



June 4, 2014

Mr. Christopher A. Saari
Hydrogeologist
Northern Region Remediation and Redevelopment
State of Wisconsin Department of Natural Resources
Ashland Service Center
2501 Golf Course Road
Ashland, Wisconsin 54806



**Waste Management Progress Report No. 1
For Period May 23, 2013 to May 22, 2014
Bioremediation Pilot Test – 2012 Field Season
Former DuPont Barksdale Explosives Plant
Remediation Variance Approval of May 22, 2012
FID No.: 804009140
EPA ID No.: WIR000133447
BRRTS No. 02-04-00156**

Dear Mr. Saari:

This letter and the attached URS progress report comprise E. I. du Pont de Nemours and Company's (DuPont's) permit-required progress report as specified in Condition 8 of the Hazardous Waste Remediation Variance for Biodegradation of Residual Contaminants and Removal of Residual Product and Debris (HWRV), which was issued for the site on May 22, 2012. These reports are to be submitted annually until the variance ends on May 22, 2017 and are due on or before June 5th of each year.

If you have any questions or comments, please do not hesitate to contact me at (812) 923-1136.

Sincerely,

A handwritten signature in blue ink that reads "Bradley S. Nave".

Bradley S. Nave
Principal Project Manager
DuPont Corporate Remediation Group

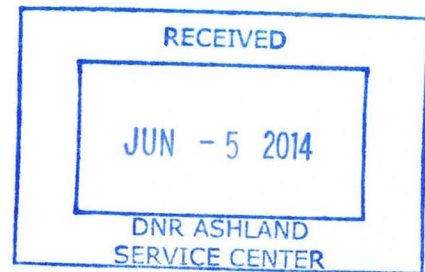
cc: Mr. Steve Ashenbrucker, WDNR

Attachments: URS Waste Management Progress Report No. 1 (2 paper copies /1 CD)



June 4, 2014

Mr. Bradley S. Nave
Senior Site Director
E. I. du Pont de Nemours and Company
7204 Overlook Cove
Georgetown, IN 47122



**Re: Waste Management Progress Report No. 2
For Period May 23, 2013 to May 22, 2014
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Explosives Plant
Remediation Variance Approval of May 22, 2012
FID No.: 804009140
EPA ID No.: WIR000133447
BRRTS No. 02-04-00156**

Dear Mr. Nave:

This letter report provides a summary of work conducted in 2013 in conjunction with the ongoing Bioremediation Pilot Test Program (BPTP) at the Former E. I. du Pont de Nemours and Company (DuPont) Barksdale Works site (see Figure 1). This letter and its attachments are provided for your communication to the Wisconsin Department of Natural Resources (WDNR) so that DuPont may fulfill Condition 8 of the Hazardous Waste Remediation Variance for Biodegradation of Contaminants and Removal of Residual Product and Debris (HWRV), which was issued for the site on May 22, 2012. Condition 8 requires that annual progress reports be submitted to the department in accordance with s. NR 724.13(3), Wis. Adm. Code. The annual reports are required until the variance ends on May 22, 2017 and are due on or before June 5th of each year.

1.0 BACKGROUND INFORMATION

1.1 REQUIREMENTS OF THE VARIANCE

Condition 8 of the variance specifies that the progress reports shall be submitted in accordance with s. NR 724.13(3), and shall include:

- a. *Documentation of the type and amount of product residuals and debris removed from biopilot cells. Documentation of any characterization and container storage of product residuals and debris removed from biopilot cells. Documentation of disposal of any product residuals and debris removed from the biopilot cells including manifest copies.*
- b. *Documentation of any management, including consolidation, of discrete areas where impacted soil is located within narrow locations such as former ditches or locations that are contorted by the layout of former building features. Documentation of the location of those areas and the amount of soil that is moved. Documentation of the location of areas where the soil combined from discrete source areas is managed.*

- c. *Documentation of any alternative treatment of large debris that facilitates management, including washing and physical resizing of large debris for off-site disposal. Documentation of management of all impacted waste streams generated by these activities, including amounts and volumes of waste treated and generated.*

