:42 EPA 8270D

Surrogate: Nitrobenzene-d5 82.7 % 72-126 11/20/2017 11/21/2017 03:42 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.6	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-036E-2

A174115-75 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:08	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 56.5 % 48.3-152 11/20/2017 11/21/2017 04:08 EPA 8270D

Surrogate: Nitrobenzene-d5 85.4 % 72-126 11/20/2017 11/21/2017 04:08 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-036W-2

Date Sampled
08/25/2017 09:55

A174115-76 (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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 04:34	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 53.9 % 48.3-152 11/20/2017 11/21/2017 04:34 EPA 8270D

Surrogate: Nitrobenzene-d5 83.3 % 72-126 11/20/2017 11/21/2017 04:34 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.5	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-037C-4

A174115-77 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 06:45	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	63.3 %	48.3-152	11/20/2017	11/21/2017 06:45	EPA 8270D
Surrogate: Nitrobenzene-d5	83.8 %	72-126	11/20/2017	11/21/2017 06:45	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.6	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-037Z-0-4

A174115-78 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:11	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

63.1 % 48.3-152

11/20/2017

11/21/2017 07:11

EPA 8270D

Surrogate: Nitrobenzene-d5

84.2 % 72-126

11/20/2017

11/21/2017 07:11

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.5	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-037E-2

A174115-79 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 07:37	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 60.3 % 48.3-152 11/20/2017 11/21/2017 07:37 EPA 8270D

Surrogate: Nitrobenzene-d5 83.7 % 72-126 11/20/2017 11/21/2017 07:37 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.7	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-037W-3

A174115-80 (Soil)

Date Sampled
08/25/2017 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: A711066

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/20/2017	11/21/2017 08:03	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 60.1 % 48.3-152 11/20/2017 11/21/2017 08:03 EPA 8270D

Surrogate: Nitrobenzene-d5 84.5 % 72-126 11/20/2017 11/21/2017 08:03 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711067

% Solids	99.5	0.00	% by Weight	1	11/20/2017	11/22/2017 12:22	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-038C-4.5

A174115-81 (Soil)

Date Sampled
08/25/2017 13:40

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:28	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl		57.5 %	48.3-152		11/17/2017	11/27/2017 18:28	EPA 8270D
Surrogate: Nitrobenzene-d5		87.3 %	72-126		11/17/2017	11/27/2017 18:28	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.6	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B
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2525 Advance Road
Madison, WI 53718
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-038Z-0-4.5

A174115-82 (Soil)

Date Sampled
08/25/2017 13:42

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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
2,4-Dinitrotoluene	230	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 18:53	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

55.7 % 48.3-152

11/17/2017 11/27/2017 18:53

EPA 8270D

Surrogate: Nitrobenzene-d5

84.8 % 72-126

11/17/2017 11/27/2017 18:53

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.3	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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2525 Advance Road
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-038E-2

A174115-83 (Soil)

Date Sampled
08/25/2017 13:44

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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:19	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

53.2 % 48.3-152

11/17/2017 11/27/2017 19:19

EPA 8270D

Surrogate: Nitrobenzene-d5

89.4 % 72-126

11/17/2017 11/27/2017 19:19

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.2	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-038W-2

A174115-84 (Soil)

Date Sampled
08/25/2017 13:46

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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 19:45	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

48.5 % 48.3-152

11/17/2017 11/27/2017 19:45

EPA 8270D

Surrogate: Nitrobenzene-d5

85.1 % 72-126

11/17/2017 11/27/2017 19:45

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.2	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-039C-4

A174115-85 (Soil)

Date Sampled
08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	M
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:36	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

51.7 % 48.3-152

11/17/2017

11/27/2017 20:36

EPA 8270D

Surrogate: Nitrobenzene-d5

87.8 % 72-126

11/17/2017

11/27/2017 20:36

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.7	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170825-039Z-0-4

Date Sampled
 08/25/2017 13:36

A174115-86 (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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/27/2017 20:11	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

48.9 % 48.3-152

11/17/2017 11/27/2017 20:11

EPA 8270D

Surrogate: Nitrobenzene-d5

84.7 % 72-126

11/17/2017 11/27/2017 20:11

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.6	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-039E-1

A174115-87 (Soil)

Date Sampled
08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:03	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 51.7 % 48.3-152 11/17/2017 11/28/2017 00:03 EPA 8270D

Surrogate: Nitrobenzene-d5 88.9 % 72-126 11/17/2017 11/28/2017 00:03 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.5	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170825-039W-1

A174115-88 (Soil)

Date Sampled
08/25/2017 13:32

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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:28	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

56.6 % 48.3-152

11/17/2017

11/28/2017 00:28

EPA 8270D

Surrogate: Nitrobenzene-d5

88.9 % 72-126

11/17/2017

11/28/2017 00:28

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.8	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-040C-5

A174115-89 (Soil)

Date Sampled
08/25/2017 13:38

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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 00:54	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 55.5 % 48.3-152 11/17/2017 11/28/2017 00:54 EPA 8270D

Surrogate: Nitrobenzene-d5 87.4 % 72-126 11/17/2017 11/28/2017 00:54 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.7	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-040Z-0-5

A174115-90 (Soil)

Date Sampled
08/25/2017 13:40

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:20	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

60.0 % 48.3-152

11/17/2017 11/28/2017 01:20

EPA 8270D

Surrogate: Nitrobenzene-d5

87.0 % 72-126

11/17/2017 11/28/2017 01:20

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.5	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-040E-3

A174115-91 (Soil)

Date Sampled
08/25/2017 13:42

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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 01:46	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl		46.7 %	48.3-152		11/17/2017	11/28/2017 01:46	EPA 8270D	S
Surrogate: Nitrobenzene-d5		86.3 %	72-126		11/17/2017	11/28/2017 01:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.6	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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2525 Advance Road
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-040W-3

A174115-92 (Soil)

Date Sampled
08/25/2017 13:44

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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:11	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 58.4 % 48.3-152 11/17/2017 11/28/2017 02:11 EPA 8270D

Surrogate: Nitrobenzene-d5 88.0 % 72-126 11/17/2017 11/28/2017 02:11 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.6	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-041Z-0-5

A174115-93 (Soil)

Date Sampled
08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 02:37	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 51.5 % 48.3-152 11/17/2017 11/28/2017 02:37 EPA 8270D

Surrogate: Nitrobenzene-d5 88.4 % 72-126 11/17/2017 11/28/2017 02:37 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.5	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-042Z-0-5

Date Sampled
08/25/2017 14:12

A174115-94 (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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:03	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

59.0 % 48.3-152

11/17/2017

11/28/2017 03:03

EPA 8270D

Surrogate: Nitrobenzene-d5

86.3 % 72-126

11/17/2017

11/28/2017 03:03

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.7	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-043Z-0-5

A174115-95 (Soil)

Date Sampled
08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:28	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 57.2 % 48.3-152 11/17/2017 11/28/2017 03:28 EPA 8270D

Surrogate: Nitrobenzene-d5 88.2 % 72-126 11/17/2017 11/28/2017 03:28 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.5	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-044C-5

A174115-96 (Soil)

Date Sampled
08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 03:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.5 %	48.3-152		11/17/2017	11/28/2017 03:54	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.6 %	72-126		11/17/2017	11/28/2017 03:54	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.6	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-044Z-0-5

A174115-97 (Soil)

Date Sampled
08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:03	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 57.3 % 48.3-152 11/17/2017 11/28/2017 06:03 EPA 8270D

Surrogate: Nitrobenzene-d5 89.4 % 72-126 11/17/2017 11/28/2017 06:03 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.8	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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2525 Advance Road
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AECOM
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170825-044E-3

A174115-98 (Soil)

Date Sampled
 08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:29	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

62.0 % 48.3-152

11/17/2017 11/28/2017 06:29

EPA 8270D

Surrogate: Nitrobenzene-d5

86.5 % 72-126

11/17/2017 11/28/2017 06:29

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.8	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-044W-3

Date Sampled
08/25/2017 14:26

A174115-99 (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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 06:55	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 54.6 % 48.3-152 11/17/2017 11/28/2017 06:55 EPA 8270D

Surrogate: Nitrobenzene-d5 89.4 % 72-126 11/17/2017 11/28/2017 06:55 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.7	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-045C-4.5

A174115-AA (Soil)

Date Sampled
08/25/2017 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: A711056

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
2,4,6-Trinitrotoluene	250	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/17/2017	11/28/2017 07:20	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	60.7 %	48.3-152	11/17/2017	11/28/2017 07:20	EPA 8270D
Surrogate: Nitrobenzene-d5	87.7 %	72-126	11/17/2017	11/28/2017 07:20	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711057

% Solids	99.6	0.00	% by Weight	1	11/17/2017	11/19/2017 11:30	SM 2540B	
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2525 Advance Road
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-045Z-0-4.5

A174115-AB (Soil)

Date Sampled
08/25/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:56	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

49.0 % 48.3-152

11/21/2017

11/21/2017 13:56

EPA 8270D

Surrogate: Nitrobenzene-d5

81.5 % 72-126

11/21/2017

11/21/2017 13:56

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-045E-2

A174115-AC (Soil)

Date Sampled
08/25/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 11:46	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl		47.2 %	48.3-152		11/21/2017	11/21/2017 11:46	EPA 8270D	S
Surrogate: Nitrobenzene-d5		81.9 %	72-126		11/21/2017	11/21/2017 11:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-045W-2

Date Sampled
08/25/2017 14:36

A174115-AD (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:12	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

47.8 % 48.3-152

11/21/2017 11/21/2017 12:12

EPA 8270D

S

Surrogate: Nitrobenzene-d5

79.4 % 72-126

11/21/2017 11/21/2017 12:12

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-046C-4

A174115-AE (Soil)

Date Sampled
08/25/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 17:50	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

57.6 % 48.3-152

11/21/2017

11/21/2017 17:50

EPA 8270D

Surrogate: Nitrobenzene-d5

85.3 % 72-126

11/21/2017

11/21/2017 17:50

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-046Z-0-4

Date Sampled
08/25/2017 14:46

A174115-AF (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 12:38	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 47.4 % 48.3-152 11/21/2017 11/21/2017 12:38 EPA 8270D S

Surrogate: Nitrobenzene-d5 80.5 % 72-126 11/21/2017 11/21/2017 12:38 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.6	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-046E-1.5

Date Sampled
08/25/2017 14:40

A174115-AG (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:04	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 44.9 % 48.3-152 11/21/2017 11/21/2017 13:04 EPA 8270D S

Surrogate: Nitrobenzene-d5 79.3 % 72-126 11/21/2017 11/21/2017 13:04 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.5	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-046W-1.5

A174115-AH (Soil)

Date Sampled
08/25/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:30	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

50.6 % 48.3-152

11/21/2017 11/21/2017 13:30

EPA 8270D

Surrogate: Nitrobenzene-d5

81.8 % 72-126

11/21/2017 11/21/2017 13:30

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.9	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170825-047C-4

A174115-AI (Soil)

Date Sampled
 08/25/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:16	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 56.2 % 48.3-152 11/21/2017 11/21/2017 18:16 EPA 8270D

Surrogate: Nitrobenzene-d5 83.7 % 72-126 11/21/2017 11/21/2017 18:16 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.5	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-047Z-0-4

A174115-AJ (Soil)

Date Sampled
08/25/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 18:42	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

53.1 % 48.3-152

11/21/2017

11/21/2017 18:42

EPA 8270D

Surrogate: Nitrobenzene-d5

81.6 % 72-126

11/21/2017

11/21/2017 18:42

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-047E-2

A174115-AK (Soil)

Date Sampled
08/25/2017 14:52

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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:08	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

52.2 % 48.3-152

11/21/2017

11/21/2017 19:08

EPA 8270D

Surrogate: Nitrobenzene-d5

81.5 % 72-126

11/21/2017

11/21/2017 19:08

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-047W-2

Date Sampled
08/25/2017 14:54

A174115-AL (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 19:34	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

53.0 % 48.3-152

11/21/2017

11/21/2017 19:34

EPA 8270D

Surrogate: Nitrobenzene-d5

82.6 % 72-126

11/21/2017

11/21/2017 19:34

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-048Z-0-4

Date Sampled
08/25/2017 14:58

A174115-AM (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:00	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

52.2 % 48.3-152

11/21/2017

11/21/2017 20:00

EPA 8270D

Surrogate: Nitrobenzene-d5

81.9 % 72-126

11/21/2017

11/21/2017 20:00

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-049Z-0-4

Date Sampled
08/25/2017 14:59

A174115-AN (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:26	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

52.0 % 48.3-152

11/21/2017

11/21/2017 20:26

EPA 8270D

Surrogate: Nitrobenzene-d5

82.8 % 72-126

11/21/2017

11/21/2017 20:26

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-050Z-0-4

Date Sampled
08/25/2017 15:00

A174115-AO (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:52	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

48.4 % 48.3-152

11/21/2017

11/21/2017 20:52

EPA 8270D

Surrogate: Nitrobenzene-d5

80.8 % 72-126

11/21/2017

11/21/2017 20:52

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-051Z-0-4

Date Sampled
08/25/2017 15:01

A174115-AP (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:18	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

50.8 % 48.3-152

11/21/2017

11/21/2017 21:18

EPA 8270D

Surrogate: Nitrobenzene-d5

82.7 % 72-126

11/21/2017

11/21/2017 21:18

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.6	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170829-053Z-0-4

A174115-AQ (Soil)

Date Sampled
08/29/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:44	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

50.1 % 48.3-152

11/21/2017

11/21/2017 21:44

EPA 8270D

Surrogate: Nitrobenzene-d5

82.9 % 72-126

11/21/2017

11/21/2017 21:44

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170829-053C-4

A174115-AR (Soil)

Date Sampled
 08/29/2017 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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:00	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

60.0 % 48.3-152

11/21/2017

11/21/2017 13:00

EPA 8270D

Surrogate: Nitrobenzene-d5

97.1 % 72-126

11/21/2017

11/21/2017 13:00

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170829-053E-2-2.5

Date Sampled
08/29/2017 14:34

A174115-AS (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:25	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 56.2 % 48.3-152 11/21/2017 11/21/2017 13:25 EPA 8270D

Surrogate: Nitrobenzene-d5 96.9 % 72-126 11/21/2017 11/21/2017 13:25 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.5	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170829-053W-2-2.5

Date Sampled
08/29/2017 14:32

A174115-AT (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 13:51	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 60.3 % 48.3-152 11/21/2017 11/21/2017 13:51 EPA 8270D

Surrogate: Nitrobenzene-d5 94.3 % 72-126 11/21/2017 11/21/2017 13:51 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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2525 Advance Road
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170829-054Z-0-4

Date Sampled
08/29/2017 14:40

A174115-AU (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: A711069

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 14:16	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 57.6 % 48.3-152 11/21/2017 11/21/2017 14:16 EPA 8270D

Surrogate: Nitrobenzene-d5 92.5 % 72-126 11/21/2017 11/21/2017 14:16 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711070

% Solids	98.9	0.00	% by Weight	1	11/21/2017	11/22/2017 12:16	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-055C-6-6.5

A174115-AV (Soil)

Date Sampled
09/20/2017 11:37

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		54.0 %		48.3-152	11/21/2017	11/22/2017 03:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.0 %		72-126	11/21/2017	11/22/2017 03:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-055Z-6-6.5

A174115-AW (Soil)

Date Sampled
09/20/2017 11:37

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 20:46	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

49.5 % 48.3-152

11/21/2017

11/21/2017 20:46

EPA 8270D

Surrogate: Nitrobenzene-d5

88.6 % 72-126

11/21/2017

11/21/2017 20:46

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.9	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-056C-6-6.5

A174115-AX (Soil)

Date Sampled
09/20/2017 11:26

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
2,4,6-Trinitrotoluene	200	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:12	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.7 %	48.3-152		11/21/2017	11/21/2017 21:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.9 %	72-126		11/21/2017	11/21/2017 21:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.9	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-056Z-6-6.5

A174115-AY (Soil)

Date Sampled
09/20/2017 11:26

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 21:37	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.9 %		48.3-152	11/21/2017	11/21/2017 21:37	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.6 %		72-126	11/21/2017	11/21/2017 21:37	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.9	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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2525 Advance Road
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AECOM
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Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-057C-6-6.5

A174115-AZ (Soil)

Date Sampled
09/20/2017 11:38

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,3,5-Trinitrobenzene	210	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:03	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		51.1 %		48.3-152	11/21/2017	11/21/2017 22:03	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.0 %		72-126	11/21/2017	11/21/2017 22:03	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.9	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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2525 Advance Road
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-057Z-6-6.5

A174115-BA (Soil)

Date Sampled
09/20/2017 11:38

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
2,4,6-Trinitrotoluene	440	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
2-Amino-4,6-dinitrotoluene	240	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
4-Amino-2,6-dinitrotoluene	250	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:29	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		54.3 %		48.3-152	11/21/2017	11/21/2017 22:29	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.2 %		72-126	11/21/2017	11/21/2017 22:29	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-058C-6-6.5

A174115-BB (Soil)

Date Sampled
09/20/2017 11:41

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/21/2017 22:54	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 44.1 % 48.3-152 11/21/2017 11/21/2017 22:54 EPA 8270D S

Surrogate: Nitrobenzene-d5 82.3 % 72-126 11/21/2017 11/21/2017 22:54 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-058Z-6-6.5

A174115-BC (Soil)

Date Sampled
09/20/2017 11:41

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
2,4,6-Trinitrotoluene	300	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:28	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		55.1 %		48.3-152	11/21/2017	11/22/2017 01:28	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.2 %		72-126	11/21/2017	11/22/2017 01:28	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.6	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-059C-6-6.5

A174115-BD (Soil)

Date Sampled
09/20/2017 11:55

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 01:53	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

52.6 % 48.3-152

11/21/2017

11/22/2017 01:53

EPA 8270D

Surrogate: Nitrobenzene-d5

85.8 % 72-126

11/21/2017

11/22/2017 01:53

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-059Z-7.5-8

A174115-BE (Soil)

Date Sampled
09/20/2017 11:57

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
2,4,6-Trinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:19	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		48.5 %		48.3-152	11/21/2017	11/22/2017 02:19	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		72-126	11/21/2017	11/22/2017 02:19	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-060C-7.5-8

A174115-BF (Soil)

Date Sampled
09/20/2017 11:39

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 02:44	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		55.5 %		48.3-152	11/21/2017	11/22/2017 02:44	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		72-126	11/21/2017	11/22/2017 02:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-060Z-7.5-8

A174115-BG (Soil)

Date Sampled
09/20/2017 11:41

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
2,4,6-Trinitrotoluene	280	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 03:10	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		53.4 %		48.3-152	11/21/2017	11/22/2017 03:10	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.5 %		72-126	11/21/2017	11/22/2017 03:10	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-061C-5-5.5

A174115-BH (Soil)

Date Sampled
09/20/2017 11:44

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 06:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		55.0 %		48.3-152	11/21/2017	11/22/2017 06:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.1 %		72-126	11/21/2017	11/22/2017 06:34	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-061Z-4-6

A174115-BI (Soil)

Date Sampled
09/20/2017 11:46

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,3,5-Trinitrobenzene	210	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
2,4,6-Trinitrotoluene	210	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	240	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		60.7 %		48.3-152	11/21/2017	11/22/2017 07:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.4 %		72-126	11/21/2017	11/22/2017 07:00	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-062Z-8-8.5

A174115-BJ (Soil)

Date Sampled
09/20/2017 11:37

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
2,4,6-Trinitrotoluene	430	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	270	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:25	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		65.9 %		48.3-152	11/21/2017	11/22/2017 07:25	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.4 %		72-126	11/21/2017	11/22/2017 07:25	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-063C-6-7

Date Sampled
09/20/2017 15:15

A174115-BK (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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
2,4,6-Trinitrotoluene	200	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 07:51	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		55.2 %		48.3-152	11/21/2017	11/22/2017 07:51	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.6 %		72-126	11/21/2017	11/22/2017 07:51	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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AECOM
500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-063Z-6-7