In addition to the documentation required in the text of the variance, s. NR 724.13(3) requires the following be included in the progress report:

- (a) *A brief discussion of the progress of the remediation system, including:*
- 1. As applicable to the site or facility, total contaminant extraction and destruction to date in pounds of contaminant removed.*
 - 2. A discussion of any system operational problems, periods of shutdown, equipment malfunctions and any potential problems.*
 - 3. An overall evaluation of the effectiveness of the system, including an evaluation of whether or not any active remediation should be modified or turned off, based upon actual and projected contaminant destruction data, whether or not natural attenuation can be relied upon to effectively complete the remediation, whether or not natural attenuation monitoring will be required, and whether or not the site or facility is ready to apply for case closure under ch. NR 726.*
 - 4. Recommendations for future activities, if appropriate.*
- (b) *A site map that indicates the location of pertinent equipment and sampling points at the site or facility.*
- (c) *Sufficient tables, graphs and figures to efficiently and concisely summarize and portray relevant data and pertinent field measurements.*
- (d) *Laboratory reports and chain-of-custody for any laboratory data, unless otherwise directed by the department.*
- (e) *A completed remediation system operation and maintenance reporting form supplied by the department, to be submitted semi-annually for those sites or facilities with active engineered remediation systems or annually for those sites or facilities with passive remediation systems.*

Certified laboratory analytical testing for effectiveness, waste collection, management, and disposal associated with construction and operation of the BPTP are addressed in this progress report. Laboratory reports for data referenced in this report are attached as appendices.

1.2 BIOREMEDIATION PILOT TEST PROGRAM HISTORY

The Barksdale BPTP is focused on biodegradation of nitroaromatic and nitramine organic compounds (NNOCs) in soil. The BPTP began in 2007 with the construction of four in-situ till areas (cells) intended to evaluate the effect of water, oxygen, and pH on the rate of in-situ microbial degradation of 2,4- and 2,6-dinitrotoluene (DNT) in site soil as a possible alternative to conventional remedies. These original cells are identified as cells C01-C04 on Figure 2.

Early results indicated that degradation of these two primary DNT isomers was feasible; however, the presence of various other NNOCs was observed to affect degradation rates. As such, in 2008 the program was expanded to evaluate the range of this observed effect by adding three more cells that contained less complex NNOC mixtures. After initiating tilling, several of the 2008 cells were found to contain solid pieces of residual product that adversely

effected cell heterogeneity and limited analysis of the test results from the new cells. As a result, six additional cells within similar TNT/DNT ratios were constructed in 2009 at locations where the majority of such solids could be removed manually prior to tilling. Also in 2009, one of the 2008 cells was expanded to four times its original size with the construction of two contiguous new cells in order to evaluate potential economies of scale in cell operation. The 2008 through 2009 cells are identified as locations C05 through C15 on Figure 2.

In 2010, the investigation of new areas of the site discovered NNOCs within a sandy soil matrix. Because all cells constructed prior to 2010 had been in clayey soil three additional cells were added in 2011 to evaluate degradation in the new soil types. These cells are identified as locations C16 through C18 on Figure 2. All debris and product residues encountered during development of the first 18 cells was collected, containerized, and shipped for off-site incineration.

Prior to the HWRV, there were several limitations with respect to construction; soil and waste handling; and test evaluation for the first 18 cells. These limitations included:

- Having to incinerate soil removed during cell construction, which would have otherwise been amenable to biodegradation.
- Having to remove product either by bulk removal prior to cell construction or by manually picking product solids on a periodic basis from the cell surface after tilling was initiated.
- Not having permission to consolidate disjointed areas for testing.
- Having limitations on the ability to control water content within the cells driven by the fact that all cells had to be constructed in-situ.

To address these constraints on the BPTP, DuPont, at the suggestion of WDNR, requested a hazardous waste remediation variance in July 2010. Following DuPont's response to several sets of comments by the department, WDNR issued the HWRV on May 22, 2012. The permit specifies that a total of 10,000 cubic yards of soil may be treated as part of the operations permitted under the HWRV.

Table 1 lists the cells in place as of 2013 and includes information regarding their size, status, amount of debris removed, product removed for off-site disposal, and any soil added in 2013. Pilot test activities performed under the HWVR are conducted within the designated Area of Concern (AOC). Any debris or product removed from cells is handled in accordance with Resource Conservation and Recovery Act (RCRA) rules, including land disposal restrictions (LDRs) and Best Demonstrated Available Technology (BDAT) requirements.

2.0 REPORTING REQUIRED BY THE VARIANCE

This section provides the information stipulated in HWRV, which includes the information required by reference in s. NR 724.13(3).

2.1 PROGRESS OF THE BIOREMEDIATION PILOT TEST PROGRAM [NR 724.13(3) a]

As indicated in Section 1.1 above, Wisconsin s. NR 724.13(3)a has four reporting requirements. Each of these is discussed in the following sections.

2.1.1 NR 724.13(3)a 1): Contaminant Removal

The cited code requires: As applicable to the site or facility, total contaminant extraction and destruction to date in pounds of contaminant removed.

Table 1 includes estimates of contaminant mass removed over the 2013 calendar year and to date, as well as estimated contaminant mass remaining for each cell and constituent of potential concern (COPC). The estimated masses indicated in Table 1 are based on averaged values for all samples collected in a given cell at the first sampling of a COPC (typically 8 to 12 samples per cell) and in the most recent event that included that COPC (typically 3 to 8 samples per cell). Observations on contaminant removal during the 2013 pilot test season are bulleted below.

- Distribution of COPCs in the soil in the cells is heterogeneous and some of the most recent events appear to show an increase using these end-point average. However, statistical analysis based on data collected across the full seven years of the program show concentrations are actually decreasing. Such heterogeneity effects are more apparent in the single season 2013 product removal estimates than in the long-term, overall removal values.
- Three COPCs (the two amino-dinitrotoluenes and 1, 3, 5-trinitrobenzene) show long-term increases, as these compounds are potential breakdown products associated with non-aerobic degradation.
- Fluctuations were observed in the levels for the dimethyl-dinitrobenzenes (DNXs) and the 2, 3-dinitrotoluene isomer. Changes in laboratory detection limits and cell heterogeneity can account for much of the observed fluctuation in the reported mass trends. For example detection limits during early rounds were typically in the single digit ug/kg range while detection limits in 2012 and 2013 increased to 200-ug/kg after a change in laboratories.
- Most of the other COPCs being tracked have shown significant decreases over the life of the pilot program.

2.1.2 NR 724.13(3)a 2): Operational Issues

The cited code requires: A discussion of any system operational problems, periods of shutdown, equipment malfunctions and any potential problems.

Other than the on-going heterogeneity of the contaminant mixtures in the cells, no operational problems, periods of shutdown, or equipment malfunctions have occurred at the operational cells since the HWRV was issued.

2.1.3 NR 724.13(3)a 3): Evaluation of System Effectiveness

The cited code requires: An overall evaluation of the effectiveness of the system, including an evaluation of whether or not any active remediation should be modified or turned off, based upon actual and projected contaminant destruction data, whether or not natural attenuation can be relied upon to effectively complete the remediation, whether or not natural attenuation monitoring will be required, and whether or not the site or facility is ready to apply for case closure under ch. NR 726.

In general, the BPTP results are showing promise for bioremediation of affected site soil, but continued evaluation is needed to determine if the process will be effective in reaching site-wide remedial goals for the varying COPC mixtures found in site soil.

Because this is a pilot test program the activities do not address all impacted areas on the site; therefore, discussion of site-wide monitored natural attenuation and case closure are not applicable.