Date Sampled
09/20/2017 15:17

A174115-BL (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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
2,4,6-Trinitrotoluene	290	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	240	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:17	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		56.4 %		48.3-152	11/21/2017	11/22/2017 08:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.7 %		72-126	11/21/2017	11/22/2017 08:17	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-064C-7-7.5

A174115-BM (Soil)

Date Sampled
09/20/2017 11:31

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 08:42	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 46.8 % 48.3-152 11/21/2017 11/22/2017 08:42 EPA 8270D S

Surrogate: Nitrobenzene-d5 83.5 % 72-126 11/21/2017 11/22/2017 08:42 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.8	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-064Z-7-7.5

A174115-BN (Soil)

Date Sampled
09/20/2017 11:33

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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
2,4,6-Trinitrotoluene	200	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:08	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

50.4 % 48.3-152

11/21/2017 11/22/2017 09:08

EPA 8270D

Surrogate: Nitrobenzene-d5

84.2 % 72-126

11/21/2017 11/22/2017 09:08

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.7	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-065Z-2-6

Date Sampled
09/20/2017 11:40

A174115-BO (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: A711073

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
2,4,6-Trinitrotoluene	200	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	LC
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	230	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	LC
4-Nitrotoluene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/21/2017	11/22/2017 09:33	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		55.3 %		48.3-152	11/21/2017	11/22/2017 09:33	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.2 %		72-126	11/21/2017	11/22/2017 09:33	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711072

% Solids	99.9	0.00	% by Weight	1	11/21/2017	11/22/2017 12:10	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170920-066Z-2-6

A174115-BP (Soil)

Date Sampled
 09/20/2017 11:44

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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
2,4,6-Trinitrotoluene	480	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
2-Amino-4,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	310	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 15:36	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		57.2 %		48.3-152	11/29/2017	11/29/2017 15:36	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.0 %		72-126	11/29/2017	11/29/2017 15:36	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.2	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-067Z-2-7

A174115-BQ (Soil)

Date Sampled
09/20/2017 11:46

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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
2,4,6-Trinitrotoluene	7800	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
2,4-Dinitrotoluene	240	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	330	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	360	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:01	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.8 %		48.3-152	11/29/2017	11/29/2017 16:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		74.0 %		72-126	11/29/2017	11/29/2017 16:01	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.1	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-068Z-2-7

A174115-BR (Soil)

Date Sampled
09/20/2017 11:48

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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
2,4,6-Trinitrotoluene	260	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 16:27	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

50.9 % 48.3-152

11/29/2017

11/29/2017 16:27

EPA 8270D

Surrogate: Nitrobenzene-d5

88.6 % 72-126

11/29/2017

11/29/2017 16:27

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.4	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-069Z-2-8

Date Sampled
09/20/2017 11:52

A174115-BS (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:10	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 40.0 % 48.3-152 11/29/2017 11/29/2017 18:10 EPA 8270D S

Surrogate: Nitrobenzene-d5 54.3 % 72-126 11/29/2017 11/29/2017 18:10 EPA 8270D S

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.2	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-070N-4-4.5

Date Sampled
09/20/2017 15:00

A174115-BT (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	290	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 18:35	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl	58.3 %	48.3-152	11/29/2017	11/29/2017 18:35	EPA 8270D
Surrogate: Nitrobenzene-d5	89.7 %	72-126	11/29/2017	11/29/2017 18:35	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.8	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-070C-4-4.5

A174115-BU (Soil)

Date Sampled
09/20/2017 15:02

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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
2,4,6-Trinitrotoluene	260	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:01	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		56.1 %		48.3-152	11/29/2017	11/29/2017 19:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.1 %		72-126	11/29/2017	11/29/2017 19:01	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.7	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-070S-4-4.5

A174115-BV (Soil)

Date Sampled
09/20/2017 15:04

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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:26	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

56.9 % 48.3-152

11/29/2017

11/29/2017 19:26

EPA 8270D

Surrogate: Nitrobenzene-d5

88.5 % 72-126

11/29/2017

11/29/2017 19:26

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.2	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-070Z-6-7.5

A174115-BW (Soil)

Date Sampled
09/20/2017 15:12

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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
2,4,6-Trinitrotoluene	260	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
2-Amino-4,6-dinitrotoluene	290	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
4-Amino-2,6-dinitrotoluene	290	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 19:52	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		55.1 %		48.3-152	11/29/2017	11/29/2017 19:52	EPA 8270D	
Surrogate: Nitrobenzene-d5		86.1 %		72-126	11/29/2017	11/29/2017 19:52	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.8	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170920-070B-7-7.5

A174115-BX (Soil)

Date Sampled
09/20/2017 15:10

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:17	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		58.1 %		48.3-152	11/29/2017	11/29/2017 20:17	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.8 %		72-126	11/29/2017	11/29/2017 20:17	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.7	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170921-071Z-0-6

Date Sampled
09/21/2017 10:37

A174115-BY (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
2,4,6-Trinitrotoluene	5400	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
2,4-Dinitrotoluene	240	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	350	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	400	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 20:43	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		74.2 %		48.3-152	11/29/2017	11/29/2017 20:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.3 %		72-126	11/29/2017	11/29/2017 20:43	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.9	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170921-062C-9-9.5

A174115-BZ (Soil)

Date Sampled
09/21/2017 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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,3,5-Trinitrobenzene	290	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
2,4,6-Trinitrotoluene	350	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		62.5 %		48.3-152	11/29/2017	11/29/2017 21:09	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.9 %		72-126	11/29/2017	11/29/2017 21:09	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	99.8	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-072Z

Date Sampled
10/10/2017 16:38

A174115-CA (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 21:35	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		63.5 %		48.3-152	11/29/2017	11/29/2017 21:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		88.0 %		72-126	11/29/2017	11/29/2017 21:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.6	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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2525 Advance Road
 Madison, WI 53718
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AECOM
 500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-171010-073Z

Date Sampled
 10/10/2017 16:41

A174115-CB (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
2,4,6-Trinitrotoluene	260	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	290	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 22:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		63.8 %		48.3-152	11/29/2017	11/29/2017 22:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		89.0 %		72-126	11/29/2017	11/29/2017 22:00	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.5	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-171010-074Z

Date Sampled
 10/10/2017 16:44

A174115-CC (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/29/2017 23:43	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl		50.7 %	48.3-152		11/29/2017	11/29/2017 23:43	EPA 8270D	
Surrogate: Nitrobenzene-d5		70.1 %	72-126		11/29/2017	11/29/2017 23:43	EPA 8270D	S

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.4	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-075Z

Date Sampled
10/10/2017 16:47

A174115-CD (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:09	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	69.5 %	48.3-152	11/29/2017	11/30/2017 00:09	EPA 8270D
Surrogate: Nitrobenzene-d5	91.2 %	72-126	11/29/2017	11/30/2017 00:09	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.6	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-076Z

A174115-CE (Soil)

Date Sampled
10/10/2017 16:50

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	300	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 00:35	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		63.6 %		48.3-152	11/29/2017	11/30/2017 00:35	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.0 %		72-126	11/29/2017	11/30/2017 00:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.1	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-077Z

Date Sampled
10/10/2017 17:00

A174115-CF (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
2,4,6-Trinitrotoluene	690	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	310	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	320	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:00	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		33.8 %		48.3-152	11/29/2017	11/30/2017 01:00	EPA 8270D	S
Surrogate: Nitrobenzene-d5		36.9 %		72-126	11/29/2017	11/30/2017 01:00	EPA 8270D	S

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.3	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-078Z

Date Sampled
10/10/2017 17:03

A174115-CG (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:26	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 63.4 % 48.3-152 11/29/2017 11/30/2017 01:26 EPA 8270D

Surrogate: Nitrobenzene-d5 83.1 % 72-126 11/29/2017 11/30/2017 01:26 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.8	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-079Z

Date Sampled
10/10/2017 17:06

A174115-CH (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,3,5-Trinitrobenzene	300	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,3-Dinitrobenzene	530	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
2,4,6-Trinitrotoluene	200000	20000	ug/kg dry	100	11/29/2017	11/30/2017 16:43	EPA 8270D	D
2,4-Dinitrotoluene	650	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
2,5-Dinitrotoluene	240	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
2,6-Dinitrotoluene	220	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2100	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
3,5-Dinitrotoluene	230	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1500	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 01:52	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		84.2 %	48.3-152		11/29/2017	11/30/2017 01:52	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.9 %	72-126		11/29/2017	11/30/2017 01:52	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.5	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-080Z

Date Sampled
10/10/2017 17:09

A174115-CI (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: A711091

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,3,5-Trinitrobenzene	300	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,3-Dinitrobenzene	490	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
2,4,6-Trinitrotoluene	280000	20000	ug/kg dry	100	11/29/2017	11/30/2017 17:09	EPA 8270D	D
2,4-Dinitrotoluene	590	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
2,5-Dinitrotoluene	240	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
2,6-Dinitrotoluene	220	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	950	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
3,5-Dinitrotoluene	230	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1400	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 02:17	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>		67.6 %	48.3-152		11/29/2017	11/30/2017 02:17	EPA 8270D	
<i>Surrogate: Nitrobenzene-d5</i>		74.1 %	72-126		11/29/2017	11/30/2017 02:17	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711098

% Solids	98.4	0.00	% by Weight	1	11/30/2017	12/01/2017 09:52	SM 2540B	
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500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-081Z

Date Sampled
10/10/2017 17:12

A174115-CJ (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
2,4,6-Trinitrotoluene	320	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	260	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 17:35	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		35.5 %		48.3-152	11/29/2017	11/30/2017 17:35	EPA 8270D	S
Surrogate: Nitrobenzene-d5		74.1 %		72-126	11/29/2017	11/30/2017 17:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	98.5	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-082Z

Date Sampled
10/10/2017 17:26

A174115-CK (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,3,5-Trinitrobenzene	280	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,3-Dinitrobenzene	660	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
2,4,6-Trinitrotoluene	470000	21000	ug/kg dry	100	11/29/2017	12/01/2017 14:33	EPA 8270D	D
2,4-Dinitrotoluene	920	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
2,5-Dinitrotoluene	230	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
2,6-Dinitrotoluene	230	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	17000	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
3,5-Dinitrotoluene	230	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	21000	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1100	210	ug/kg dry	1	11/29/2017	11/30/2017 18:01	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		73.4 %	48.3-152		11/29/2017	11/30/2017 18:01	EPA 8270D	
Surrogate: Nitrobenzene-d5		76.6 %	72-126		11/29/2017	11/30/2017 18:01	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	97.0	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-083Z

Date Sampled
10/10/2017 17:29

A174115-CL (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,3-Dinitrobenzene	260	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
2,4,6-Trinitrotoluene	18000	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
2,4-Dinitrotoluene	220	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2300	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	4400	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:27	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		97.6 %	48.3-152		11/29/2017	11/30/2017 18:27	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.2 %	72-126		11/29/2017	11/30/2017 18:27	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	97.7	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-084Z

Date Sampled

A174115-CM (Soil)

10/10/2017 17:32

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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
2,4,6-Trinitrotoluene	230	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
2,5-Dinitrotoluene	220	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	250	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 18:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		67.5 %		48.3-152	11/29/2017	11/30/2017 18:53	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.5 %		72-126	11/29/2017	11/30/2017 18:53	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	97.8	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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AECOM
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-171010-085Z

Date Sampled

A174115-CN (Soil)

10/10/2017 15:27

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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
2,4,6-Trinitrotoluene	320	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	310	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	340	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:20	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		76.1 %		48.3-152	11/29/2017	11/30/2017 19:20	EPA 8270D	
Surrogate: Nitrobenzene-d5		85.9 %		72-126	11/29/2017	11/30/2017 19:20	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	98.6	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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AECOM
 500 West Jefferson St, Ste 1600
 Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-171010-086Z

Date Sampled

A174115-CO (Soil)

10/10/2017 15:30

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

Explosive Compounds by EPA Method 8270

Preparation Batch: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
2,4,6-Trinitrotoluene	250	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	280	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 19:46	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		82.2 %		48.3-152	11/29/2017	11/30/2017 19:46	EPA 8270D	
Surrogate: Nitrobenzene-d5		92.1 %		72-126	11/29/2017	11/30/2017 19:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	98.0	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-087Z

Date Sampled
10/10/2017 15:33

A174115-CP (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
2,4,6-Trinitrotoluene	220	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	250	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 20:12	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		59.3 %		48.3-152	11/29/2017	11/30/2017 20:12	EPA 8270D	
Surrogate: Nitrobenzene-d5		81.7 %		72-126	11/29/2017	11/30/2017 20:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	98.1	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-088Z

Date Sampled

A174115-CQ (Soil)

10/10/2017 17:40

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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
2,4,6-Trinitrotoluene	230	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 20:38	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		56.2 %		48.3-152	11/29/2017	11/30/2017 20:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.1 %		72-126	11/29/2017	11/30/2017 20:38	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	97.5	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-089Z

Date Sampled
10/10/2017 17:43

A174115-CR (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
2,4,6-Trinitrotoluene	310	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	260	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	11/29/2017	11/30/2017 22:22	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		62.3 %		48.3-152	11/29/2017	11/30/2017 22:22	EPA 8270D	
Surrogate: Nitrobenzene-d5		84.6 %		72-126	11/29/2017	11/30/2017 22:22	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	97.4	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171010-090Z

Date Sampled
10/10/2017 17:46

A174115-CS (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
2,4,6-Trinitrotoluene	4800	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	420	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	490	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 22:48	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		80.1 %		48.3-152	11/29/2017	11/30/2017 22:48	EPA 8270D	
Surrogate: Nitrobenzene-d5		87.8 %		72-126	11/29/2017	11/30/2017 22:48	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	98.7	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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AECOM
 500 West Jefferson St, Ste 1600
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-171011-091Z

Date Sampled
 10/11/2017 09:10

A174115-CT (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
2,4,6-Trinitrotoluene	280	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	280	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	350	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:15	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		64.7 %		48.3-152	11/29/2017	11/30/2017 23:15	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.8 %		72-126	11/29/2017	11/30/2017 23:15	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	98.0	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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2525 Advance Road
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AECOM
500 West Jefferson St, Ste 1600
Louisville KY, 40202

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171011-092Z

Date Sampled
10/11/2017 09:11

A174115-CU (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
2,4,6-Trinitrotoluene	26000	2000	ug/kg dry	10	11/29/2017	12/01/2017 14:59	EPA 8270D	M1, D
2,4-Dinitrotoluene	210	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	400	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	570	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	11/30/2017 23:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		76.1 %	48.3-152		11/29/2017	11/30/2017 23:41	EPA 8270D	
Surrogate: Nitrobenzene-d5		83.0 %	72-126		11/29/2017	11/30/2017 23:41	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	98.2	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-171011-093Z

Date Sampled

A174115-CV (Soil)

10/11/2017 09:15

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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
2,4,6-Trinitrotoluene	230	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:07	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl		52.1 %		48.3-152	11/29/2017	12/01/2017 00:07	EPA 8270D	
Surrogate: Nitrobenzene-d5		77.0 %		72-126	11/29/2017	12/01/2017 00:07	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	97.9	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

SITG-170825-039C-4-D

A174115-CW (Soil)

Date Sampled
 08/25/2017 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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:33	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 64.2 % 48.3-152 11/29/2017 12/01/2017 00:33 EPA 8270D

Surrogate: Nitrobenzene-d5 89.2 % 72-126 11/29/2017 12/01/2017 00:33 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	99.6	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-040C-5-D

Date Sampled
08/25/2017 13:38

A174115-CX (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 00:59	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 61.1 % 48.3-152 11/29/2017 12/01/2017 00:59 EPA 8270D

Surrogate: Nitrobenzene-d5 88.4 % 72-126 11/29/2017 12/01/2017 00:59 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A711099

% Solids	99.7	0.00	% by Weight	1	11/30/2017	12/01/2017 09:42	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

SITG-170825-043Z-0-5-D

Date Sampled
08/25/2017 14:14

A174115-CY (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: A711093

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	11/29/2017	12/01/2017 01:25	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 55.1 % 48.3-152 11/29/2017 12/01/2017 01:25 EPA 8270D

Surrogate: Nitrobenzene-d5 87.7 % 72-126 11/29/2017 12/01/2017 01:25 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A712006

% Solids	99.6	0.00	% by Weight	1	12/05/2017	12/07/2017 11:39	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711039 - EPA 3570

Blank (A711039-BLK1)

Prepared: 11/13/2017 Analyzed: 11/14/2017 08:11

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	1290		ug/kg wet	2000		64.6	48.3-152			
Surrogate: Nitrobenzene-d5	1710		ug/kg wet	2000		85.4	72-126			

LCS (A711039-BS1)

Prepared: 11/13/2017 Analyzed: 11/14/2017 09:28

1,2-Dimethyl-3,4-Dinitrobenzene	1930	200	ug/kg wet	2038		94.9	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2000		90.3	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	1930	200	ug/kg wet	2000		96.5	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1800	200	ug/kg wet	2002		90.0	79.2-122			
1,3,5-Trinitrobenzene	1520	200	ug/kg wet	2000		76.0	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1780	200	ug/kg wet	2000		89.0	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2000		94.5	82.7-116			
1,3-Dinitrobenzene	1690	200	ug/kg wet	2000		84.7	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1960	200	ug/kg wet	2082		94.3	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2096		90.0	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1820	200	ug/kg wet	2065		88.3	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg wet	2000		92.0	80.6-119			



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Project Number: 60545750
Project Manager: Cary Pooler

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 A711039 - EPA 3570

LCS (A711039-BS1)

Prepared: 11/13/2017 Analyzed: 11/14/2017 09:28

1,5-Dimethyl-2,4-Dinitrobenzene	1900	200	ug/kg wet	2058		92.2	79.4-120			
2,4,6-Trinitrotoluene	1740	200	ug/kg wet	2000		87.0	74.1-139			
2,4-Dinitrotoluene	1870	200	ug/kg wet	2000		93.3	67.8-133			
2,6-Dinitrotoluene	1880	200	ug/kg wet	2000		94.2	79.5-120			
2-Amino-4,6-dinitrotoluene	1850	200	ug/kg wet	2000		92.4	60.5-138			
2-Nitrotoluene	1870	200	ug/kg wet	2000		93.6	77.7-117			
3,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.4	81.2-120			
3,5-Dinitroaniline	1920	200	ug/kg wet	2000		95.8	53.2-145			
3-Nitrotoluene	1910	200	ug/kg wet	2000		95.5	82.5-114			
4-Amino-2,6-dinitrotoluene	1780	200	ug/kg wet	2000		89.2	64.1-133			
4-Nitrotoluene	1830	200	ug/kg wet	2000		91.5	83.6-112			
Nitrobenzene	1880	200	ug/kg wet	2000		94.0	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1810</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>90.3</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1740</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>87.1</i>	<i>72-126</i>			

Matrix Spike (A711039-MS1)