The status of the biopilot cells active during the 2013 reporting period is as follows:

- Cells C01 through C07, C14 through C17, C19, and C21 underwent monthly tilling and sampling from June through September.
- Cell C09 has reached calculated site-specific residual contaminant limits (SSRCLs) and has been planted with willow trees in order to evaluate the ability of the trees to control pore water. Drawing down pore water will maintain an aerobic environment that promotes continued degradation of potential residual soil contaminants. The trees will also consume nitrates produced as part of the degradation process. Some problems with deer browsing the newly planted trees has occurred and various deterrents (scare crows, ground mesh, deer fences, and olfactory sprays) are being utilized at the cell.
- Cells C08, C10, C11, C13, and C18 reached SSRCLs on average and were allowed to sit fallow since spring 2012 in order to evaluate the soil for potential rebound effects. The 2013 sampling results indicated biodegradation was occurring at cells C08, C10, and C13. At cells C11 and C18 slight increases in the concentration of DNTs was observed; however, the results were within the range previously reported at these locations and remain well below site-specific action levels.
- Cell C12 has elevated NNOC concentrations above the anticipated biological degradation threshold (i.e., “microbial toxicity limit”) of about 500 ppm. The cell will be addressed by pH adjustment as allowed under the HWRV for potential treatment of elevated NNOC concentrations.
- New cell C20 was constructed within the AOC in 2013. C20 contains impacted soil from Mono nitration Houses in TNT07, TNT09, and TNT10, as well as, small amounts of impacted soil from the Absorber Houses of TNT07, TNT08 and TNT09. These soils are expected to contain nitrated toluene species not typically found in other areas. Soil was accumulated in C20 in September 2013; therefore, only one round of sampling data was available for this report and a removal rate cannot yet be established.
- New cell C23 was constructed in 2013. C23 was constructed to evaluate degradation of elevated concentrations of NNOCs above the anticipated biological degradation threshold (about 500 ppm). The treatment mechanism tested in this cell involved adjusting soil pH and adding amendments, which is allowed as part of the HWRV. At high pH (about 9.5 to 10 SU), NNOCs may undergo alkaline transformation that reduce toxicity and potentially allow subsequent microbial degradation of select target compounds. Samples were collected at C23 on a weekly basis from July through September 2013. Based on the weekly reports, NNOC concentrations have been significantly reduced in C23 sub-cells that have been treated with elevated soil pH.

With these new cells, a total of 84.5 cubic yards (yd³) was added to the program in 2013. The total volume of soil currently being evaluated under the HWRV is 3,506 cubic yards, which is within the permitted maximum of 10,000 cubic yards.

2.1.4 NR 724.13(3)a 4) System Status and Recommended Future Work

The cited code requires: Recommendations for future activities, if appropriate. Activities proposed for the 2014 work season include:

- Soil in cells C07, C08, C10, C11, C13, C15, and C18 reached SSRCLs and will be planted to evaluate various vegetative covers (i.e., grasses, additional willows, or other tree varieties) in 2014.
- Initiation of C22, a cell proposed for construction in 2012 to evaluate above ground treatment of di- and tri-nitroxyene (DNX/TNX) impacted soils, was postponed to allow additional off-site bench scale testing to further evaluate the potential for degradation of DNX/TNX impacted soils. The surface water controls required to construct C22 have been installed, but test soils have not yet been accumulated in the cell. A small amount of TNX impacted soil (less than 0.5 cy) was moved into a tarped stockpile within the cell surface water controls. This soil will be spread with other test soil if bench scale work indicates biological treatment is feasible. At this time the data from the bench scale work is pending review and it is not known if C22 will be constructed in 2014.

2.2 SITE MAPS [NR 724.13(3) b]

The cited code requires: A site map that indicates the location of pertinent equipment and sampling points at the site or facility. This information is provided in Figures 2 through 6. Figure 2 provides the locations of the test cells. Figures 3 through 6 provide details of the construction of the existing cells.

2.3 DATA PRESENTATION [NR 724.13(3) c]

The cited code requires: Sufficient tables, graphs and figures to efficiently and concisely summarize and portray relevant data and pertinent field measurements. This information is presented in Tables 1 through 3. Table 1 provides data regarding test cell dimensions and data indicating the progress of soil bioremediation. Table 2 lists debris and residuals removed for off-site disposal in 2013. Table 3 lists the source and quantities of soil moved to test cells in 2013.

2.4 DATA DOCUMENTATION [NR 724.13(3) d]

The cited code requires: Laboratory reports and chain-of-custody for any laboratory data, unless otherwise directed by the department. Most of the materials shipped off-site were declared hazardous and shipped to the chosen incinerator without confirmatory analyses. The exception was treated waste water generated by equipment decontamination. The reports documenting the analysis of this material are attached in Appendix C. Laboratory reports for bioremediation trend monitoring are attached in Appendix D.

2.5 REPORTING FORM [NR 724.13(3) e]

The cited code requires, "A completed remediation system operation and maintenance reporting form supplied by the department, to be submitted semi-annually for those sites or facilities with active engineered remediation systems or annually for those sites or facilities with passive remediation systems." A completed copy of WDNR Form 4400-194: "Operation, Maintenance, Monitoring and Optimization Reporting of Soil and Groundwater Remediation Systems" is attached to this letter in Appendix A.

2.6 PRODUCT RESIDUALS AND DEBRIS REMOVED FROM BIOREMEDIATION PILOT CELLS [CONDITION 8a]

The cited variance condition requires:

- Documentation of the type and amount of product residuals and debris removed from biopilot cells.
- Documentation of any characterization and container storage of product residuals and debris removed from biopilot cells.
- Documentation and disposal of any product residuals and debris removed from the biopilot cells including manifest copies.

No product residuals or debris were removed from any of the Bioremediation Pilot Cells in 2013.

Debris managed and/or removed during site investigation work in 2013, included scrap steel and concrete from foundations within the AOC that had been previously been investigated or were being investigated in 2013. Additionally asbestos containing materials (ACM) were removed from within buildings in the AOC that were investigated in 2013.

2.6.1 Concrete Debris Removal via Investigation

Most of the concrete handled in 2013 was from floors in buildings that were being investigated by excavation/trenching to locate potentially explosive concentrations of NNOCs. In order to access the soil beneath these former buildings, it was necessary to remove the concrete floor slab. Subsurface concrete in foundation walls was typically left in place unless the walls obstructed investigation trenching. Concrete encountered was field screened using an NNOC vapor detector (FIDO[®]) and Expray[®]. Concrete that did not indicate the presence of NNOCs was centrally stockpiled for crushing and reuse as on-site construction aggregate.

Potentially affected concrete with screening results above background consisted of a 2 cubic foot (cf) column base at the Refined Triton Screening House, and a combined 30 cf of floor slab from the kettle pits at the TNT09 and TNT10 Graining Houses. All potentially affected concrete was consolidated within the AOC at the former TNT10 Graining House building pending alternative debris treatment to be conducted in at a later date (see Figure 7). No concrete was shipped off-site in 2013.

2.6.2 Metallic Debris Screening and Accumulation

The volume of metallic debris recovered during the 2013 investigation was approximately seven cubic yards (yd³). Metallic debris with accessible, visible internal channels was field screened using FIDO[®] and Expray[®] technology. Field screening was limited to pipes that were not bent, plugged, crushed, or otherwise obstructed. This metallic debris was segregated out and managed as “clean.” “Clean” metallic debris that did not contain NNOC residuals based on the field screening was sent to an accumulation area in PAK pending pick-up by a recycler (see Section 2.8 below).

Although none of the metallic debris found in 2013 reacted to field screening, any debris with voids, crimps or crushed sections (limited to six pipes in 2013) was added to a separate stockpile (PAR-SP01) within the AOC (Use Area PAR). Visually obstructed or bent metallic debris was accumulated on an impervious paved surface and fitted with a plastic cover to

prevent contact with storm water. In 2013, all of the materials in this accumulation pile were processed (as described in Section 2.8 below) then shipped with the “clean” metallic materials to a local scrap metal recycler on October 25.

2.6.3 Soil Adhered to Removed Debris and Equipment

Soils adhered to heavy equipment and site vehicles were removed by power washing at the central site decontamination facility. Water from the washing process was passed through a series of baffle tanks then pumped into a sedimentation tank. Clarified water from the sedimentation tank was skimmed off and pumped through the waste water treatment unit (WWTU) consisting of granular activated carbon (GAC) before being collected in a 2,500-gallon finish tank. Past testing of water in the finish tank has demonstrated this treatment is effective in removing any RCRA hazardous characteristics. The finish tank water 2013 laboratory results (Appendix C) were submitted to the Superior, Wisconsin Publicly Owned Treatment Works (POTW) to confirm acceptance. In 2013, 2050 gallons of treated non-regulated waste water was sent for disposal to the Superior Wisconsin POTW under a bill of lading, shipment number CRGM00179 (Appendix B).