Source: A174115-07

Prepared: 11/13/2017 Analyzed: 11/13/2017 23:38

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg dry	2045	ND	91.3	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1760	200	ug/kg dry	2007	ND	87.8	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	1880	200	ug/kg dry	2007	ND	93.4	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1790	200	ug/kg dry	2009	ND	89.2	62.8-131			
1,3,5-Trinitrobenzene	1520	200	ug/kg dry	2007	ND	75.6	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg dry	2007	ND	87.2	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg dry	2007	ND	92.1	75.8-121			
1,3-Dinitrobenzene	1660	200	ug/kg dry	2007	ND	82.9	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2090	ND	89.3	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg dry	2104	ND	87.2	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1770	200	ug/kg dry	2073	ND	85.4	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg dry	2007	ND	91.1	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg dry	2066	ND	88.8	63.6-130			
2,4,6-Trinitrotoluene	1780	200	ug/kg dry	2007	ND	88.4	26.1-194			
2,4-Dinitrotoluene	1840	200	ug/kg dry	2007	ND	91.5	66.7-135			
2,6-Dinitrotoluene	1850	200	ug/kg dry	2007	ND	92.3	66.1-127			
2-Amino-4,6-dinitrotoluene	1840	200	ug/kg dry	2007	ND	91.6	39-140			
2-Nitrotoluene	1860	200	ug/kg dry	2007	ND	92.5	72-121			
3,4-Dinitrotoluene	1790	200	ug/kg dry	2007	ND	89.2	64.3-124			
3,5-Dinitroaniline	1750	200	ug/kg dry	2007	ND	87.4	33.5-149			
3-Nitrotoluene	1890	200	ug/kg dry	2007	ND	94.1	78.3-118			
4-Amino-2,6-dinitrotoluene	1750	200	ug/kg dry	2007	ND	87.1	26.4-153			
4-Nitrotoluene	1830	200	ug/kg dry	2007	ND	91.2	78.6-116			
Nitrobenzene	1860	200	ug/kg dry	2007	ND	92.8	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1830</i>		<i>ug/kg dry</i>	<i>2007</i>		<i>91.4</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1740</i>		<i>ug/kg dry</i>	<i>2007</i>		<i>86.8</i>	<i>72-126</i>			



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 Project Manager: Cary Pooler

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 A711039 - EPA 3570

Matrix Spike Dup (A711039-MSD1)

Source: A174115-07

Prepared: 11/13/2017 Analyzed: 11/14/2017 00:04

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg dry	2045	ND	90.4	64.4-124	1.06	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg dry	2007	ND	89.1	67.8-131	1.42	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1840	200	ug/kg dry	2007	ND	91.9	72.5-119	1.64	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1820	200	ug/kg dry	2009	ND	90.4	62.8-131	1.25	20	
1,3,5-Trinitrobenzene	1590	200	ug/kg dry	2007	ND	79.0	39.2-186	4.48	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg dry	2007	ND	87.8	70.2-124	0.621	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1840	200	ug/kg dry	2007	ND	91.7	75.8-121	0.499	20	
1,3-Dinitrobenzene	1760	200	ug/kg dry	2007	ND	87.8	58.7-132	5.78	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2090	ND	88.4	65.6-120	0.980	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg dry	2104	ND	87.2	69.3-127	0.0482	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1760	200	ug/kg dry	2073	ND	85.0	72.8-122	0.490	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2007	ND	92.2	63.4-128	1.16	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg dry	2066	ND	87.9	63.6-130	1.04	20	
2,4,6-Trinitrotoluene	1870	200	ug/kg dry	2007	ND	93.1	26.1-194	5.15	20	
2,4-Dinitrotoluene	1910	200	ug/kg dry	2007	ND	95.1	66.7-135	3.91	20	
2,6-Dinitrotoluene	1910	200	ug/kg dry	2007	ND	95.0	66.1-127	2.85	20	
2-Amino-4,6-dinitrotoluene	1870	200	ug/kg dry	2007	ND	93.3	39-140	1.81	20	
2-Nitrotoluene	1890	200	ug/kg dry	2007	ND	93.9	72-121	1.57	20	
3,4-Dinitrotoluene	1810	200	ug/kg dry	2007	ND	90.4	64.3-124	1.27	20	
3,5-Dinitroaniline	1790	200	ug/kg dry	2007	ND	89.2	33.5-149	2.04	20	
3-Nitrotoluene	1940	200	ug/kg dry	2007	ND	96.8	78.3-118	2.84	20	
4-Amino-2,6-dinitrotoluene	1810	200	ug/kg dry	2007	ND	90.1	26.4-153	3.44	20	
4-Nitrotoluene	1880	200	ug/kg dry	2007	ND	93.6	78.6-116	2.63	20	
Nitrobenzene	1910	200	ug/kg dry	2007	ND	95.4	75.8-113	2.70	20	
Surrogate: 2,2'-Dinitrobiphenyl	1860		ug/kg dry	2007		92.8	48.3-152			
Surrogate: Nitrobenzene-d5	1800		ug/kg dry	2007		89.8	72-126			



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 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711052 - EPA 3570

Blank (A711052-BLK1)

Prepared: 11/16/2017 Analyzed: 11/17/2017 20:19

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	2000		60.8	48.3-152			
Surrogate: Nitrobenzene-d5	1810		ug/kg wet	2000		90.5	72-126			

LCS (A711052-BS1)

Prepared: 11/16/2017 Analyzed: 11/17/2017 19:54

1,2-Dimethyl-3,4-Dinitrobenzene	1880	200	ug/kg wet	2038		92.2	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1850	200	ug/kg wet	2000		92.5	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	1970	200	ug/kg wet	2000		98.4	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1850	200	ug/kg wet	2002		92.5	79.2-122			
1,3,5-Trinitrobenzene	1640	200	ug/kg wet	2000		82.1	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg wet	2000		90.1	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg wet	2000		95.3	82.7-116			
1,3-Dinitrobenzene	1870	200	ug/kg wet	2000		93.6	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg wet	2082		88.7	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1900	200	ug/kg wet	2096		90.5	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	2065		89.6	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1880	200	ug/kg wet	2000		94.0	80.6-119			



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Project Manager: Cary Pooler

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 A711052 - EPA 3570

LCS (A711052-BS1)

Prepared: 11/16/2017 Analyzed: 11/17/2017 19:54

1,5-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg wet	2058		90.9	79.4-120			
2,4,6-Trinitrotoluene	1900	200	ug/kg wet	2000		95.0	74.1-139			
2,4-Dinitrotoluene	2010	200	ug/kg wet	2000		101	67.8-133			
2,6-Dinitrotoluene	1960	200	ug/kg wet	2000		98.2	79.5-120			
2-Amino-4,6-dinitrotoluene	1730	200	ug/kg wet	2000		86.6	60.5-138			
2-Nitrotoluene	1940	200	ug/kg wet	2000		97.2	77.7-117			
3,4-Dinitrotoluene	1880	200	ug/kg wet	2000		94.0	81.2-120			
3,5-Dinitroaniline	1740	200	ug/kg wet	2000		87.2	53.2-145			
3-Nitrotoluene	1930	200	ug/kg wet	2000		96.6	82.5-114			
4-Amino-2,6-dinitrotoluene	1730	200	ug/kg wet	2000		86.4	64.1-133			
4-Nitrotoluene	1880	200	ug/kg wet	2000		93.8	83.6-112			
Nitrobenzene	1910	200	ug/kg wet	2000		95.7	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1750</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>87.4</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1800</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>90.1</i>	<i>72-126</i>			

Matrix Spike (A711052-MS1)

Source: A174115-41

Prepared: 11/16/2017 Analyzed: 11/17/2017 19:02

1,2-Dimethyl-3,4-Dinitrobenzene	1540	210	ug/kg dry	2100	ND	73.4	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1590	210	ug/kg dry	2061	ND	77.0	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	1720	210	ug/kg dry	2061	ND	83.5	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1500	210	ug/kg dry	2063	ND	72.8	62.8-131			
1,3,5-Trinitrobenzene	1260	210	ug/kg dry	2061	ND	61.2	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1590	210	ug/kg dry	2061	ND	77.2	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1710	210	ug/kg dry	2061	ND	82.7	75.8-121			
1,3-Dinitrobenzene	1470	210	ug/kg dry	2061	ND	71.3	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1530	210	ug/kg dry	2146	ND	71.4	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1700	210	ug/kg dry	2160	ND	78.5	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1650	210	ug/kg dry	2128	ND	77.6	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1550	210	ug/kg dry	2061	ND	75.2	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1620	210	ug/kg dry	2121	ND	76.2	63.6-130			
2,4,6-Trinitrotoluene	1510	210	ug/kg dry	2061	ND	73.2	26.1-194			
2,4-Dinitrotoluene	1660	210	ug/kg dry	2061	ND	80.6	66.7-135			
2,6-Dinitrotoluene	1670	210	ug/kg dry	2061	ND	80.9	66.1-127			
2-Amino-4,6-dinitrotoluene	1230	210	ug/kg dry	2061	ND	59.9	39-140			
2-Nitrotoluene	1850	210	ug/kg dry	2061	ND	89.7	72-121			
3,4-Dinitrotoluene	1500	210	ug/kg dry	2061	ND	72.7	64.3-124			
3,5-Dinitroaniline	1220	210	ug/kg dry	2061	ND	59.4	33.5-149			
3-Nitrotoluene	1860	210	ug/kg dry	2061	ND	90.1	78.3-118			
4-Amino-2,6-dinitrotoluene	1250	210	ug/kg dry	2061	ND	60.7	26.4-153			
4-Nitrotoluene	1790	210	ug/kg dry	2061	ND	87.0	78.6-116			
Nitrobenzene	1800	210	ug/kg dry	2061	ND	87.2	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1300</i>		<i>ug/kg dry</i>	<i>2061</i>		<i>63.0</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1660</i>		<i>ug/kg dry</i>	<i>2061</i>		<i>80.3</i>	<i>72-126</i>			



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 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711052 - EPA 3570

Matrix Spike Dup (A711052-MSD1)

Source: A174115-41

Prepared: 11/16/2017 Analyzed: 11/17/2017 19:28

1,2-Dimethyl-3,4-Dinitrobenzene	1550	210	ug/kg dry	2100	ND	73.6	64.4-124	0.279	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1610	210	ug/kg dry	2061	ND	78.1	67.8-131	1.43	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1700	210	ug/kg dry	2061	ND	82.3	72.5-119	1.42	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1510	210	ug/kg dry	2063	ND	73.0	62.8-131	0.243	20	
1,3,5-Trinitrobenzene	1190	210	ug/kg dry	2061	ND	57.6	39.2-186	6.07	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1600	210	ug/kg dry	2061	ND	77.6	70.2-124	0.525	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1710	210	ug/kg dry	2061	ND	83.0	75.8-121	0.313	20	
1,3-Dinitrobenzene	1450	210	ug/kg dry	2061	ND	70.1	58.7-132	1.69	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1540	210	ug/kg dry	2146	ND	71.7	65.6-120	0.377	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1690	210	ug/kg dry	2160	ND	78.3	69.3-127	0.190	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1630	210	ug/kg dry	2128	ND	76.6	72.8-122	1.34	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1580	210	ug/kg dry	2061	ND	76.5	63.4-128	1.67	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1600	210	ug/kg dry	2121	ND	75.4	63.6-130	1.13	20	
2,4,6-Trinitrotoluene	1410	210	ug/kg dry	2061	ND	68.6	26.1-194	6.50	20	
2,4-Dinitrotoluene	1630	210	ug/kg dry	2061	ND	79.2	66.7-135	1.79	20	
2,6-Dinitrotoluene	1630	210	ug/kg dry	2061	ND	79.1	66.1-127	2.22	20	
2-Amino-4,6-dinitrotoluene	1140	210	ug/kg dry	2061	ND	55.2	39-140	8.07	20	
2-Nitrotoluene	1780	210	ug/kg dry	2061	ND	86.2	72-121	3.96	20	
3,4-Dinitrotoluene	1430	210	ug/kg dry	2061	ND	69.5	64.3-124	4.60	20	
3,5-Dinitroaniline	1130	210	ug/kg dry	2061	ND	54.6	33.5-149	8.41	20	
3-Nitrotoluene	1800	210	ug/kg dry	2061	ND	87.5	78.3-118	2.90	20	
4-Amino-2,6-dinitrotoluene	1150	210	ug/kg dry	2061	ND	56.0	26.4-153	8.21	20	
4-Nitrotoluene	1720	210	ug/kg dry	2061	ND	83.4	78.6-116	4.14	20	
Nitrobenzene	1750	210	ug/kg dry	2061	ND	84.9	75.8-113	2.74	20	
Surrogate: 2,2'-Dinitrobiphenyl	1260		ug/kg dry	2061		61.2	48.3-152			
Surrogate: Nitrobenzene-d5	1650		ug/kg dry	2061		79.8	72-126			



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 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711055 - EPA 3570

Blank (A711055-BLK1)

Prepared: 11/17/2017 Analyzed: 11/18/2017 05:15

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
Surrogate: 2,2'-Dinitrobiphenyl	1360		ug/kg wet	2000		67.9	48.3-152			
Surrogate: Nitrobenzene-d5	1760		ug/kg wet	2000		88.0	72-126			

LCS (A711055-BS1)

Prepared: 11/17/2017 Analyzed: 11/17/2017 20:57

1,2-Dimethyl-3,4-Dinitrobenzene	1920	200	ug/kg wet	2038		94.4	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1800	200	ug/kg wet	2000		90.0	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	1970	200	ug/kg wet	2000		98.3	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1750	200	ug/kg wet	2002		87.4	79.2-122			
1,3,5-Trinitrobenzene	1660	200	ug/kg wet	2000		83.0	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg wet	2000		87.8	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2000		93.9	82.7-116			
1,3-Dinitrobenzene	1580	200	ug/kg wet	2000		79.0	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1990	200	ug/kg wet	2082		95.8	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg wet	2096		89.7	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1810	200	ug/kg wet	2065		87.5	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg wet	2000		91.5	80.6-119			



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Project Number: 60545750
Project Manager: Cary Pooler

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 A711055 - EPA 3570

LCS (A711055-BS1)

Prepared: 11/17/2017 Analyzed: 11/17/2017 20:57

1,5-Dimethyl-2,4-Dinitrobenzene	1910	200	ug/kg wet	2058		92.7	79.4-120			
2,4,6-Trinitrotoluene	1840	200	ug/kg wet	2000		92.1	74.1-139			
2,4-Dinitrotoluene	1780	200	ug/kg wet	2000		88.9	67.8-133			
2,6-Dinitrotoluene	1880	200	ug/kg wet	2000		93.9	79.5-120			
2-Amino-4,6-dinitrotoluene	1800	200	ug/kg wet	2000		89.9	60.5-138			
2-Nitrotoluene	1860	200	ug/kg wet	2000		92.8	77.7-117			
3,4-Dinitrotoluene	1910	200	ug/kg wet	2000		95.5	81.2-120			
3,5-Dinitroaniline	1740	200	ug/kg wet	2000		86.9	53.2-145			
3-Nitrotoluene	1830	200	ug/kg wet	2000		91.5	82.5-114			
4-Amino-2,6-dinitrotoluene	1690	200	ug/kg wet	2000		84.6	64.1-133			
4-Nitrotoluene	1760	200	ug/kg wet	2000		88.0	83.6-112			
Nitrobenzene	1840	200	ug/kg wet	2000		91.9	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1880</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>94.1</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1750</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>87.4</i>	<i>72-126</i>			

Matrix Spike (A711055-MS1)

Source: A174115-21

Prepared: 11/17/2017 Analyzed: 11/17/2017 20:05

1,2-Dimethyl-3,4-Dinitrobenzene	1810	200	ug/kg dry	2041	ND	88.7	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1700	200	ug/kg dry	2002	ND	84.7	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	1850	200	ug/kg dry	2002	ND	92.2	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1680	200	ug/kg dry	2004	ND	83.7	62.8-131			
1,3,5-Trinitrobenzene	1500	200	ug/kg dry	2002	ND	74.7	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1650	200	ug/kg dry	2002	ND	82.5	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1750	200	ug/kg dry	2002	ND	87.6	75.8-121			
1,3-Dinitrobenzene	1480	200	ug/kg dry	2002	ND	73.7	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2085	ND	89.6	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1760	200	ug/kg dry	2099	ND	83.7	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1710	200	ug/kg dry	2068	ND	82.9	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg dry	2002	ND	86.6	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg dry	2061	ND	86.9	63.6-130			
2,4,6-Trinitrotoluene	1850	200	ug/kg dry	2002	225	81.3	26.1-194			
2,4-Dinitrotoluene	1670	200	ug/kg dry	2002	ND	83.5	66.7-135			
2,6-Dinitrotoluene	1790	200	ug/kg dry	2002	ND	89.3	66.1-127			
2-Amino-4,6-dinitrotoluene	1720	200	ug/kg dry	2002	ND	85.9	39-140			
2-Nitrotoluene	1810	200	ug/kg dry	2002	ND	90.3	72-121			
3,4-Dinitrotoluene	1820	200	ug/kg dry	2002	ND	90.9	64.3-124			
3,5-Dinitroaniline	1620	200	ug/kg dry	2002	ND	81.1	33.5-149			
3-Nitrotoluene	1770	200	ug/kg dry	2002	ND	88.5	78.3-118			
4-Amino-2,6-dinitrotoluene	1690	200	ug/kg dry	2002	229	72.7	26.4-153			
4-Nitrotoluene	1730	200	ug/kg dry	2002	ND	86.2	78.6-116			
Nitrobenzene	1790	200	ug/kg dry	2002	ND	89.1	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1800</i>		<i>ug/kg dry</i>	<i>2002</i>		<i>89.8</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1660</i>		<i>ug/kg dry</i>	<i>2002</i>		<i>83.0</i>	<i>72-126</i>			



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 Project Manager: Cary Pooler

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 A711055 - EPA 3570

Matrix Spike Dup (A711055-MSD1)

Source: A174115-21

Prepared: 11/17/2017 Analyzed: 11/17/2017 20:31

1,2-Dimethyl-3,4-Dinitrobenzene	1820	200	ug/kg dry	2041	ND	89.4	64.4-124	0.787	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1740	200	ug/kg dry	2002	ND	87.1	67.8-131	2.74	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1870	200	ug/kg dry	2002	ND	93.3	72.5-119	1.15	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1670	200	ug/kg dry	2004	ND	83.1	62.8-131	0.705	20	
1,3,5-Trinitrobenzene	1630	200	ug/kg dry	2002	ND	81.3	39.2-186	8.35	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1670	200	ug/kg dry	2002	ND	83.2	70.2-124	0.835	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1780	200	ug/kg dry	2002	ND	88.8	75.8-121	1.36	20	
1,3-Dinitrobenzene	1590	200	ug/kg dry	2002	ND	79.6	58.7-132	7.67	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg dry	2085	ND	89.5	65.6-120	0.175	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1790	200	ug/kg dry	2099	ND	85.3	69.3-127	2.00	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1700	200	ug/kg dry	2068	ND	82.3	72.8-122	0.660	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg dry	2002	ND	87.5	63.4-128	1.05	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1810	200	ug/kg dry	2061	ND	87.8	63.6-130	1.01	20	
2,4,6-Trinitrotoluene	1940	200	ug/kg dry	2002	225	85.8	26.1-194	5.35	20	
2,4-Dinitrotoluene	1730	200	ug/kg dry	2002	ND	86.6	66.7-135	3.68	20	
2,6-Dinitrotoluene	1830	200	ug/kg dry	2002	ND	91.4	66.1-127	2.30	20	
2-Amino-4,6-dinitrotoluene	1800	200	ug/kg dry	2002	ND	89.9	39-140	4.55	20	
2-Nitrotoluene	1830	200	ug/kg dry	2002	ND	91.2	72-121	0.972	20	
3,4-Dinitrotoluene	1870	200	ug/kg dry	2002	ND	93.2	64.3-124	2.51	20	
3,5-Dinitroaniline	1690	200	ug/kg dry	2002	ND	84.5	33.5-149	4.09	20	
3-Nitrotoluene	1810	200	ug/kg dry	2002	ND	90.4	78.3-118	2.08	20	
4-Amino-2,6-dinitrotoluene	1710	200	ug/kg dry	2002	229	73.8	26.4-153	1.43	20	
4-Nitrotoluene	1750	200	ug/kg dry	2002	ND	87.2	78.6-116	1.22	20	
Nitrobenzene	1800	200	ug/kg dry	2002	ND	90.1	75.8-113	1.10	20	
Surrogate: 2,2'-Dinitrobiphenyl	1840		ug/kg dry	2002		91.9	48.3-152			
Surrogate: Nitrobenzene-d5	1730		ug/kg dry	2002		86.3	72-126			



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 Project Manager: Cary Pooler

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 A711056 - EPA 3570

Blank (A711056-BLK1)

Prepared: 11/17/2017 Analyzed: 11/27/2017 18:02

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	1130		ug/kg wet	2000		56.6	48.3-152			
Surrogate: Nitrobenzene-d5	1780		ug/kg wet	2000		89.1	72-126			

LCS (A711056-BS1)

Prepared: 11/17/2017 Analyzed: 11/29/2017 13:27

1,2-Dimethyl-3,4-Dinitrobenzene	1800	200	ug/kg wet	2038		88.4	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1800	200	ug/kg wet	2000		90.2	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg wet	2000		95.1	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1850	200	ug/kg wet	2002		92.3	79.2-122			
1,3,5-Trinitrobenzene	1550	200	ug/kg wet	2000		77.5	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg wet	2000		84.1	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2000		94.7	82.7-116			
1,3-Dinitrobenzene	1600	200	ug/kg wet	2000		80.1	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg wet	2082		84.0	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg wet	2096		88.5	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1770	200	ug/kg wet	2065		85.6	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1770	200	ug/kg wet	2000		88.6	80.6-119			



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Project Number: 60545750
Project Manager: Cary Pooler

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 A711056 - EPA 3570

LCS (A711056-BS1)

Prepared: 11/17/2017 Analyzed: 11/29/2017 13:27

1,5-Dimethyl-2,4-Dinitrobenzene	1760	200	ug/kg wet	2058		85.6	79.4-120			
2,4,6-Trinitrotoluene	1770	200	ug/kg wet	2000		88.6	74.1-139			
2,4-Dinitrotoluene	1570	200	ug/kg wet	2000		78.4	67.8-133			
2,6-Dinitrotoluene	1740	200	ug/kg wet	2000		87.1	79.5-120			
2-Amino-4,6-dinitrotoluene	1560	200	ug/kg wet	2000		77.8	60.5-138			
2-Nitrotoluene	1850	200	ug/kg wet	2000		92.6	77.7-117			
3,4-Dinitrotoluene	1680	200	ug/kg wet	2000		84.1	81.2-120			
3,5-Dinitroaniline	1600	200	ug/kg wet	2000		80.2	53.2-145			
3-Nitrotoluene	1830	200	ug/kg wet	2000		91.5	82.5-114			
4-Amino-2,6-dinitrotoluene	1540	200	ug/kg wet	2000		77.2	64.1-133			
4-Nitrotoluene	1790	200	ug/kg wet	2000		89.5	83.6-112			
Nitrobenzene	1850	200	ug/kg wet	2000		92.5	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1630</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>81.7</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1830</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.4</i>	<i>72-126</i>			

Matrix Spike (A711056-MS1)

Source: A174115-85

Prepared: 11/17/2017 Analyzed: 11/27/2017 21:02

1,2-Dimethyl-3,4-Dinitrobenzene	1510	200	ug/kg dry	2044	ND	73.7	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1520	200	ug/kg dry	2006	ND	75.7	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	1650	200	ug/kg dry	2006	ND	82.0	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1500	200	ug/kg dry	2008	ND	74.6	62.8-131			
1,3,5-Trinitrobenzene	1170	200	ug/kg dry	2006	ND	58.1	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1490	200	ug/kg dry	2006	ND	74.0	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1680	200	ug/kg dry	2006	ND	83.7	75.8-121			
1,3-Dinitrobenzene	1290	200	ug/kg dry	2006	ND	64.1	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1480	200	ug/kg dry	2088	ND	70.8	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1640	200	ug/kg dry	2102	ND	78.0	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1560	200	ug/kg dry	2071	ND	75.2	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1480	200	ug/kg dry	2006	ND	73.8	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1550	200	ug/kg dry	2064	ND	75.0	63.6-130			
2,4,6-Trinitrotoluene	1350	200	ug/kg dry	2006	ND	67.4	26.1-194			
2,4-Dinitrotoluene	1360	200	ug/kg dry	2006	ND	67.9	66.7-135			
2,6-Dinitrotoluene	1540	200	ug/kg dry	2006	ND	76.7	66.1-127			
2-Amino-4,6-dinitrotoluene	1240	200	ug/kg dry	2006	ND	61.6	39-140			
2-Nitrotoluene	1770	200	ug/kg dry	2006	ND	88.5	72-121			
3,4-Dinitrotoluene	1430	200	ug/kg dry	2006	ND	71.2	64.3-124			
3,5-Dinitroaniline	1270	200	ug/kg dry	2006	ND	63.2	33.5-149			
3-Nitrotoluene	1780	200	ug/kg dry	2006	ND	88.8	78.3-118			
4-Amino-2,6-dinitrotoluene	1220	200	ug/kg dry	2006	ND	61.1	26.4-153			
4-Nitrotoluene	1740	200	ug/kg dry	2006	ND	86.6	78.6-116			
Nitrobenzene	1750	200	ug/kg dry	2006	ND	87.0	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1260</i>		<i>ug/kg dry</i>	<i>2006</i>		<i>62.8</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1630</i>		<i>ug/kg dry</i>	<i>2006</i>		<i>81.3</i>	<i>72-126</i>			



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 Project Manager: Cary Pooler

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 A711056 - EPA 3570

Matrix Spike Dup (A711056-MSD1)

Source: A174115-85

Prepared: 11/17/2017 Analyzed: 11/29/2017 12:36

1,2-Dimethyl-3,4-Dinitrobenzene	1390	200	ug/kg dry	2044	ND	67.9	64.4-124	8.17	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1460	200	ug/kg dry	2006	ND	72.7	67.8-131	4.04	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1560	200	ug/kg dry	2006	ND	77.6	72.5-119	5.59	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1370	200	ug/kg dry	2008	ND	68.2	62.8-131	8.96	20	
1,3,5-Trinitrobenzene	1140	200	ug/kg dry	2006	ND	56.6	39.2-186	2.54	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1440	200	ug/kg dry	2006	ND	71.9	70.2-124	2.88	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1640	200	ug/kg dry	2006	ND	81.9	75.8-121	2.23	20	
1,3-Dinitrobenzene	1330	200	ug/kg dry	2006	ND	66.2	58.7-132	3.28	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1400	200	ug/kg dry	2088	ND	67.0	65.6-120	5.53	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1570	200	ug/kg dry	2102	ND	74.6	69.3-127	4.39	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1500	200	ug/kg dry	2071	ND	72.2	72.8-122	4.10	20	M
1,5-Dimethyl-2,3-Dinitrobenzene	1390	200	ug/kg dry	2006	ND	69.3	63.4-128	6.34	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1460	200	ug/kg dry	2064	ND	70.9	63.6-130	5.53	20	
2,4,6-Trinitrotoluene	1310	200	ug/kg dry	2006	ND	65.2	26.1-194	3.39	20	
2,4-Dinitrotoluene	1340	200	ug/kg dry	2006	ND	66.7	66.7-135	1.86	20	
2,6-Dinitrotoluene	1490	200	ug/kg dry	2006	ND	74.5	66.1-127	2.89	20	
2-Amino-4,6-dinitrotoluene	1060	200	ug/kg dry	2006	ND	52.9	39-140	15.3	20	
2-Nitrotoluene	1750	200	ug/kg dry	2006	ND	87.3	72-121	1.32	20	
3,4-Dinitrotoluene	1330	200	ug/kg dry	2006	ND	66.3	64.3-124	7.12	20	
3,5-Dinitroaniline	1110	200	ug/kg dry	2006	ND	55.3	33.5-149	13.3	20	
3-Nitrotoluene	1780	200	ug/kg dry	2006	ND	88.6	78.3-118	0.254	20	
4-Amino-2,6-dinitrotoluene	1080	200	ug/kg dry	2006	ND	53.6	26.4-153	12.9	20	
4-Nitrotoluene	1710	200	ug/kg dry	2006	ND	85.3	78.6-116	1.52	20	
Nitrobenzene	1730	200	ug/kg dry	2006	ND	86.1	75.8-113	1.04	20	
Surrogate: 2,2'-Dinitrobiphenyl	1110		ug/kg dry	2006		55.5	48.3-152			
Surrogate: Nitrobenzene-d5	1660		ug/kg dry	2006		83.0	72-126			



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 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711066 - EPA 3570

Blank (A711066-BLK1)

Prepared: 11/20/2017 Analyzed: 11/20/2017 18:33

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	1240		ug/kg wet	2000		61.8	48.3-152			
Surrogate: Nitrobenzene-d5	1730		ug/kg wet	2000		86.4	72-126			

LCS (A711066-BS1)

Prepared: 11/20/2017 Analyzed: 11/20/2017 22:28

1,2-Dimethyl-3,4-Dinitrobenzene	1990	200	ug/kg wet	2038		97.6	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1940	200	ug/kg wet	2000		96.9	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	1950	200	ug/kg wet	2000		97.3	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1820	200	ug/kg wet	2002		91.1	79.2-122			
1,3,5-Trinitrobenzene	1840	200	ug/kg wet	2000		92.2	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1800	200	ug/kg wet	2000		89.8	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2000		94.7	82.7-116			
1,3-Dinitrobenzene	1750	200	ug/kg wet	2000		87.3	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1930	200	ug/kg wet	2082		92.9	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2096		90.3	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1820	200	ug/kg wet	2065		88.0	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg wet	2000		96.2	80.6-119			



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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 A711066 - EPA 3570

LCS (A711066-BS1)

Prepared: 11/20/2017 Analyzed: 11/20/2017 22:28

1,5-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg wet	2058		91.8	79.4-120			
2,4,6-Trinitrotoluene	1980	200	ug/kg wet	2000		99.2	74.1-139			
2,4-Dinitrotoluene	1850	200	ug/kg wet	2000		92.4	67.8-133			
2,6-Dinitrotoluene	1950	200	ug/kg wet	2000		97.4	79.5-120			
2-Amino-4,6-dinitrotoluene	1990	200	ug/kg wet	2000		99.7	60.5-138			
2-Nitrotoluene	1870	200	ug/kg wet	2000		93.4	77.7-117			
3,4-Dinitrotoluene	1920	200	ug/kg wet	2000		96.2	81.2-120			
3,5-Dinitroaniline	1930	200	ug/kg wet	2000		96.3	53.2-145			
3-Nitrotoluene	1860	200	ug/kg wet	2000		93.0	82.5-114			
4-Amino-2,6-dinitrotoluene	1850	200	ug/kg wet	2000		92.3	64.1-133			
4-Nitrotoluene	1800	200	ug/kg wet	2000		89.9	83.6-112			
Nitrobenzene	1830	200	ug/kg wet	2000		91.6	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2000</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>100</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1730</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>86.3</i>	<i>72-126</i>			

Matrix Spike (A711066-MS1)

Source: A174115-61

Prepared: 11/20/2017 Analyzed: 11/20/2017 21:36

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg dry	2044	ND	91.2	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1790	200	ug/kg dry	2006	ND	89.5	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg dry	2006	ND	94.8	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1740	200	ug/kg dry	2008	ND	86.6	62.8-131			
1,3,5-Trinitrobenzene	1630	200	ug/kg dry	2006	ND	81.1	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1680	200	ug/kg dry	2006	ND	83.8	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2006	ND	90.9	75.8-121			
1,3-Dinitrobenzene	1600	200	ug/kg dry	2006	ND	79.6	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1880	200	ug/kg dry	2089	ND	89.9	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1820	200	ug/kg dry	2103	ND	86.5	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1730	200	ug/kg dry	2072	ND	83.8	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1780	200	ug/kg dry	2006	ND	88.9	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg dry	2064	ND	88.4	63.6-130			
2,4,6-Trinitrotoluene	1880	200	ug/kg dry	2006	ND	93.7	26.1-194			
2,4-Dinitrotoluene	1770	200	ug/kg dry	2006	ND	88.0	66.7-135			
2,6-Dinitrotoluene	1840	200	ug/kg dry	2006	ND	91.5	66.1-127			
2-Amino-4,6-dinitrotoluene	1740	200	ug/kg dry	2006	ND	86.7	39-140			
2-Nitrotoluene	1850	200	ug/kg dry	2006	ND	92.2	72-121			
3,4-Dinitrotoluene	1840	200	ug/kg dry	2006	ND	91.9	64.3-124			
3,5-Dinitroaniline	1680	200	ug/kg dry	2006	ND	83.6	33.5-149			
3-Nitrotoluene	1820	200	ug/kg dry	2006	ND	90.7	78.3-118			
4-Amino-2,6-dinitrotoluene	1660	200	ug/kg dry	2006	ND	82.9	26.4-153			
4-Nitrotoluene	1710	200	ug/kg dry	2006	ND	85.4	78.6-116			
Nitrobenzene	1800	200	ug/kg dry	2006	ND	89.5	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1840</i>		<i>ug/kg dry</i>	<i>2006</i>		<i>91.8</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1710</i>		<i>ug/kg dry</i>	<i>2006</i>		<i>85.4</i>	<i>72-126</i>			



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Explosive Compounds by EPA Method 8270 - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A711066 - EPA 3570

Matrix Spike Dup (A711066-MSD1)

Source: A174115-61

Prepared: 11/20/2017 Analyzed: 11/20/2017 22:02

1,2-Dimethyl-3,4-Dinitrobenzene	1910	200	ug/kg dry	2044	ND	93.4	64.4-124	2.37	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1840	200	ug/kg dry	2006	ND	91.9	67.8-131	2.68	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1910	200	ug/kg dry	2006	ND	95.4	72.5-119	0.602	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1750	200	ug/kg dry	2008	ND	87.1	62.8-131	0.524	20	
1,3,5-Trinitrobenzene	1740	200	ug/kg dry	2006	ND	86.9	39.2-186	6.85	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1750	200	ug/kg dry	2006	ND	87.3	70.2-124	4.11	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1880	200	ug/kg dry	2006	ND	93.8	75.8-121	3.21	20	
1,3-Dinitrobenzene	1720	200	ug/kg dry	2006	ND	85.7	58.7-132	7.36	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1920	200	ug/kg dry	2089	ND	91.7	65.6-120	2.02	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg dry	2103	ND	88.4	69.3-127	2.19	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1810	200	ug/kg dry	2072	ND	87.2	72.8-122	4.06	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1820	200	ug/kg dry	2006	ND	90.9	63.4-128	2.19	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg dry	2064	ND	91.6	63.6-130	3.50	20	
2,4,6-Trinitrotoluene	1930	200	ug/kg dry	2006	ND	96.1	26.1-194	2.58	20	
2,4-Dinitrotoluene	1820	200	ug/kg dry	2006	ND	90.6	66.7-135	2.87	20	
2,6-Dinitrotoluene	1920	200	ug/kg dry	2006	ND	95.7	66.1-127	4.46	20	
2-Amino-4,6-dinitrotoluene	1790	200	ug/kg dry	2006	ND	89.1	39-140	2.69	20	
2-Nitrotoluene	1850	200	ug/kg dry	2006	ND	92.4	72-121	0.212	20	
3,4-Dinitrotoluene	1890	200	ug/kg dry	2006	ND	94.1	64.3-124	2.39	20	
3,5-Dinitroaniline	1730	200	ug/kg dry	2006	ND	86.2	33.5-149	3.12	20	
3-Nitrotoluene	1840	200	ug/kg dry	2006	ND	91.6	78.3-118	1.08	20	
4-Amino-2,6-dinitrotoluene	1750	200	ug/kg dry	2006	ND	87.0	26.4-153	4.90	20	
4-Nitrotoluene	1780	200	ug/kg dry	2006	ND	88.7	78.6-116	3.78	20	
Nitrobenzene	1810	200	ug/kg dry	2006	ND	90.1	75.8-113	0.696	20	
Surrogate: 2,2'-Dinitrobiphenyl	1900		ug/kg dry	2006		94.8	48.3-152			
Surrogate: Nitrobenzene-d5	1750		ug/kg dry	2006		87.5	72-126			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711069 - EPA 3570

Blank (A711069-BLK1)

Prepared: 11/21/2017 Analyzed: 11/21/2017 11:20

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
Surrogate: 2,2'-Dinitrobiphenyl	1010		ug/kg wet	2000		50.6	48.3-152			
Surrogate: Nitrobenzene-d5	1660		ug/kg wet	2000		83.0	72-126			

LCS (A711069-BS1)

Prepared: 11/21/2017 Analyzed: 11/21/2017 15:14

1,2-Dimethyl-3,4-Dinitrobenzene	1880	200	ug/kg wet	2038		92.5	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1810	200	ug/kg wet	2000		90.4	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	1940	200	ug/kg wet	2000		97.0	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1810	200	ug/kg wet	2002		90.6	79.2-122			
1,3,5-Trinitrobenzene	1770	200	ug/kg wet	2000		88.3	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1730	200	ug/kg wet	2000		86.7	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1850	200	ug/kg wet	2000		92.7	82.7-116			
1,3-Dinitrobenzene	1630	200	ug/kg wet	2000		81.4	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2082		90.7	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg wet	2096		89.1	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1770	200	ug/kg wet	2065		85.6	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg wet	2000		90.3	80.6-119			



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Project Number: 60545750
Project Manager: Cary Pooler

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 A711069 - EPA 3570

LCS (A711069-BS1)

Prepared: 11/21/2017 Analyzed: 11/21/2017 15:14

1,5-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	2058		90.0	79.4-120			
2,4,6-Trinitrotoluene	1880	200	ug/kg wet	2000		94.1	74.1-139			
2,4-Dinitrotoluene	1810	200	ug/kg wet	2000		90.5	67.8-133			
2,6-Dinitrotoluene	1900	200	ug/kg wet	2000		95.0	79.5-120			
2-Amino-4,6-dinitrotoluene	1900	200	ug/kg wet	2000		95.0	60.5-138			
2-Nitrotoluene	1850	200	ug/kg wet	2000		92.4	77.7-117			
3,4-Dinitrotoluene	1930	200	ug/kg wet	2000		96.3	81.2-120			
3,5-Dinitroaniline	1800	200	ug/kg wet	2000		89.9	53.2-145			
3-Nitrotoluene	1810	200	ug/kg wet	2000		90.4	82.5-114			
4-Amino-2,6-dinitrotoluene	1780	200	ug/kg wet	2000		88.8	64.1-133			
4-Nitrotoluene	1710	200	ug/kg wet	2000		85.7	83.6-112			
Nitrobenzene	1800	200	ug/kg wet	2000		89.9	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1890</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>94.3</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1710</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>85.4</i>	<i>72-126</i>			

Matrix Spike (A711069-MS1)

Source: A174115-AB

Prepared: 11/21/2017 Analyzed: 11/21/2017 14:22

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg dry	2045	ND	89.4	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1730	200	ug/kg dry	2006	ND	86.2	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg dry	2006	ND	94.0	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1710	200	ug/kg dry	2008	ND	84.9	62.8-131			
1,3,5-Trinitrobenzene	1540	200	ug/kg dry	2006	ND	76.7	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1640	200	ug/kg dry	2006	ND	81.5	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1770	200	ug/kg dry	2006	ND	88.4	75.8-121			
1,3-Dinitrobenzene	1430	200	ug/kg dry	2006	ND	71.1	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1850	200	ug/kg dry	2089	ND	88.5	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1750	200	ug/kg dry	2103	ND	83.4	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1730	200	ug/kg dry	2072	ND	83.3	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1740	200	ug/kg dry	2006	ND	86.8	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg dry	2065	ND	85.8	63.6-130			
2,4,6-Trinitrotoluene	1820	200	ug/kg dry	2006	ND	90.8	26.1-194			
2,4-Dinitrotoluene	1660	200	ug/kg dry	2006	ND	82.6	66.7-135			
2,6-Dinitrotoluene	1760	200	ug/kg dry	2006	ND	87.5	66.1-127			
2-Amino-4,6-dinitrotoluene	1680	200	ug/kg dry	2006	ND	83.9	39-140			
2-Nitrotoluene	1810	200	ug/kg dry	2006	ND	90.4	72-121			
3,4-Dinitrotoluene	1800	200	ug/kg dry	2006	ND	89.6	64.3-124			
3,5-Dinitroaniline	1610	200	ug/kg dry	2006	ND	80.0	33.5-149			
3-Nitrotoluene	1760	200	ug/kg dry	2006	ND	87.9	78.3-118			
4-Amino-2,6-dinitrotoluene	1580	200	ug/kg dry	2006	ND	78.6	26.4-153			
4-Nitrotoluene	1700	200	ug/kg dry	2006	ND	84.7	78.6-116			
Nitrobenzene	1750	200	ug/kg dry	2006	ND	87.3	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1820</i>		<i>ug/kg dry</i>	<i>2006</i>		<i>90.8</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1690</i>		<i>ug/kg dry</i>	<i>2006</i>		<i>84.0</i>	<i>72-126</i>			