Solids (soil and debris) collected in the baffle and sedimentation tanks are declared as D030 hazardous waste based on past generator testing. A total of 1,274 pounds of settled solids were removed from the system and sent off-site for disposal along with ~220 pounds of personal protective equipment (PPE), soiled tarps and plastic sheeting used during decontamination. These materials were shipped under manifest 000717185VES to Veolia Trade Waste Incinerator in Sauget, IL (EPA ID no: ILD098642424) for destruction by incineration.

The spent GAC cylinders from the WWTU are exempt from solid waste regulation when sent for reclamation per 40 CFR 261.2(c)(3). DuPont voluntarily performed toxicity characteristic leaching procedure (TCLP) analyses of the GAC in the past to verify that it does exhibit any RCRA hazardous characteristics. The spent GAC cylinders are annually exchanged and sent for reclamation by North American Aqua of Vandalia, MI.

2.6.4 Asbestos Containing Material Removal

ACM removal was conducted by Robinson Brothers of Waunakee, WI between September 9 and 12, 2013. Robinson Brothers’ crew filled 20 drums with bagged ACM and asbestos containing soil from work sites in the TNT07, TNT09, and TNT10 Mono Houses; and the TNT09 and TNT10 Graining Houses. The drummed ACM was shipped to Emerald Park Landfill, Muskego, WI under manifest WSR#0019077.

2.6.5 Residual Solid Product Management

Residual solid product (RSP) was encountered during site investigation work at dispersed locations near former production lines TNT09 and TNT10 as well the former Refined Triton area (see Table 2). RSP was identified by visual evidence and colorimetric test sprays (Expray®). No RSP was removed from the AOC during 2013 investigation or biopilot field work. Instead, RSP identified during investigation trenching was documented in the site GIS and left in place for future evaluation of treatment options.

No wood debris or remnant vitrified clay pipe (VCP) was collected in 2013. Several VCP drains were encountered during 2013 site investigation work. The locations of these VCP

drains were documented in the site GIS after which the drains were left in place for future collection and disposal.

2.7 MOVEMENT OF SOIL INTO PILOT CELLS [CONDITION 8b]

The cited variance condition requires:

- Documentation of any management, including consolidation, of discrete areas where impacted soil is located within narrow locations such as former ditches or locations that are contorted by the layout of former building features.
- Documentation of the location of those areas and the amount of soil that is moved.
- Documentation of the location of areas where the soil combined from discrete source areas is managed.

A total of 84.5 yd³ of soil was moved from investigation locations to bioremediation pilot cells C20, C22, and C23 during the 2013 field season. Table 3 lists the source areas and the destination cells, while Figure 8 depicts the locations listed in Table 3.

2.8 ALTERNATIVE TREATMENT OF LARGE DEBRIS [CONDITION 8c]

The cited variance condition requires:

- Documentation of any alternative treatment of large debris that facilitates management, including washing and physical resizing of large debris for off-site disposal.
- Documentation of management of all impacted waste streams generated by these activities, including amounts and volumes of waste treated and generated.

This section describes alternative treatment of debris that potentially contained RCRA hazardous constituents. As detailed in section 2.6, most of the debris recovered did not test positive for hazardous constituents and was managed as non-regulated debris. Some non-regulated debris was resized to facilitate on-site reuse as aggregate or to meet off-site industrial facility acceptance requirements.

2.8.1 Alternative Treatment of Metallic Debris

As discussed in Section 2.6.2, metallic debris (pipes) collected during investigation of former process building sites was typically field screened using FIDO[®] and Expray[®] at the time of discovery. Pipes that could be fully inspected and that did not have detections based on the screening were sent to an accumulation area in PAK for storage until pick-up by DuPont's approved local steel recycling firm, Chicago Iron and Supply. Clean pipes, bar stock, and sheet metal (12,180 lbs.) were loaded to a flatbed trailer and sent to Chicago Iron and Supply on October 15, 2013.