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 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711069 - EPA 3570

Matrix Spike Dup (A711069-MSD1)

Source: A174115-AB

Prepared: 11/21/2017 Analyzed: 11/21/2017 14:48

1,2-Dimethyl-3,4-Dinitrobenzene	1850	200	ug/kg dry	2045	ND	90.6	64.4-124	1.31	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1770	200	ug/kg dry	2006	ND	88.3	67.8-131	2.42	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg dry	2006	ND	94.8	72.5-119	0.783	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1740	200	ug/kg dry	2008	ND	86.6	62.8-131	1.94	20	
1,3,5-Trinitrobenzene	1640	200	ug/kg dry	2006	ND	81.9	39.2-186	6.55	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1700	200	ug/kg dry	2006	ND	84.6	70.2-124	3.72	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1840	200	ug/kg dry	2006	ND	91.5	75.8-121	3.44	20	
1,3-Dinitrobenzene	1520	200	ug/kg dry	2006	ND	75.7	58.7-132	6.24	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2089	ND	89.5	65.6-120	1.14	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg dry	2103	ND	87.3	69.3-127	4.54	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1760	200	ug/kg dry	2072	ND	84.9	72.8-122	1.86	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1750	200	ug/kg dry	2006	ND	87.4	63.4-128	0.724	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1810	200	ug/kg dry	2065	ND	87.6	63.6-130	2.07	20	
2,4,6-Trinitrotoluene	1830	200	ug/kg dry	2006	ND	91.3	26.1-194	0.584	20	
2,4-Dinitrotoluene	1750	200	ug/kg dry	2006	ND	87.3	66.7-135	5.55	20	
2,6-Dinitrotoluene	1820	200	ug/kg dry	2006	ND	90.5	66.1-127	3.37	20	
2-Amino-4,6-dinitrotoluene	1700	200	ug/kg dry	2006	ND	84.8	39-140	1.11	20	
2-Nitrotoluene	1850	200	ug/kg dry	2006	ND	92.1	72-121	1.85	20	
3,4-Dinitrotoluene	1850	200	ug/kg dry	2006	ND	92.1	64.3-124	2.79	20	
3,5-Dinitroaniline	1650	200	ug/kg dry	2006	ND	82.3	33.5-149	2.89	20	
3-Nitrotoluene	1810	200	ug/kg dry	2006	ND	90.3	78.3-118	2.71	20	
4-Amino-2,6-dinitrotoluene	1660	200	ug/kg dry	2006	ND	83.0	26.4-153	5.48	20	
4-Nitrotoluene	1740	200	ug/kg dry	2006	ND	86.5	78.6-116	2.09	20	
Nitrobenzene	1790	200	ug/kg dry	2006	ND	89.2	75.8-113	2.10	20	
Surrogate: 2,2'-Dinitrobiphenyl	1820		ug/kg dry	2006		90.9	48.3-152			
Surrogate: Nitrobenzene-d5	1750		ug/kg dry	2006		87.2	72-126			



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 Project Manager: Cary Pooler

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 A711073 - EPA 3570

Blank (A711073-BLK1)

Prepared: 11/21/2017 Analyzed: 11/22/2017 01:02

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	1100		ug/kg wet	2000		54.9	48.3-152			
Surrogate: Nitrobenzene-d5	1740		ug/kg wet	2000		87.2	72-126			

LCS (A711073-BS1)

Prepared: 11/21/2017 Analyzed: 11/22/2017 04:52

1,2-Dimethyl-3,4-Dinitrobenzene	1960	200	ug/kg wet	2038		96.2	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1880	200	ug/kg wet	2000		94.2	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	2030	200	ug/kg wet	2000		102	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg wet	2002		95.3	79.2-122			
1,3,5-Trinitrobenzene	1690	200	ug/kg wet	2000		84.6	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1700	200	ug/kg wet	2000		85.2	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1960	200	ug/kg wet	2000		97.9	82.7-116			
1,3-Dinitrobenzene	1730	200	ug/kg wet	2000		86.3	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg wet	2082		89.6	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1930	200	ug/kg wet	2096		92.0	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	2065		89.5	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg wet	2000		94.7	80.6-119			



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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 A711073 - EPA 3570

LCS (A711073-BS1)

Prepared: 11/21/2017 Analyzed: 11/22/2017 04:52

1,5-Dimethyl-2,4-Dinitrobenzene	1860	200	ug/kg wet	2058		90.2	79.4-120			
2,4,6-Trinitrotoluene	1980	200	ug/kg wet	2000		99.1	74.1-139			
2,4-Dinitrotoluene	1960	200	ug/kg wet	2000		98.1	67.8-133			
2,6-Dinitrotoluene	1910	200	ug/kg wet	2000		95.4	79.5-120			
2-Amino-4,6-dinitrotoluene	1700	200	ug/kg wet	2000		84.9	60.5-138			
2-Nitrotoluene	1810	200	ug/kg wet	2000		90.5	77.7-117			
3,4-Dinitrotoluene	1950	200	ug/kg wet	2000		97.6	81.2-120			
3,5-Dinitroaniline	1640	200	ug/kg wet	2000		82.1	53.2-145			
3-Nitrotoluene	1800	200	ug/kg wet	2000		89.8	82.5-114			
4-Amino-2,6-dinitrotoluene	1630	200	ug/kg wet	2000		81.3	64.1-133			
4-Nitrotoluene	1780	200	ug/kg wet	2000		88.9	83.6-112			
Nitrobenzene	1870	200	ug/kg wet	2000		93.6	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1760</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>88.2</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1750</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>87.3</i>	<i>72-126</i>			

Matrix Spike (A711073-MS1)

Source: A174115-AV

Prepared: 11/21/2017 Analyzed: 11/22/2017 04:01

1,2-Dimethyl-3,4-Dinitrobenzene	1960	200	ug/kg dry	2043	ND	96.1	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1870	200	ug/kg dry	2005	ND	93.3	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	2080	200	ug/kg dry	2005	ND	104	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1930	200	ug/kg dry	2007	ND	96.3	62.8-131			
1,3,5-Trinitrobenzene	1640	200	ug/kg dry	2005	ND	81.6	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1700	200	ug/kg dry	2005	ND	84.7	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1940	200	ug/kg dry	2005	ND	96.8	75.8-121			
1,3-Dinitrobenzene	1620	200	ug/kg dry	2005	ND	80.7	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1910	200	ug/kg dry	2087	ND	91.5	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1970	200	ug/kg dry	2101	ND	93.8	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1830	200	ug/kg dry	2070	ND	88.2	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1890	200	ug/kg dry	2005	ND	94.1	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1880	200	ug/kg dry	2063	ND	91.1	63.6-130			
2,4,6-Trinitrotoluene	2140	200	ug/kg dry	2005	209	96.5	26.1-194			
2,4-Dinitrotoluene	1950	200	ug/kg dry	2005	ND	97.5	66.7-135			
2,6-Dinitrotoluene	1920	200	ug/kg dry	2005	ND	95.6	66.1-127			
2-Amino-4,6-dinitrotoluene	1740	200	ug/kg dry	2005	ND	86.6	39-140			
2-Nitrotoluene	1860	200	ug/kg dry	2005	ND	92.5	72-121			
3,4-Dinitrotoluene	1910	200	ug/kg dry	2005	ND	95.3	64.3-124			
3,5-Dinitroaniline	1650	200	ug/kg dry	2005	ND	82.3	33.5-149			
3-Nitrotoluene	1840	200	ug/kg dry	2005	ND	91.6	78.3-118			
4-Amino-2,6-dinitrotoluene	1710	200	ug/kg dry	2005	236	73.4	26.4-153			
4-Nitrotoluene	1820	200	ug/kg dry	2005	ND	90.7	78.6-116			
Nitrobenzene	1900	200	ug/kg dry	2005	ND	94.7	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1770</i>		<i>ug/kg dry</i>	<i>2005</i>		<i>88.3</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1770</i>		<i>ug/kg dry</i>	<i>2005</i>		<i>88.1</i>	<i>72-126</i>			



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Project Number: 60545750
Project Manager: Cary Pooler

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 A711073 - EPA 3570

Matrix Spike Dup (A711073-MSD1)

Source: A174115-AV

Prepared: 11/21/2017 Analyzed: 11/22/2017 04:26

1,2-Dimethyl-3,4-Dinitrobenzene	1900	200	ug/kg dry	2043	ND	93.1	64.4-124	3.16	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1780	200	ug/kg dry	2005	ND	88.7	67.8-131	5.08	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1950	200	ug/kg dry	2005	ND	97.4	72.5-119	6.31	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1820	200	ug/kg dry	2007	ND	90.8	62.8-131	5.89	20	
1,3,5-Trinitrobenzene	1610	200	ug/kg dry	2005	ND	80.3	39.2-186	1.64	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1630	200	ug/kg dry	2005	ND	81.1	70.2-124	4.38	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg dry	2005	ND	94.1	75.8-121	2.81	20	
1,3-Dinitrobenzene	1630	200	ug/kg dry	2005	ND	81.4	58.7-132	0.895	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg dry	2087	ND	86.2	65.6-120	6.06	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1870	200	ug/kg dry	2101	ND	88.8	69.3-127	5.44	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1760	200	ug/kg dry	2070	ND	85.2	72.8-122	3.56	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg dry	2005	ND	90.2	63.4-128	4.22	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1770	200	ug/kg dry	2063	ND	85.7	63.6-130	6.15	20	
2,4,6-Trinitrotoluene	2040	200	ug/kg dry	2005	209	91.3	26.1-194	5.53	20	
2,4-Dinitrotoluene	1890	200	ug/kg dry	2005	ND	94.4	66.7-135	3.28	20	
2,6-Dinitrotoluene	1870	200	ug/kg dry	2005	ND	93.3	66.1-127	2.42	20	
2-Amino-4,6-dinitrotoluene	1650	200	ug/kg dry	2005	ND	82.4	39-140	4.92	20	
2-Nitrotoluene	1800	200	ug/kg dry	2005	ND	89.7	72-121	3.10	20	
3,4-Dinitrotoluene	1860	200	ug/kg dry	2005	ND	92.7	64.3-124	2.77	20	
3,5-Dinitroaniline	1570	200	ug/kg dry	2005	ND	78.1	33.5-149	5.27	20	
3-Nitrotoluene	1780	200	ug/kg dry	2005	ND	89.0	78.3-118	2.91	20	
4-Amino-2,6-dinitrotoluene	1610	200	ug/kg dry	2005	236	68.4	26.4-153	7.07	20	
4-Nitrotoluene	1760	200	ug/kg dry	2005	ND	87.7	78.6-116	3.30	20	
Nitrobenzene	1860	200	ug/kg dry	2005	ND	93.0	75.8-113	1.85	20	
Surrogate: 2,2'-Dinitrobiphenyl	1700		ug/kg dry	2005		84.7	48.3-152			
Surrogate: Nitrobenzene-d5	1750		ug/kg dry	2005		87.2	72-126			



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Project Number: 60545750
Project Manager: Cary Pooler

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 A711091 - EPA 3570

Blank (A711091-BLK1)

Prepared: 11/29/2017 Analyzed: 11/29/2017 13:53

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	836		ug/kg wet	2000		41.8	48.3-152			S
Surrogate: Nitrobenzene-d5	1460		ug/kg wet	2000		72.9	72-126			

LCS (A711091-BS1)

Prepared: 11/29/2017 Analyzed: 11/29/2017 15:10

1,2-Dimethyl-3,4-Dinitrobenzene	1830	200	ug/kg wet	2038		89.7	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	1850	200	ug/kg wet	2000		92.6	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	1880	200	ug/kg wet	2000		93.8	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg wet	2002		95.5	79.2-122			
1,3,5-Trinitrobenzene	1600	200	ug/kg wet	2000		80.2	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	1740	200	ug/kg wet	2000		86.9	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	1900	200	ug/kg wet	2000		95.1	82.7-116			
1,3-Dinitrobenzene	1650	200	ug/kg wet	2000		82.6	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	1730	200	ug/kg wet	2082		82.9	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	1890	200	ug/kg wet	2096		90.1	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	1780	200	ug/kg wet	2065		86.4	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	1810	200	ug/kg wet	2000		90.5	80.6-119			



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Project Number: 60545750
Project Manager: Cary Pooler

Explosive Compounds by EPA Method 8270 - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A711091 - EPA 3570

LCS (A711091-BS1)

Prepared: 11/29/2017 Analyzed: 11/29/2017 15:10

1,5-Dimethyl-2,4-Dinitrobenzene	1820	200	ug/kg wet	2058		88.2	79.4-120			
2,4,6-Trinitrotoluene	1820	200	ug/kg wet	2000		91.0	74.1-139			
2,4-Dinitrotoluene	1600	200	ug/kg wet	2000		80.0	67.8-133			
2,6-Dinitrotoluene	1780	200	ug/kg wet	2000		88.8	79.5-120			
2-Amino-4,6-dinitrotoluene	1580	200	ug/kg wet	2000		79.0	60.5-138			
2-Nitrotoluene	1830	200	ug/kg wet	2000		91.7	77.7-117			
3,4-Dinitrotoluene	1700	200	ug/kg wet	2000		85.2	81.2-120			
3,5-Dinitroaniline	1670	200	ug/kg wet	2000		83.3	53.2-145			
3-Nitrotoluene	1850	200	ug/kg wet	2000		92.5	82.5-114			
4-Amino-2,6-dinitrotoluene	1550	200	ug/kg wet	2000		77.4	64.1-133			
4-Nitrotoluene	1790	200	ug/kg wet	2000		89.6	83.6-112			
Nitrobenzene	1830	200	ug/kg wet	2000		91.4	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1630</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>81.3</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1810</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>90.3</i>	<i>72-126</i>			

Matrix Spike (A711091-MS1)

Source: A174115-CE

Prepared: 11/29/2017 Analyzed: 11/29/2017 14:19

1,2-Dimethyl-3,4-Dinitrobenzene	1620	200	ug/kg dry	2078	ND	77.8	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	1640	200	ug/kg dry	2039	ND	80.3	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	1720	200	ug/kg dry	2039	ND	84.5	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	1650	200	ug/kg dry	2041	ND	80.9	62.8-131			
1,3,5-Trinitrobenzene	1390	200	ug/kg dry	2039	ND	68.4	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	1550	200	ug/kg dry	2039	ND	76.1	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	1740	200	ug/kg dry	2039	ND	85.3	75.8-121			
1,3-Dinitrobenzene	1430	200	ug/kg dry	2039	ND	70.1	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	1520	200	ug/kg dry	2123	ND	71.8	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	1690	200	ug/kg dry	2137	ND	78.9	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	1610	200	ug/kg dry	2106	ND	76.3	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	1580	200	ug/kg dry	2039	ND	77.2	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	1590	200	ug/kg dry	2099	ND	75.7	63.6-130			
2,4,6-Trinitrotoluene	1680	200	ug/kg dry	2039	268	69.3	26.1-194			
2,4-Dinitrotoluene	1410	200	ug/kg dry	2039	ND	69.4	66.7-135			
2,6-Dinitrotoluene	1580	200	ug/kg dry	2039	ND	77.3	66.1-127			
2-Amino-4,6-dinitrotoluene	1330	200	ug/kg dry	2039	304	50.1	39-140			
2-Nitrotoluene	1720	200	ug/kg dry	2039	ND	84.3	72-121			
3,4-Dinitrotoluene	1510	200	ug/kg dry	2039	ND	74.1	64.3-124			
3,5-Dinitroaniline	1380	200	ug/kg dry	2039	ND	67.5	33.5-149			
3-Nitrotoluene	1710	200	ug/kg dry	2039	ND	84.1	78.3-118			
4-Amino-2,6-dinitrotoluene	1280	200	ug/kg dry	2039	302	48.1	26.4-153			
4-Nitrotoluene	1670	200	ug/kg dry	2039	ND	81.7	78.6-116			
Nitrobenzene	1690	200	ug/kg dry	2039	ND	83.0	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1390</i>		<i>ug/kg dry</i>	<i>2039</i>		<i>67.9</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1560</i>		<i>ug/kg dry</i>	<i>2039</i>		<i>76.4</i>	<i>72-126</i>			



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 Project Manager: Cary Pooler

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 A711091 - EPA 3570

Matrix Spike Dup (A711091-MSD1)

Source: A174115-CE

Prepared: 11/29/2017 Analyzed: 11/29/2017 14:44

1,2-Dimethyl-3,4-Dinitrobenzene	1630	200	ug/kg dry	2078	ND	78.6	64.4-124	0.930	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1680	200	ug/kg dry	2039	ND	82.3	67.8-131	2.51	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1740	200	ug/kg dry	2039	ND	85.3	72.5-119	0.960	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1700	200	ug/kg dry	2041	ND	83.5	62.8-131	3.08	20	
1,3,5-Trinitrobenzene	1480	200	ug/kg dry	2039	ND	72.4	39.2-186	5.73	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1580	200	ug/kg dry	2039	ND	77.3	70.2-124	1.64	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1760	200	ug/kg dry	2039	ND	86.2	75.8-121	1.12	20	
1,3-Dinitrobenzene	1580	200	ug/kg dry	2039	ND	77.6	58.7-132	10.2	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1550	200	ug/kg dry	2123	ND	73.1	65.6-120	1.79	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1740	200	ug/kg dry	2137	ND	81.3	69.3-127	2.91	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1630	200	ug/kg dry	2106	ND	77.6	72.8-122	1.78	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1610	200	ug/kg dry	2039	ND	78.8	63.4-128	1.97	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1660	200	ug/kg dry	2099	ND	79.1	63.6-130	4.31	20	
2,4,6-Trinitrotoluene	1820	200	ug/kg dry	2039	268	75.9	26.1-194	9.12	20	
2,4-Dinitrotoluene	1530	200	ug/kg dry	2039	ND	75.1	66.7-135	7.98	20	
2,6-Dinitrotoluene	1700	200	ug/kg dry	2039	ND	83.5	66.1-127	7.68	20	
2-Amino-4,6-dinitrotoluene	1370	200	ug/kg dry	2039	304	52.3	39-140	4.19	20	
2-Nitrotoluene	1830	200	ug/kg dry	2039	ND	89.6	72-121	6.01	20	
3,4-Dinitrotoluene	1600	200	ug/kg dry	2039	ND	78.2	64.3-124	5.43	20	
3,5-Dinitroaniline	1420	200	ug/kg dry	2039	ND	69.8	33.5-149	3.35	20	
3-Nitrotoluene	1830	200	ug/kg dry	2039	ND	89.9	78.3-118	6.66	20	
4-Amino-2,6-dinitrotoluene	1390	200	ug/kg dry	2039	302	53.4	26.4-153	10.4	20	
4-Nitrotoluene	1780	200	ug/kg dry	2039	ND	87.0	78.6-116	6.38	20	
Nitrobenzene	1790	200	ug/kg dry	2039	ND	87.9	75.8-113	5.76	20	
Surrogate: 2,2'-Dinitrobiphenyl	1440		ug/kg dry	2039		70.8	48.3-152			
Surrogate: Nitrobenzene-d5	1650		ug/kg dry	2039		81.0	72-126			



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 Project Manager: Cary Pooler

Explosive Compounds by EPA Method 8270 - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A711093 - EPA 3570

Blank (A711093-BLK1)

Prepared: 11/29/2017 Analyzed: 12/01/2017 13:15

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
Surrogate: 2,2'-Dinitrobiphenyl	1190		ug/kg wet	2000		59.6	48.3-152			
Surrogate: Nitrobenzene-d5	1890		ug/kg wet	2000		94.6	72-126			

LCS (A711093-BS1)

Prepared: 11/29/2017 Analyzed: 12/01/2017 02:17

1,2-Dimethyl-3,4-Dinitrobenzene	2290	200	ug/kg wet	2038		112	81.4-119			
1,2-Dimethyl-3,5-Dinitrobenzene	2190	200	ug/kg wet	2000		109	80.1-121			
1,2-Dimethyl-3,6-Dinitrobenzene	2330	200	ug/kg wet	2000		116	81.8-116			
1,2-Dimethyl-4,5-Dinitrobenzene	2250	200	ug/kg wet	2002		113	79.2-122			
1,3,5-Trinitrobenzene	1650	200	ug/kg wet	2000		82.5	60.4-167			
1,3-Dimethyl-2,4-Dinitrobenzene	2130	200	ug/kg wet	2000		107	79.6-118			
1,3-Dimethyl-2,5-Dinitrobenzene	2240	200	ug/kg wet	2000		112	82.7-116			
1,3-Dinitrobenzene	1780	200	ug/kg wet	2000		89.2	69.8-129			
1,4-Dimethyl-2,3-Dinitrobenzene	2260	200	ug/kg wet	2082		109	68.8-126			
1,4-Dimethyl-2,5-Dinitrobenzene	2220	200	ug/kg wet	2096		106	81.7-118			
1,4-Dimethyl-2,6-Dinitrobenzene	2190	200	ug/kg wet	2065		106	81.5-117			
1,5-Dimethyl-2,3-Dinitrobenzene	2220	200	ug/kg wet	2000		111	80.6-119			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711093 - EPA 3570

LCS (A711093-BS1)

Prepared: 11/29/2017 Analyzed: 12/01/2017 02:17

1,5-Dimethyl-2,4-Dinitrobenzene	2290	200	ug/kg wet	2058		111	79.4-120			
2,4,6-Trinitrotoluene	1920	200	ug/kg wet	2000		95.9	74.1-139			
2,4-Dinitrotoluene	1840	200	ug/kg wet	2000		92.1	67.8-133			
2,6-Dinitrotoluene	1990	200	ug/kg wet	2000		99.6	79.5-120			
2-Amino-4,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.3	60.5-138			
2-Nitrotoluene	1960	200	ug/kg wet	2000		98.1	77.7-117			
3,4-Dinitrotoluene	1930	200	ug/kg wet	2000		96.6	81.2-120			
3,5-Dinitroaniline	1950	200	ug/kg wet	2000		97.7	53.2-145			
3-Nitrotoluene	1940	200	ug/kg wet	2000		97.1	82.5-114			
4-Amino-2,6-dinitrotoluene	1930	200	ug/kg wet	2000		96.3	64.1-133			
4-Nitrotoluene	1920	200	ug/kg wet	2000		96.1	83.6-112			
Nitrobenzene	1950	200	ug/kg wet	2000		97.7	83.4-112			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1970</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>98.7</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1870</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>93.4</i>	<i>72-126</i>			

Matrix Spike (A711093-MS1)

Source: A174115-CU

Prepared: 11/29/2017 Analyzed: 12/01/2017 02:43

1,2-Dimethyl-3,4-Dinitrobenzene	2180	200	ug/kg dry	2075	ND	105	64.4-124			
1,2-Dimethyl-3,5-Dinitrobenzene	2180	200	ug/kg dry	2036	ND	107	67.8-131			
1,2-Dimethyl-3,6-Dinitrobenzene	2300	200	ug/kg dry	2036	ND	113	72.5-119			
1,2-Dimethyl-4,5-Dinitrobenzene	2270	200	ug/kg dry	2038	ND	111	62.8-131			
1,3,5-Trinitrobenzene	1610	200	ug/kg dry	2036	ND	79.2	39.2-186			
1,3-Dimethyl-2,4-Dinitrobenzene	2150	200	ug/kg dry	2036	ND	105	70.2-124			
1,3-Dimethyl-2,5-Dinitrobenzene	2230	200	ug/kg dry	2036	ND	110	75.8-121			
1,3-Dinitrobenzene	1800	200	ug/kg dry	2036	ND	88.6	58.7-132			
1,4-Dimethyl-2,3-Dinitrobenzene	2210	200	ug/kg dry	2120	ND	104	65.6-120			
1,4-Dimethyl-2,5-Dinitrobenzene	2240	200	ug/kg dry	2134	ND	105	69.3-127			
1,4-Dimethyl-2,6-Dinitrobenzene	2210	200	ug/kg dry	2102	ND	105	72.8-122			
1,5-Dimethyl-2,3-Dinitrobenzene	2110	200	ug/kg dry	2036	ND	104	63.4-128			
1,5-Dimethyl-2,4-Dinitrobenzene	2270	200	ug/kg dry	2095	ND	109	63.6-130			
2,4,6-Trinitrotoluene	7200	2000	ug/kg dry	2036	26200	NR	26.1-194			M1, D
2,4-Dinitrotoluene	1860	200	ug/kg dry	2036	205	81.3	66.7-135			
2,6-Dinitrotoluene	1950	200	ug/kg dry	2036	ND	95.8	66.1-127			
2-Amino-4,6-dinitrotoluene	1940	200	ug/kg dry	2036	396	75.9	39-140			
2-Nitrotoluene	1960	200	ug/kg dry	2036	ND	96.3	72-121			
3,4-Dinitrotoluene	1820	200	ug/kg dry	2036	ND	89.2	64.3-124			
3,5-Dinitroaniline	1850	200	ug/kg dry	2036	ND	91.1	33.5-149			
3-Nitrotoluene	1960	200	ug/kg dry	2036	ND	96.4	78.3-118			
4-Amino-2,6-dinitrotoluene	2500	200	ug/kg dry	2036	565	95.0	26.4-153			
4-Nitrotoluene	1950	200	ug/kg dry	2036	ND	95.6	78.6-116			
Nitrobenzene	1930	200	ug/kg dry	2036	ND	95.0	75.8-113			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1810</i>		<i>ug/kg dry</i>	<i>2036</i>		<i>88.8</i>	<i>48.3-152</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1850</i>		<i>ug/kg dry</i>	<i>2036</i>		<i>91.0</i>	<i>72-126</i>			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

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 A711093 - EPA 3570

Matrix Spike Dup (A711093-MSD1)

Source: A174115-CU

Prepared: 11/29/2017 Analyzed: 12/01/2017 03:10

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg dry	2075	ND	89.9	64.4-124	15.6	20	
1,2-Dimethyl-3,5-Dinitrobenzene	1860	200	ug/kg dry	2036	ND	91.4	67.8-131	15.6	20	
1,2-Dimethyl-3,6-Dinitrobenzene	1960	200	ug/kg dry	2036	ND	96.4	72.5-119	16.0	20	
1,2-Dimethyl-4,5-Dinitrobenzene	1910	200	ug/kg dry	2038	ND	93.8	62.8-131	17.2	20	
1,3,5-Trinitrobenzene	1650	200	ug/kg dry	2036	ND	80.8	39.2-186	2.00	20	
1,3-Dimethyl-2,4-Dinitrobenzene	1880	200	ug/kg dry	2036	ND	92.5	70.2-124	13.2	20	
1,3-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg dry	2036	ND	93.9	75.8-121	15.4	20	
1,3-Dinitrobenzene	1940	200	ug/kg dry	2036	ND	95.2	58.7-132	7.23	20	
1,4-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg dry	2120	ND	88.0	65.6-120	16.9	20	
1,4-Dimethyl-2,5-Dinitrobenzene	1920	200	ug/kg dry	2134	ND	90.0	69.3-127	15.3	20	
1,4-Dimethyl-2,6-Dinitrobenzene	1880	200	ug/kg dry	2102	ND	89.5	72.8-122	16.0	20	
1,5-Dimethyl-2,3-Dinitrobenzene	1840	200	ug/kg dry	2036	ND	90.5	63.4-128	13.6	20	
1,5-Dimethyl-2,4-Dinitrobenzene	1960	200	ug/kg dry	2095	ND	93.6	63.6-130	14.8	20	
2,4,6-Trinitrotoluene	7130	2000	ug/kg dry	2036	26200	NR	26.1-194	NR	20	M1, D
2,4-Dinitrotoluene	1870	200	ug/kg dry	2036	205	81.9	66.7-135	0.727	20	
2,6-Dinitrotoluene	1980	200	ug/kg dry	2036	ND	97.1	66.1-127	1.42	20	
2-Amino-4,6-dinitrotoluene	1950	200	ug/kg dry	2036	396	76.1	39-140	0.355	20	
2-Nitrotoluene	1970	200	ug/kg dry	2036	ND	96.7	72-121	0.415	20	
3,4-Dinitrotoluene	1800	200	ug/kg dry	2036	ND	88.2	64.3-124	1.21	20	
3,5-Dinitroaniline	1870	200	ug/kg dry	2036	ND	92.0	33.5-149	0.978	20	
3-Nitrotoluene	1990	200	ug/kg dry	2036	ND	97.5	78.3-118	1.19	20	
4-Amino-2,6-dinitrotoluene	2470	200	ug/kg dry	2036	565	93.3	26.4-153	1.73	20	
4-Nitrotoluene	1950	200	ug/kg dry	2036	ND	96.0	78.6-116	0.381	20	
Nitrobenzene	1960	200	ug/kg dry	2036	ND	96.2	75.8-113	1.30	20	
Surrogate: 2,2'-Dinitrobiphenyl	1790		ug/kg dry	2036		88.1	48.3-152			
Surrogate: Nitrobenzene-d5	1870		ug/kg dry	2036		92.0	72-126			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711041 - % Solids

Duplicate (A711041-DUP1)		Source: A174115-07		Prepared: 11/13/2017 Analyzed: 11/14/2017 08:55						
% Solids	99.6	0.00	% by Weight		99.6			0.0286	20	

Batch A711049 - % Solids

Duplicate (A711049-DUP1)		Source: A174115-21		Prepared: 11/14/2017 Analyzed: 11/15/2017 09:57						
% Solids	99.8	0.00	% by Weight		99.9			0.0571	20	

Batch A711053 - % Solids

Duplicate (A711053-DUP1)		Source: A174115-41		Prepared: 11/16/2017 Analyzed: 11/17/2017 11:23						
% Solids	98.0	0.00	% by Weight		97.0			0.991	20	

Batch A711057 - % Solids

Duplicate (A711057-DUP1)		Source: A174115-85		Prepared: 11/17/2017 Analyzed: 11/19/2017 11:30						
% Solids	99.7	0.00	% by Weight		99.7			0.00125	20	

Batch A711067 - % Solids

Duplicate (A711067-DUP1)		Source: A174115-61		Prepared: 11/20/2017 Analyzed: 11/22/2017 12:22						
% Solids	99.8	0.00	% by Weight		99.7			0.0821	20	

Batch A711070 - % Solids

Duplicate (A711070-DUP1)		Source: A174115-AB		Prepared: 11/21/2017 Analyzed: 11/22/2017 12:16						
% Solids	99.7	0.00	% by Weight		99.7			0.0361	20	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: 60545750
 Project Manager: Cary Pooler

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 A711072 - % Solids										
Duplicate (A711072-DUP1)		Source: A174115-AV		Prepared: 11/21/2017 Analyzed: 11/22/2017 12:10						
% Solids	99.7	0.00	% by Weight		99.8			0.0725	20	
Batch A711098 - % Solids										
Duplicate (A711098-DUP1)		Source: A174115-CI		Prepared: 11/30/2017 Analyzed: 12/01/2017 09:52						
% Solids	98.5	0.00	% by Weight		98.4			0.0722	20	
Batch A711099 - % Solids										
Duplicate (A711099-DUP1)		Source: A174115-CY		Prepared: 11/30/2017 Analyzed: 12/01/2017 09:42						
% Solids	98.3	0.00	% by Weight		99.6			1.32	20	
Batch A712006 - % Solids										
Duplicate (A712006-DUP1)		Source: A174908-01		Prepared: 12/05/2017 Analyzed: 12/07/2017 11:39						
% Solids	80.1	0.00	% by Weight		81.0			1.13	20	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: 60545750
Project Manager: Cary Pooler

Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
- 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
- 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. 7134

Page: 2 of: 2

Project Number: 8001		PO Number:		Lab Work Order #: A174115		Report To:	
Project Name: SI		Preservation Codes		Analyses Requested		Company:	
Project Location (City, State): Barkesdale		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix		Address 1:	
If Rush, Report Due Date:		Total # of Containers		Matrix		Address 2:	
Sampled By (Print): Jack Ruby / Dan Behm		Collection		Matrix		E-mail Address:	
Sample Description		Date		Time		Invoice To:	
		Date		Time		Company:	
		Date		Time		Address 1:	
		Date		Time		Address 2:	
		Date		Time		Comments	
		Date		Time		Lab ID	
		Date		Time		Lab Receipt Time	
SITC-170713-004C (3.5-4.0)		7/13/17		1430		S	
SITC-170713-004N (2.0-2.5)		/		1432		S	
SITC-170713-004S (1.5-2.0)		/		1434		S	
SITC-170713-004Z (1.0-4.0)		/		1436		S	
SITC-170713-005C (3.0-3.5)		/		1500		S	
SITC-170713-005N (2.0-2.5)		/		1502		S	
SITC-170713-005S (1.5-2.0)		/		1504		S	
SITC-170713-005Z (1.0-3.5)		/		1506		S	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: placed in site freezer at time of 7/13/17 of 1700 on		Relinquished By: <i>[Signature]</i> Date: 7/13/17 Time: 1700		Received By: <i>[Signature]</i> Date: 10/5/17 Time: 1000	
		Relinquished By: <i>[Signature]</i> Date: 10/5/17 Time: 1700		Received By: <i>[Signature]</i> Date: 10-05-17 Time: 1700			
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: Walk in		Receipt Temp: on ice		Thermometer #/ Exp. Date: Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7135

Page: 1 of 2

Project Number: 8001		PO Number:		Lab Work Order #: A174115		Report To:	
Project Name: SF		Preservation Codes		Analyses Requested		Company:	
Project Location (City, State): Barksdale		Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix		Address 1:	
If Rush, Report Due Date:		Total # of Containers		Matrix		Address 2:	
Sampled By (Print): Nick Shorkey / Jim Beck		Collection		Matrix		E-mail Address:	
Sample Description		Date		Time		Invoice To:	
						Company:	
						Address 1:	
						Address 2:	
						Comments	
						Lab ID	
						Lab Receipt Time	
SITC-170714-006C (3.5-4.0)		7/14/17		1530		je time on container 16:10	
SITC-170714-006N (2.5-3.0)				1532		je time on container 16:12	
SITC-170714-006S (2.5-3.0)				1534		je time on container 16:14	
SITC-170714-006Z (1.0-4.0)				1536		je time on container 16:16	
SITC-170714-007C (4.0-4.5)				1540		je time + DUP/MS/MSD 16:24	
SITC-170714-007N (2.0-2.5)				1542		je time on container 16:22	
SITC-170714-007S (3.0-3.5)				1544		je time on container 16:20	
SITC-170714-007E (1.0-4.5)				1546		je time on container 16:18	
Preservation Codes		Other Comments:		Relinquished By:		Date:	
A=None B=HCL C=H ₂ SO ₄		stowed inside		[Signature]		10/5/17	
D=HNO ₃ E=EnCore F=Methanol		freezer following		[Signature]		1000	
G=NaOH O=Other (Indicate)		sampling		[Signature]		10/5/17	
Matrix Codes		on 7/14/17		Custody Seal:		Time:	
A=Air S=Soil W=Water O=Other				<input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		1700	
				Shipped Via:		Received By:	
				Walkin		[Signature]	
				Receipt Temp:		Date:	
				onice		10-05-17	
				Thermometer #/ Exp. Date:		Time:	
						1000	
				Temp Blank:		1700	
				<input type="checkbox"/> Y <input type="checkbox"/> N			



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CHAIN OF CUSTODY

No. 7136

Page: of:

Project Number: <u>8001</u>		PO Number:		Lab Work Order #: <u>A174115</u>		Report To:	
Project Name: <u>SI</u>		Project Location (City, State): <u>Barksdale</u>		Preservation Codes		Company:	
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush		If Rush, Report Due Date:		Analyses Requested		Address 1:	
Sampled By (Print): <u>Nick Sherkey & Jim Beck</u>		Matrix: <u>NOOC</u>		Total # of Containers: <u>NOOC</u>		Address 2:	
Sample Description		Collection Date		Collection Time		E-mail Address:	
						Invoice To:	
						Company:	
						Address 1:	
						Address 2:	
						Comments	
						Lab ID	
						Lab Receipt Time	
<u>SITG-170714-008C (3.5-4.0)</u>		<u>7/14/17</u>		<u>1620</u>		<u>jet time on container 16:28 25</u>	
<u>SITG-170714-008N (3.0-3.5)</u>		<u>↓</u>		<u>1622</u>		<u>jet time on container 16:32 26</u>	
<u>SITG-170714-008S (1.5-2.0)</u>		<u>↓</u>		<u>1624</u>		<u>jet time on container 16:26 27</u>	
<u>SITG-170714-008Z (1.0-4.0)</u>		<u>↓</u>		<u>1626</u>		<u>jet time on container 16:30 28</u>	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments: <u>Samples placed in site freezer directly after sampling on 7/14/17</u>		Relinquished By: <u>[Signature]</u>		Date: <u>10/5/17</u>	
Matrix Codes 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>Walk in</u>		Receipt Temp: <u>on ice</u>	
				Received By: <u>[Signature]</u>		Date: <u>10/5/17</u>	
				Received By: <u>[Signature]</u>		Date: <u>10/05/17</u>	
				Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7137

Page: of:

Project Number: <u>8001</u>		PO Number:		Lab Work Order #: <u>A174115</u>		Report To:									
Project Name: <u>SI</u>		Preservation Codes		Analyses Requested		Company:									
Project Location (City, State): <u>Barkdale, WI</u>				Address 1:		Address 2:									
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush				Address 1:		Address 2:									
If Rush, Report Due Date:				Address 1:		Address 2:									
Sampled By (Print): <u>Nick Shorkey / Dan Barten</u>				Address 1:		Address 2:									
Sample Description		Collection		Matrix	Total # of Containers							Comments	Lab ID	Lab Receipt Time	
		Date	Time												
<u>SITC-170717-009C (2.5-3.0)</u>		<u>7/17/17</u>	<u>1015</u>	<u>S</u>	<u>1</u>	<u>X</u>								<u>29</u>	
<u>SITC-170717-009N (2.0-2.5)</u>			<u>1016</u>	<u>S</u>	<u>1</u>	<u>X</u>								<u>30</u>	
<u>SITC-170717-009S (1.5-2.0)</u>			<u>1017</u>	<u>S</u>	<u>1</u>	<u>X</u>								<u>31</u>	
<u>SITC-170717-009Z (1.0-3.0)</u>			<u>1018</u>	<u>S</u>	<u>1</u>	<u>X</u>								<u>32</u>	
<u>SITC-170717-010X</u>			<u>1435</u>	<u>S</u>	<u>1</u>	<u>X</u>						<u>Removed by (15) 10/5/17</u>			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments: <u>Placed in site freezer</u> <u>on 7/17/17</u>		Relinquished By: <u>[Signature]</u>		Date: <u>10/5/17</u>	Time: <u>1000</u>	Received By: <u>[Signature]</u>		Date: <u>10/5/17</u>	Time: <u>1000</u>				
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By: <u>[Signature]</u>		Date: <u>10/5/17</u>	Time: <u>1700</u>	Received By: <u>[Signature]</u>		Date: <u>10-05-17</u>	Time: <u>1700</u>				
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: <u>Walk in</u>		Receipt Temp: <u>on ice</u>		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N					