Pipes that were bent, plugged, crushed, or otherwise obstructed from adequate initial inspection were managed as potentially hazardous wastes based on the potential for shock reactivity (D003). Segregated pipes were sent to a hazardous waste accumulation area within the HWRV AOC (stockpile PAR-SP01 in Use Area PAR) for accumulation until set up of remote controlled pipe opening equipment. Once opened, the pipes were processed using the alternative debris treatment method of "Water Washing and Spraying" (40 CFR 268.45, Table 1), which was initiated on October 14, 2013.

Pipes were transported to the site decontamination pad where they were sorted based on size and type of obstruction. Pipes that had one end accessible were scraped of loose internal

debris with a wire pipe snake then power washed with warm water. Rinse water was collected in the decontamination pad's sump where gravity flow settling baffles removed solids and passed rinse water to the onsite treatment system. Solids from the washing operation were added to the decontamination pad's solid accumulation drums and subsequently shipped off-site for incineration (see manifest 000717185VES section 2.6). Rinse water was treated through the WWTU and disposed with other equipment decontamination fluids (see bill of lading CRGM00179 section 2.6).

Once flushed, the pipe interiors were FIDO[®] screened then wipe tested using the wire snake and Expray[®] wipe pads. Only four pipes were encountered that reacted positively to the wipe tests. These were retreated and rescreened. All four pipes screened without detections after the repeat debris treatment.

Pipes that were closed too tightly to allow washing the interiors were transported to a remotely operated power hacksaw which was used to cut the obstruction(s) from the pipe. Cut pipes were returned to the decontamination pad and power washed as previously discussed.

Washing and screening of the obstructed pipes was completed on October 18, 2013 at which time the washed and screened pipes (5,800 lbs.) were sent to Chicago Iron and Supply for recycling. The total amount of metallic debris sent for recycling in 2013 was 17,980 lbs.

2.8.2 Management of Alternative Treatment Residuals

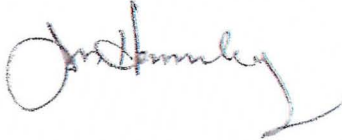
Solids from the washing operation were added to the decontamination solids accumulation drums and were subsequently shipped off-site for incineration (see manifest 000717185VES section 2.6). Rinse water was treated by GAC in the WWTU and disposed with other equipment decontamination fluids. Pre-treated waste water was approved and sent for ultimate disposal to the Superior, Wisconsin POTW (see bill of lading CRGM00179 section 2.6). As stated in section 2.8.1, treated metallic debris was sent to Chicago Iron and Supply on October 15, 2013.

3.0 SUMMARY


The information contained within this report will allow DuPont to comply with the reporting requirements of the May 22, 2012 Hazardous Waste Remediation Variance issued for the Former DuPont Barksdale Works site and this report should be included with DuPont's filing.

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

Sincerely,



Jon Hammerberg
Project Engineer
URS Corporation
(608) 770-4433



C. E. "Cary" Pooler, PG
Senior Project Manager
URS Corporation
(502) 217-1534

Attachments:

Table 1: 2013 Progress of Soil Bioremediation Pilot Test
Table 2: 2013 Debris and Residuals Removed for Off-site Disposal
Table 3: 2013 Soil and Debris Moved to Test Cells

Figure 1: Regional Site Location
Figure 2: Site Layout and Bio-Cell Locations
Figure 3: Typical Biopilot Sites Operational Stage 2007 - 2010
Figure 4: C19 TNT08 Bi-Tri House
Figure 5: C20 TNT09 Mono House
Figure 6: C21 TNT09 Neutralizing House Ditch
Figure 7: 2013 Debris Recovery Locations
Figure 8: 2013 Impacted Soil Recovery Locations

Appendix A: WDNR Form 4400-194: Operation, Maintenance, Monitoring and Optimization Reporting of Soil and Groundwater Remediation Systems

Appendix B: Waste Manifests
State of Wisconsin 2013 Hazardous Waste Report
Manifest - D030 Solids - 000717185VES
Manifest - ACM Solids - WSR0019077
Bill of Lading - Treated Waste Water - CRGM00179