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CHAIN OF CUSTODY

No. 5865

Page: 1 of 1

Project Number: 8001					PO Number:					Lab Work Order #: A174115					Report To:									
Project Name: SI					Preservation Codes					Company:					Address 1:									
Project Location (City, State): Barkdale					Analyses Requested					Address 2:					E-mail Address:									
Turn Around (check one): <input type="checkbox"/> Normal <input type="checkbox"/> Rush					Matrix Total # of Containers NHOCs					Invoice To:					Company:									
If Rush, Report Due Date:										Address 1:					Address 2:									
Sampled By (Print): Ronda Bailey										Comments					Lab ID					Lab Receipt Time				
Sample Description		Collection		Matrix	Total # of Containers																			
Date	Time	Date	Time																					
SITG-170720-011Z (0.0-0.5)		7/20/17	14:04	S	1	X												33						
SITG-170720-012Z (0.0-0.5)		7/20/17	14:09	S	1	X												34						
SITG-170720-013Z (0.0-0.5)			14:14	S	1	X												35						
SITG-170720-014Z (0.0-0.5)			14:19	S	1	X												36						
SITG-170720-015Z (0.0-0.5)			14:24	S	1	X												37						
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments: Placed in freezer shortly after sampling @ 1645 on 7/20/17.		Relinquished By: [Signature]					Date: 10/5/17	Time: 1000	Received By: [Signature]					Date: 10/5/17	Time: 1000							
Matrix Codes A=Air S=Soil W=Water O=Other		Relinquished By: [Signature]					Date: 10/5/17	Time: 1700	Received By: [Signature]					Date: 10-05-17	Time: 1700									
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact					Shipped Via: Walk on					Receipt Temp: on ice					Thermometer #/ Exp. Date: _____					Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N				



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CHAIN OF CUSTODY

No. 7155

Page: 1 of 1

Project Number: 60545750					PO Number:					Lab Work Order #: A174115					Report To:												
Project Name: Barksdale SJ					Project Location (City, State): Ashland, 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): Dan Barton															Address 2:												
															E-mail Address:												
															Invoice To:												
															Company:												
															Address 1:												
															Address 2:												
Sample Description			Collection Date		Time	Matrix	Total # of Containers												Comments	Lab ID	Lab Receipt Time						
SITG-170822-018Z (1-5)			8-22-17	1500	S	1	X	X												38							
SITG-170822-019Z (1-5)			↓	1510	S	1	X	X												39							
SITG-170822-020Z (1-5)			↓	1520	S	1	X	X												40							
Preservation Codes					Other Comments:					Relinquished By:					Date:		Time:		Received By:					Date:		Time:	
A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)					Samples placed in site freezer on 8/22/17 @ 1640										10/5/17		1000							10/5/17		1000	
Matrix Codes					Custody Seal:					Shipped Via:					Receipt Temp.:		Thermometer #/ Exp. Date:					Temp Blank:					
A=Air S=Soil W=Water O=Other					<input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact					Walk In					on ice							<input type="checkbox"/> Y <input type="checkbox"/> N					



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CHAIN OF CUSTODY

No. 7138

Page: 1 of 2

Project Number: 60545750		PO Number:		Lab Work Order #: A174115		Report To:	
Project Name: Barksdale SI		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): Ronda Bailey		Matrix		Total # of Containers		Address 2:	
Sample Description		Collection Date		Collection Time		E-mail Address:	
		Date		Time		Invoice To:	
		Date		Time		Company:	
		Date		Time		Address 1:	
		Date		Time		Address 2:	
		Date		Time		Comments	
		Date		Time		Lab ID	
		Date		Time		Lab Receipt Time	
SITG 170823-021N 3.0'		8-23-17		0904		S 1	
SITG 170823-021NW 3.5'				0909		S 1	
SITG 170823-021S 3.0'				0914		S 1	
SITG 170823-021E 3-5.5'				0919		S 1	
SITG 170823-021SW 3.5'				0853		S 1	
SITG 170823-021C 5.5'				0858		S 1	
SITG 170823-022S 2.5'				0855		S 1	
SITG 170823-022N 5'				0900		S 1	
SITG 170828-022C 5'				0905		S 1	
SITG 170828-022E 5'				0910		S 1	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: Placed in 52 170823 8-23-17		Relinquished By: <i>[Signature]</i> Date: 10/5/17 Time: 1000		Received By: <i>[Signature]</i> Date: 10/5/17 Time: 1000	
		Relinquished By: <i>[Signature]</i> Date: 10/5/17 Time: 1700		Received By: <i>[Signature]</i> Date: 10-05-17 Time: 1700			
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: walk in		Receipt Temp: on ice		Thermometer #/ Exp. Date:	
						Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7157

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Project Number: <u>60545750</u>		PO Number:		Lab Work Order #: <u>A174115</u>		Report To:			
Project Name: <u>Barksdale SI</u>		Preservation Codes		Analyses Requested		Company: <u>AECOM</u>			
Project Location (City, State): <u>Barksdale, WI</u>		Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix Total # of Containers <u>NNOC</u> <u>2 Moisture</u>		Address 1:			
If Rush, Report Due Date:		Sampled By (Print): <u>Randi Bailey</u>				Address 2:		E-mail Address:	
Sample Description		Collection Date Time				Comments		Lab ID Lab Receipt Time	
SITG 170823 - 023 S 2.5'		8/23/17 0915		S 1		X X		51	
SITG 170823 - 023 C 5'		0925		S 2				52	
SITG 170823 - 023 N 5'		0920		S 1				53	
SITG 170823 - 023 Z 2.5-5'		0930		S 1				54	
SITG 170823 - 024 Z ^{5.5'} _{-8'}		1015		S 1				55	
SITG 170823 - 025 Z ^{5.5'} _{-8'}		1030		S 1				56	
SITG 170823 - 026 Z ^{5.5'} _{-8'}		1045		S 1				57	
SITG 170823 - 027								-	
SITG 170823 - 028								-	
SITG 170823 - 029								-	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: <u>Placed on Freezer on 8-23-17</u>		Relinquished By: <u>[Signature]</u> Date: <u>10/5/17</u> Time: <u>1000</u>		Received By: <u>[Signature]</u> Date: <u>10/5/17</u> Time: <u>1000</u>			
		Relinquished By: <u>[Signature]</u> Date: <u>10/5/17</u> Time: <u>1700</u>		Received By: <u>[Signature]</u> Date: <u>10-05-17</u> Time: <u>1700</u>					
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>Walk in</u>		Receipt Temp: <u>on ice</u>		Thermometer #/ Exp. Date: Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7156

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Project Number: 60845750		PO Number:		Lab Work Order #: A174115				Report To:			
Project Name: Barksdale-SI		Preservation Codes				Company: AECOM					
Project Location (City, State):		Analyses Requested				Address 1:					
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix: Total # of Containers: W/OC % Methanol				Address 2:					
If Rush, Report Due Date:						E-mail Address:					
Sampled By (Print): Dan Barton/Ronda Bailey						Invoice To:					
Sample Description		Collection		Matrix		Total # of Containers		Comments		Lab ID	Lab Receipt Time
		Date	Time								
SITG 082417-027Z (0-4')		8/24/17	0945	S	1	X	X	date is 170824		58	
SITG 082417-028Z (0-4')			1005	S	1					59	
SITG 082417-029Z (0-4')			0954	S	1					60	
SITG 082417-030Z (0-4')			1040	S	1					61	
SITG 082417-031Z (0-5')			1515	S	1					62	
SITG 082417-032Z (0-5')			1520	S	1					63	
SITG 082417-033Z (0-5')			1525	S	1					64	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: Placed in heater 8/24/17		Relinquished By: <i>[Signature]</i> Date: 10/5/17 Time: 1000		Relinquished By: <i>[Signature]</i> Date: 10/5/17 Time: 1700		Received By: <i>[Signature]</i> Date: 10/5/17 Time: 1000		Received By: <i>[Signature]</i> Date: 10/5/17 Time: 1700	
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: Walkin		Receipt Temp: on ice		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7158

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Project Number: 60545750		PO Number:		Lab Work Order #: A174115		Report To:					
Project Name: Barksdale SI		Preservation Codes		Analyses Requested		Company: AECOM					
Project Location (City, State): Barksdale, WI		Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix Total # of Containers NNDC's DB # 10/5/17		Address 1:					
If Rush, Report Due Date:		Sampled By (Print): Dan Barton				Address 2:					
Sample Description		Collection				E-mail Address:					
		Date	Time			Invoice To:					
						Company:					
						Address 1:					
						Address 2:					
						Comments					
						Lab ID					
						Lab Receipt Time					
SITG170825-034C (5')		8/25/17	0905	S	1	✓	✓	65			
SITG170825-034Z (0-5')			0910	S	1	✓	✓	66			
SITG170825-034E (2')			0908	S	1	✓	✓	67			
SITG170825-034W (2')			0855	S	1	✓	✓	68			
SITG170825-035C (5')			0915	S	1	✓	✓	69			
SITG170825-035W (2')			0920	S	1	✓	✓	70			
SITG170825-035E (3')			0925	S	1	✓	✓	71			
SITG170825-035Z (0-5')			0930	S	1	✓	✓	72			
SITG170825-036C (4')			0945	S	1	✓	✓	73	split boxes		
SITG170825-036Z (0-4')		↓	0950	S	1	✓	✓	74			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 10/5/17	Time: 1000	Received By: <i>[Signature]</i>		Date: 10/5/17	Time: 1000
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By: <i>[Signature]</i>		Date: 10/5/17	Time: 1700	Received By: <i>[Signature]</i>		Date: 10-05-17	Time: 1700
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: Walk In		Receipt Temp: on ice		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7159

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Lab Work Order #: A174115				Report To:				
Preservation Codes				Company: AECOM				
Analyses Requested				Address 1:				
				Address 2:				
				E-mail Address:				
				Invoice To:				
				Company:				
				Address 1:				
				Address 2:				
				Comments		Lab ID	Lab Receipt Time	
						75		
						76		
						77		
						78		
						79		
						80		
				boxes split		81		
						82		
						83		
						84		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments: Relinquished By: <i>[Signature]</i> Relinquished By: <i>[Signature]</i> Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Date:	Time:	Received By:	Date:	Time:
Matrix Codes A=Air S=Soil W=Water O=Other				10/5/17	1000	<i>[Signature]</i>	10/5/17	1000
				10/5/17	1700	<i>[Signature]</i>	10/5/17	1700
				Shipped Via:	Receipt Temp:	Thermometer #/ Exp. Date:	Temp Blank:	
				walk in	once		<input type="checkbox"/> Y <input type="checkbox"/> N	

Project Number: **60545750** PO Number:

Project Name: **Barksdale SI**

Project Location (City, State): **Barksdale, WI**

Turn Around (check one): Normal Rush

If Rush, Report Due Date:

Sampled By (Print): **Dan Barton**

Sample Description	Collection		Matrix	Total # of Containers	NNOC'S	Other						
	Date	Time										
SITG170825-036E (2')	8/25/17	0947	S	1	✓	✓						
SITG170825-036W (2')		0955	S	1	✓	✓						
SITG170825-037C (4')		1000	S	1	✓	✓						
SITG170825-037Z (0-4')		1006	S	1	✓	✓						
SITG170825-037E (2')		1002	S	1	✓	✓						
SITG170825-037W (3')		1004	S	1	✓	✓						
SITG170825-038C (4.5')		1340	S	1	✓	✓						
SITG170825-038Z (0-4.5')		1342	S	1	✓	✓						
SITG170825-038E (2')		1344	S	1	✓	✓						
SITG170825-038W (2')		1346	S	1	✓	✓						



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CHAIN OF CUSTODY

No. 7160

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Project Number: <u>60545750</u>		PO Number:		Lab Work Order #: <u>A174115</u>		Report To:	
Project Name: <u>Barksdale SI</u>		Project Location (City, State): <u>Barksdale, WI</u>		Preservation Codes		Company: <u>AECOM</u>	
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): <u>Dan Barton</u>		Matrix		Total # of Containers		Address 2:	
Sample Description		Collection		Matrix		E-mail Address:	
		Date	Time			Invoice To:	
SITG170825-039C (4')		8/24/17	1334	S	1	Company:	
SITG170825-039E (0-4')			1336	S	1	Address 1:	
SITG170825-039 ^E -MS/MSD (4')			1335	S	1	Address 2:	
SITG170825-039E (1')			1330	S	1	Comments	
SITG170825-039W (1')			1332	S	1	Lab ID	
SITG170825-040C (5')			1338	S	1	Lab Receipt Time	
SITG170825-040Z (0-5')			1340	S	1	85 Dup=CW	
SITG170825-040E (3')			1342	S	1	86	
SITG170825-040W (3')			1344	S	1	87 CW	
SITG170825-040C MS/MSD			1339	S	1	88	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: Relinquished By: <u>[Signature]</u> Date: <u>10/15/17</u> Time: <u>1000</u> Relinquished By: <u>[Signature]</u> Date: <u>10/5/17</u> Time: <u>1700</u>		Relinquished By: <u>[Signature]</u> Date: <u>10/15/17</u> Time: <u>1700</u>		Received By: <u>[Signature]</u> Date: <u>10/5/17</u> Time: <u>1000</u> Received By: <u>[Signature]</u> Date: <u>10-05-17</u> Time: <u>1700</u>	
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>Walk In</u>		Receipt Temp: <u>on ice</u>		Thermometer #/ Exp. Date:	
						Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7161

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Project Number: 60545750		PO Number:		Lab Work Order #: A174115		Report To:		Company: AEGOM			
Project Name: WV Barksdale SI		Project Location (City, State): Barksdale, WI		Preservation Codes		Address 1:		Address 2:			
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		If Rush, Report Due Date:		Analyses Requested		E-mail Address:		Invoice To:			
Sampled By (Print): Dan Barton		Matrix		Total # of Containers		Company:		Address 1:			
Sample Description		Collection Date		Time		Comments		Lab ID			
SITG170825-41Z (0-5')		8/25/17		1410		041Z j		93			
SITG170825-42Z (0-5')				1412		042Z j		94			
SITG170825-043Z (0-5')				1414		+MS/MSD/DUP boxes split		95 Dup=CX			
SITG170825-044C (5')				1420		j time on container 14:30		96			
SITG170825-044Z (0-5')				1422				97			
SITG170825-044E (3')				1424				98			
SITG170825-044W (3')				1426				99			
SITG170825-045C (4.5')				1430				AA			
SITG170825-045Z (0-4.5')				1432				AB			
SITG170825-045E (2')		↓		1434				AC			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>Mark Johnson</i> Date: 10/5/17 Time: 1000		Received By: <i>[Signature]</i> Date: 10/5/17 Time: 1000		Relinquished By: <i>[Signature]</i> Date: 10/5/17 Time: 1700		Received By: <i>[Signature]</i> Date: 10-25-17 Time: 1700	
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: walk in		Receipt Temp: on ice		Thermometer #/Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N			



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CHAIN OF CUSTODY

No. 7162

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Project Number: <u>60545750</u>		PO Number:		Lab Work Order #: <u>A174115</u>		Report To:																																					
Project Name: <u>Barkside SE</u>		Preservation Codes		Analyses Requested		Company: <u>AECOM</u>																																					
Project Location (City, State): <u>Barkside, WI</u>		Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Matrix</th> <th>Total # of Containers</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </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> </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> </tr> </table>		Matrix	Total # of Containers	1	2	3	4	5	6	7	8	9	10																									Address 1:	
Matrix	Total # of Containers	1	2			3	4	5	6	7	8	9	10																														
If Rush, Report Due Date:		Sampled By (Print): <u>Dan Barton</u>				Address 2:																																					
Sample Description		Collection Date				Collection Time		E-mail Address:																																			
						Invoice To:																																					
						Company:																																					
						Address 1:																																					
						Address 2:																																					
						Comments																																					
						Lab ID																																					
						Lab Receipt Time																																					
<u>SITG170825-45W (2')</u>		<u>8/25/17</u>	<u>1436</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>	<u>045W j</u>	<u>AD</u>																																		
<u>SITG170825-46C (4')</u>		<u> </u>	<u>1444</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>	<u>046C j</u>	<u>AE</u>																																		
<u>SITG170825-046Z (0-4')</u>			<u>1446</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>		<u>AF</u>																																		
<u>SITG170825-046E (1.5')</u>			<u>1440</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>		<u>AG</u>																																		
<u>SITG170825-046W (1.5')</u>			<u>1442</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>		<u>AH</u>																																		
<u>SITG170825-047C (4')</u>			<u>1448</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>		<u>AI</u>																																		
<u>SITG170825-047Z (0-4')</u>			<u>1450</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>	<u>jo time on container 14:46</u>	<u>AJ</u>																																		
<u>SITG170825-047E (2')</u>			<u>1452</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>		<u>AK</u>																																		
<u>SITG170825-047W (2')</u>			<u>1454</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>		<u>AL</u>																																		
<u>SITG170825-043Z MS/MS 6's</u>			<u>1414</u>	<u>S</u>	<u>1</u>	<u>✓</u>	<u>✓</u>	<u>on other chain</u>	<u>—</u>																																		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments: Relinquished By: <u>Mark Gresham</u> Date: <u>10/5/17</u> Time: <u>1000</u> Relinquished By: <u>[Signature]</u> Date: <u>10/5/17</u> Time: <u>1700</u> Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>Walk In</u> Receipt Temp: <u>on ice</u>		Received By: <u>[Signature]</u> Date: <u>10/5/17</u> Time: <u>1000</u> Received By: <u>[Signature]</u> Date: <u>10-05-17</u> Time: <u>1700</u>		Thermometer #/ Exp. Date: Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																																			

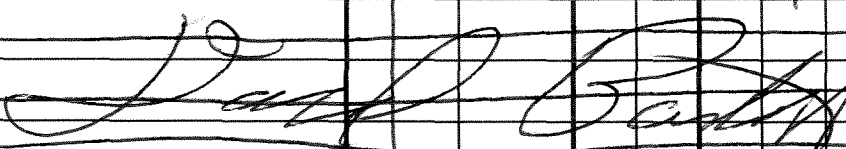

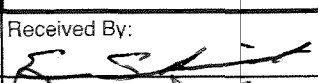
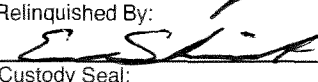



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CHAIN OF CUSTODY

No. 7163

Page: 6 of: 6

Project Number: 60545750		PO Number:		Lab Work Order #: A174115		Report To:			
Project Name: Barksdale SF		Preservation Codes		Analyses Requested		Company: AECOM			
Project Location (City, State): Barksdale, WI		Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix: NNOX's Total # of Containers: 10 % Moisture:		Address 1:			
If Rush, Report Due Date:		Sampled By (Print): Daniel Barton				Address 2:		E-mail Address:	
Sample Description		Collection Date				Time		Invoice To:	
						Company:			
						Address 1:			
						Address 2:			
						Comments			
						Lab ID			
						Lab Receipt Time			
SITG170825-48Z (0-4') j		8/29/17		1458		S 1 X X			
SITG170825-49Z (0-4') j				1459		S 1 X X			
SITG170825-50Z (0-4') j				1500		S 1 X X			
SITG170825-51Z (0-4') j				1501		S 1 X X			
									
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By:  Date: 10/5/17 Time: 1000		Received By:  Date: 10/5/17 Time: 1000			
Matrix Codes A=Air S=Soil W=Water O=Other		Relinquished By:  Date: 10/5/17 Time: 1700		Received By:  Date: 10-05-17 Time: 1700		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact			
		Shipped Via: Walk In		Receipt Temp: on ice		Thermometer #/ Exp. Date:			
						Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N			



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CHAIN OF CUSTODY

No. 7165

Page: 1 of 1

Project Number: 60545750		PO Number:		Lab Work Order #: A174115		Report To:			
Project Name: Barksdale SI		Preservation Codes		Analyses Requested		Company: AECOM			
Project Location (City, State): Barksdale, WI		Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix: Total # of Containers: NDOC'S to moisture		Address 1:			
If Rush, Report Due Date:		Sampled By (Print): Dan Barton				Address 2:		E-mail Address:	
Sample Description		Collection Date				Time		Invoice To:	
						Company:			
						Address 1:			
						Address 2:			
						Comments			
						Lab ID			
						Lab Receipt Time			
SITG170829 053Z (0-4')		8/29/17		1436		AQ			
SITG170829 053C (4')		↓		1430		AR			
SITG170829 053E (2-2.5')		↓		1434		AS			
SITG170829 053W (2-2.5')		↓		1432		AT			
SITG170829 054Z (0-4')		↓		1440		AU			
<i>[Signature]</i>									
Preservation Codes		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 10/5/17			
A=None B=HCL C=H ₂ SO ₄				Date: 10/5/17		Time: 1000			
D=HNO ₃ E=EnCore F=Methanol				Time: 1700		Received By: <i>[Signature]</i>			
G=NaOH O=Other (Indicate)				Received By: <i>[Signature]</i>		Date: 10-05-17			
Matrix Codes		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: WALK IN		Receipt Temp: ON ICE			
A=Air S=Soil W=Water O=Other				Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N			



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CHAIN OF CUSTODY

No. 7166

Page: 1 of 3

Project Number: 60545750		PO Number:		Lab Work Order #: A174115		Report To:					
Project Name: Barksdale SI		Preservation Codes		Analyses Requested		Company: AECOM					
Project Location (City, State): Barksdale, WI		Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix Total # of Containers NNDCC'S <i>for moisture</i>		Address 1:					
If Rush, Report Due Date:		Sampled By (Print): Dan Barten/Nick Shortley				Address 2:					
Sample Description		Collection Date Time				E-mail Address:					
						Invoice To:					
						Company:					
						Address 1:					
						Address 2:					
						Comments					
						Lab ID					
						Lab Receipt Time					
SITG170920-55c (6-6.5')		9/24/17	11:26	S	1	✓	✓	055c time on container 11:37	AV		
SITG170920-55z (6-6.5')			11:37	S	1	✓	✓	055z j	AW		
SITG170920-56c (6-6.5')			11:26	S	1	✓	✓	056c j	AX		
SITG170920-56z (6-6.5')			11:26	S	1	✓	✓	056z j boxes split	AY		
SITG170920-57c (6-6.5')			11:38	S	1	✓	✓	057c j	AZ		
SITG170920-57z (6-6.5')			11:38	S	1	✓	✓	057z j	BA		
SITG170920-58c (6-6.5')			11:41	S	1	✓	✓	058c j	BB		
SITG170920-58z (6-6.5')			11:41	S	1	✓	✓	058z j	BC		
SITG170920-59c (7.5-8')			11:55	S	1	✓	✓	depth 059c time on container 6:6.5	BD		
SITG170920-59z (7.5-8')			11:57	S	1	✓	✓	059z j	BE		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate) Matrix Codes A=Air S=Soil W=Water O=Other		Other Comments:		Relinquished By: <i>[Signature]</i>		Date: 10/5/17	Time: 1000	Received By: <i>[Signature]</i>	Date: 10/5/17	Time: 1000	
				Relinquished By: <i>[Signature]</i>		Date: 10/5/17	Time: 1700	Received By: <i>[Signature]</i>	Date: 10/5/17	Time: 1700	
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: Walk In		Receipt Temp: on ice		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7167

Page: 2 of: 3

Project Number: <u>60545750</u> PO Number:		Lab Work Order #: <u>A174115</u>		Report To:			
Project Name: <u>Barkesdale SI</u>		Preservation Codes		Company: <u>AECOM</u>			
Project Location (City, State): <u>Barkesdale, WI</u>		Analyses Requested		Address 1:			
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix Total # of Containers <u>WDOC'S</u> <u>90 barrels</u>		Address 2:			
If Rush, Report Due Date:				E-mail Address:			
Sampled By (Print): <u>Dan Barton / Nick Sherkay</u>				Invoice To:			
				Company:			
		Address 1:		Address 2:			
				Address 2:			
Sample Description		Collection		Comments		Lab ID	Lab Receipt Time
		Date Time					
<u>SITG170920-60C (7.5-8')</u>		<u>9/20/17 1139</u>		<u>S 1 0 ✓</u>		<u>060C j</u>	<u>BF</u>
<u>SITG170920-60Z (7.5-8')</u>		<u>1142</u>		<u>S 2 1 ✓</u>		<u>060Z j</u>	<u>BG</u>
<u>SITG170920-61C (5-5.5')</u>		<u>1144</u>		<u>S 1 1 ✓</u>		<u>061C j</u>	<u>BH</u>
<u>SITG170920-61Z (4-6')</u>		<u>1146</u>		<u>S 3 1 ✓</u>		<u>061Z j</u>	<u>BI</u>
<u>SITG170920-62C (8-8.5')</u>		<u>1138</u>		<u>S 2 1 ✓</u>		<u>062C j</u>	
<u>SITG170920-62Z (8-8.5')</u>		<u>1137</u>		<u>S 1 1 ✓</u>		<u>062Z j</u>	<u>BJ</u>
<u>SITG170920-63C (6-7')</u>		<u>1515</u>		<u>S 1 1 ✓</u>		<u>063C j</u>	<u>BK</u>
<u>SITG170920-63Z (6-7')</u>		<u>1517</u>		<u>S 1 1 ✓</u>		<u>063Z j</u>	<u>BL</u>
<u>SITG170920-64C (7-7.5')</u>		<u>1131</u>		<u>S 1 1 ✓</u>		<u>064C j</u>	<u>BM</u>
<u>SITG170920-64Z (7-7.5')</u>		<u>1133</u>		<u>S 1 1 ✓</u>		<u>064Z j</u>	<u>BN</u>
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <u>[Signature]</u> Date: <u>10/15/17</u> Time: <u>1000</u>		Received By: <u>[Signature]</u> Date: <u>10/15/17</u> Time: <u>1000</u>	
Matrix Codes A=Air S=Soil W=Water O=Other		Relinquished By: <u>[Signature]</u> Date: <u>10/15/17</u> Time: <u>1700</u>		Received By: <u>[Signature]</u> Date: <u>10-25-17</u> Time: <u>1706</u>			
Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>Walker</u>		Receipt Temp: <u>on ice</u>		Thermometer #/ Exp. Date: _____	
						Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7172

Page: 3 of 3

Project Number: 60545750		PO Number:		Lab Work Order #: A174115				Report To:																																																																																																																																																																								
Project Name: Barksdale SI		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: MDOCs Total # of Containers: 10 of master				Address 2:																																																																																																																																																																										
If Rush, Report Due Date:						E-mail Address:																																																																																																																																																																										
Sampled By (Print): Dan Barton/Mick Shereley		<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">MDOCs</th> <th rowspan="2">of master</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>SITG170920-65Z (2-6')</td><td>9/20/17</td><td>1140</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>065Z</td><td>BO</td><td></td></tr> <tr><td>SITG170920-66Z (2-6')</td><td></td><td>1144</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>066Z</td><td>BP</td><td></td></tr> <tr><td>SITG170920-67Z (2-7')</td><td></td><td>1146</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>067Z</td><td>BO</td><td></td></tr> <tr><td>SITG170920-68Z (2-7')</td><td></td><td>1148</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>068Z</td><td>BR</td><td></td></tr> <tr><td>SITG170920-69Z (2-8')</td><td></td><td>1152</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>069Z</td><td>BS</td><td></td></tr> <tr><td>SITG170920-70N (4-4.5')</td><td></td><td>15:00</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>070N</td><td>BT</td><td></td></tr> <tr><td>SITG170920-70C (4-4.5')</td><td></td><td>15:02</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>070C</td><td>BU</td><td></td></tr> <tr><td>SITG170920-70S (4-4.5')</td><td></td><td>15:04</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>070S</td><td>BV</td><td></td></tr> <tr><td>SITG170920-70Z (6-7.5')</td><td></td><td>15:12</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>070Z</td><td>BW</td><td></td></tr> <tr><td>SITG170920-70B (7-7.5')</td><td></td><td>15:10</td><td>S</td><td>1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>070B</td><td>BX</td><td></td></tr> </tbody> </table>				Sample Description	Collection		Matrix	Total # of Containers	MDOCs	of master						Comments	Lab ID	Lab Receipt Time	Date	Time	SITG170920-65Z (2-6')	9/20/17	1140	S	1	✓	✓						065Z	BO		SITG170920-66Z (2-6')		1144	S	1	✓	✓						066Z	BP		SITG170920-67Z (2-7')		1146	S	1	✓	✓						067Z	BO		SITG170920-68Z (2-7')		1148	S	1	✓	✓						068Z	BR		SITG170920-69Z (2-8')		1152	S	1	✓	✓						069Z	BS		SITG170920-70N (4-4.5')		15:00	S	1	✓	✓						070N	BT		SITG170920-70C (4-4.5')		15:02	S	1	✓	✓						070C	BU		SITG170920-70S (4-4.5')		15:04	S	1	✓	✓						070S	BV		SITG170920-70Z (6-7.5')		15:12	S	1	✓	✓						070Z	BW		SITG170920-70B (7-7.5')		15:10	S	1	✓	✓						070B	BX		Invoice To:			
Sample Description	Collection						Matrix	Total # of Containers													MDOCs	of master						Comments	Lab ID	Lab Receipt Time																																																																																																																																																		
	Date					Time																																																																																																																																																																										
SITG170920-65Z (2-6')	9/20/17					1140	S	1	✓	✓						065Z	BO																																																																																																																																																															
SITG170920-66Z (2-6')						1144	S	1	✓	✓						066Z	BP																																																																																																																																																															
SITG170920-67Z (2-7')						1146	S	1	✓	✓						067Z	BO																																																																																																																																																															
SITG170920-68Z (2-7')						1148	S	1	✓	✓						068Z	BR																																																																																																																																																															
SITG170920-69Z (2-8')						1152	S	1	✓	✓						069Z	BS																																																																																																																																																															
SITG170920-70N (4-4.5')						15:00	S	1	✓	✓						070N	BT																																																																																																																																																															
SITG170920-70C (4-4.5')						15:02	S	1	✓	✓						070C	BU																																																																																																																																																															
SITG170920-70S (4-4.5')		15:04	S	1	✓	✓						070S	BV																																																																																																																																																																			
SITG170920-70Z (6-7.5')		15:12	S	1	✓	✓						070Z	BW																																																																																																																																																																			
SITG170920-70B (7-7.5')		15:10	S	1	✓	✓						070B	BX																																																																																																																																																																			
		Company:				Address 1:																																																																																																																																																																										
		Address 2:				Address 2:																																																																																																																																																																										

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

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

Other Comments:

Relinquished By: *[Signature]* Date: 10/5/17 Time: 1000

Relinquished By: *[Signature]* Date: 10/5/17 Time: 1700

Custody Seal: NA Intact Not Intact

Received By: *[Signature]* Date: 10/5/17 Time: 1000

Received By: *[Signature]* Date: 10-05-17 Time: 1700

Shipped Via: *WALTON* Receipt Temp: *on ice* Thermometer #/ Exp. Date: Temp Blank: Y N



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CHAIN OF CUSTODY

No. 7169

Page: 1 of 1

Project Number: <u>6054579</u> PO Number:		Lab Work Order #: <u>A174115</u>		Report To:					
Project Name: <u>Barkesdale SI</u>		Preservation Codes		Company: <u>AECOM</u>					
Project Location (City, State): <u>Barkesdale, WI</u>		Analyses Requested		Address 1:					
Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix Total # of Containers <u>MNOC'S</u> <u>to moisture</u>		Address 2:					
If Rush, Report Due Date:				E-mail Address:					
Sampled By (Print): <u>Dan Barton</u>				Invoice To:					
				Company:					
				Address 1:					
				Address 2:					
Sample Description		Collection		Comments		Lab ID	Lab Receipt Time		
	Date	Time	Matrix	Total # of Containers					
<u>SITG170921-7LZ (0-6')</u>	<u>9/21/17</u>	<u>10:37</u>	<u>S</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<u>SITG170921-6ZC (9.0-9.5')</u>	<u>9/21/17</u>	<u>9:01</u>	<u>S</u>	<u>1</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <u>[Signature]</u>	Date: <u>10/5/17</u>	Time: <u>1000</u>	Received By: <u>[Signature]</u>	Date: <u>10/5/17</u>	Time: <u>1000</u>
Matrix Codes A=Air S=Soil W=Water O=Other				Relinquished By: <u>[Signature]</u>	Date: <u>10/5/17</u>	Time: <u>1700</u>	Received By: <u>[Signature]</u>	Date: <u>10-05-17</u>	Time: <u>1700</u>
		Custody Seal: <input type="checkbox"/> NA <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <u>Walk In</u>		Receipt Temp: <u>On ice</u>	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	

0712 split boxes
0620C j



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CHAIN OF CUSTODY

No. 7181

Page: 1 of 3

Project Number: <u>60545750</u>		PO Number:		Lab Work Order #: <u>A174115</u>		Report To:	
Project Name: <u>BARKSDALE ST</u>		Preservation Codes		Analyses Requested		Company: <u>AECOM</u>	
Project Location (City, State): <u>BARKSDALE, WI</u>		Turn Around (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush		Matrix		Address 1:	
If Rush, Report Due Date:		Sampled By (Print): <u>NICK SHORREY + ERIC SCHMIDT</u>		Total # of Containers		Address 2:	
Sample Description		Collection Date Time		Matrix		E-mail Address:	
SITG-171010 - 072 Z		10/10/17 1638		S		Invoice To:	
SITG-171010 - 073 Z		1641				Company:	
SITG-171010 - 074 Z		1644				Address 1:	
SITG-171010 - 075 Z		1647				Address 2:	
SITG-171010 - 076 Z		1650				Comments	
SITG-171010 - 077 Z		1700				Lab ID	
SITG-171010 - 078 Z		1703				Lab Receipt Time	
SITG-171010 - 079 Z		1706				CA	
SITG-171010 - 080 Z		1707				CB	
SITG-171010 - 081 Z		1712				CC	
SITG-171010 - 081 Z		↓ 1712		↓		CD	
SITG-171010 - 081 Z		↓ 1712		↓		CE	
SITG-171010 - 081 Z		↓ 1712		↓		CF	
SITG-171010 - 081 Z		↓ 1712		↓		CG	
SITG-171010 - 081 Z		↓ 1712		↓		CH	
SITG-171010 - 081 Z		↓ 1712		↓		CI	
SITG-171010 - 081 Z		↓ 1712		↓		CJ	
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments: FedEx 8094 0448 9240		Relinquished By: <u>[Signature]</u> Date: <u>10/11/17</u> Time: <u>1200</u>		Received By: <u>[Signature]</u> Date: <u>10-12-17</u> Time: <u>1200</u>	
Matrix Codes 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>Fed Ex</u>		Receipt Temp: <u>2.3°C</u>	
				Thermometer #/ Exp. Date: <u>160142274 01-21-18</u>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



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CHAIN OF CUSTODY

No. 7192

Page: 2 of 3

Project Number: <u>60545750</u> PO Number:		Lab Work Order #: <u>A174115</u>		Report To:																																									
Project Name: <u>BARKSDALE ST</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		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Matrix</td> <td style="width:10%;">Total # of Containers</td> <td style="width:10%;">NNOCS</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <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> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Matrix	Total # of Containers	NNOCS																																						Address 2:	
Matrix	Total # of Containers			NNOCS																																									
If Rush, Report Due Date:		Sampled By (Print): <u>NICK SHARKEY + ERIC SCHMIDT</u>		E-mail Address:																																									
				Invoice To:																																									
Sample Description		Collection		Company:																																									
		Date	Time	Address 1:																																									
				Address 2:																																									
				Comments																																									
				Lab ID																																									
				Lab Receipt Time																																									
<u>SITG-171010 -082Z</u>		<u>10/10/17</u>	<u>1726</u>	<u>S</u>	<u>1</u>	<u>X</u>			<u>CK</u>																																				
<u>SITG-171010 -083Z</u>			<u>1729</u>		<u>1</u>	<u>X</u>			<u>CL</u>																																				
<u>SITG-171010 -084Z</u>			<u>1732</u>		<u>1</u>	<u>X</u>			<u>CM</u>																																				
<u>SITG-171010 -085Z</u>			<u>1727</u>		<u>1</u>	<u>X</u>		<u>time on container 15:27</u>	<u>CN</u>																																				
<u>SITG-171010 -086Z</u>			<u>1730</u>		<u>1</u>	<u>X</u>		<u>time on container 15:30</u>	<u>CO</u>																																				
<u>SITG-171010 -087Z</u>			<u>1733</u>		<u>1</u>	<u>X</u>		<u>time on container 15:33</u>	<u>CP</u>																																				
<u>SITG-171010 -088Z</u>			<u>1740</u>		<u>1</u>	<u>X</u>			<u>CQ</u>																																				
<u>SITG-171010 -089Z</u>			<u>1743</u>		<u>1</u>	<u>X</u>			<u>CR</u>																																				
<u>SITG-171010 -090Z</u>		<u>↓</u>	<u>1746</u>	<u>↓</u>	<u>1</u>	<u>X</u>			<u>CS</u>																																				
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <u>[Signature]</u>		Date: <u>10/11/17</u>	Time: <u>1200</u>	Received By: <u>[Signature]</u>		Date: <u>10-12-17</u>	Time: <u>1200</u>																																		
Matrix Codes 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>2.3°C</u>	Thermometer #/ Exp. Date: <u>1160142274 01-21-18</u>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																																				



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CHAIN OF CUSTODY

No. 7193

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Project Number: <u>60545750</u> PO Number: _____		Lab Work Order #: <u>A174115</u>		Report To: _____																					
Project Name: <u>BARKSDALE ST</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		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">Matrix</th> <th style="width:10%;">Total # of Containers</th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> </tr> <tr> <td></td> <td style="text-align:center;">NNOCS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Matrix	Total # of Containers										NNOCS									Address 2: _____	
Matrix	Total # of Containers																								
	NNOCS																								
If Rush, Report Due Date: _____				Invoice To: _____		Company: _____																			
Sampled By (Print): <u>NICK SHORKEY + ERIC SCHMIDT</u>		Address 1: _____		Address 2: _____																					
Sample Description	Collection		Matrix	Total # of Containers								Comments	Lab ID	Lab Receipt Time											
	Date	Time																							
<u>SITG-171011-091Z</u>	<u>10/11/17</u>	<u>09:10</u>	<u>S</u>	<u>1</u>	<u>X</u>								<u>CT</u>												
<u>SITG-171011-092Z</u>	<u>↓</u>	<u>09:11</u>	<u>S</u>	<u>1</u>	<u>X</u>							<u>+DUP+MS/MSD</u>	<u>CU</u>												
<u>SITG-171011-093Z</u>	<u>↓</u>	<u>09:15</u>	<u>S</u>	<u>1</u>	<u>X</u>								<u>CV</u>												
<u>SITG-</u>																									
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Other Comments:		Relinquished By: <u>P. Smith</u>		Date: <u>10/11/17</u>		Time: <u>1200</u>		Received By: <u>[Signature]</u>		Date: <u>10-12-17</u>		Time: <u>1200</u>											
Matrix Codes 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>2.3°C</u>		Thermometer #/ Exp. Date: <u>160142274 01-21-18</u>		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N															