Appendix C: Waste Characterization Lab Data - Test America Report
J280-45944-1 Barksdale Waste Water Analytical Report

Appendix D: Biodegradation Evaluation Lab Data - ECCS Reports
2613 Barksdale Revised Final Report P133601 031314 1436 (August Bioremediation Pilot Test Samples)
2613 Barksdale Final Report P132501 070913 (June Bioremediation Pilot Test Samples)
A133816 Final 101813 0854 (September Bioremediation Pilot Test samples - C20)



Table 1
2013 Progress of Soil Bioremediation Pilot Test
Waste Management Progress Report No. 2
For Period May 23, 2013 to May 22, 2014
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Explosives Plant
Remediation Variance Approval of May 22, 2012
Bayfield County, Wisconsin

Cell	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	Total for All Cells	
Status	control	active	active	active	active	active	active	rest	phyto	rest	rest	drop	rest	active	active	active	active	rest	active	new	active	set-up		
Tilling Events in 2013	0	3	3	3	3	3	3	0	0	0	0	0	0	3	3	3	3	0	3	1	3	0	37.0	
Debris Removed 2013 (lbs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Product Removed 2013 (lbs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soil Added to Cell 2013 (cy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0	0.0	0.5	76.5	
Size (cy)	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	106.5	76.0	41.1	0.5	3498.2	
Soil tilled (lbs)	3.7E+04	3.7E+04	3.7E+04	3.7E+04	1.2E+06	1.8E+05	5.1E+05	3.1E+05	6.2E+05	1.1E+06	6.6E+05	4.3E+05	1.0E+06	5.1E+05	1.3E+06	4.6E+05	3.7E+05	1.5E+05	2.9E+05	2.1E+05	1.1E+05	1.4E+03	9445174.7	

TABLE 1A: Lbs. Removed by Bioremediation to Date: ((initial reported concentration) minus (most recent reported concentration)) multiplied by (lbs tilled)																							
2,4,6-TNT	11.6	4.8	0.5	0.5	2.4	847.7	83.4	0.2	0.0	3.9	0.3	127.5	4.1	56.7	632.6	178.7	39.3	(0.2)	180.1	0.0	598.2	0.0	2772.4
2-A-4,6-DNT	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.2	0.0	0.0	0.4	0.0	1.3	7.7	1.0	0.0	0.7	0.0	(0.8)	0.0	13.2
4-A-2,6-DNT	0.0	0.0	0.0	0.0	0.0	(2.6)	1.8	0.0	0.0	0.0	0.0	0.0	0.2	(0.9)	(3.8)	3.9	0.2	0.0	0.6	0.0	2.2	0.0	1.7
2,3-DNT	0.0	0.0	0.0	0.0	(1.4)	(0.4)	(0.2)	0.0	0.0	6.2	0.0	0.9	4.4	1.1	(0.2)	0.0	9.7	0.0	0.0	0.0	0.0	0.0	20.0
2,4-DNT	0.9	1.0	0.4	0.4	793.2	128.9	29.3	5.1	0.0	189.5	0.2	159.6	24.9	6.6	16.4	0.3	126.6	0.0	1.0	0.0	0.2	0.0	1484.5
2,5-DNT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,6-DNT	0.6	0.9	0.5	0.8	452.2	20.1	26.3	0.6	0.0	65.3	0.0	(4.6)	9.7	32.3	0.5	0.0	93.3	0.0	0.0	0.0	0.0	0.0	698.7
3,4-DNT	0.0	0.0	0.0	0.0	(2.1)	(0.6)	(0.3)	0.0	0.0	8.8	0.0	3.3	6.2	2.1	(0.2)	0.0	15.3	0.0	0.0	0.0	0.0	0.0	32.5
3,5-DNT	0.0	0.0	0.0	0.0	(0.2)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.0	0.0	(0.2)	0.0	0.0	0.0	0.0	0.0	0.3
Total DNT	1.4	1.9	0.9	1.1	1241.7	148.0	55.2	5.9	0.0	269.9	0.3	159.2	45.5	42.3	16.4	0.3	244.7	0.0	1.1	0.0	0.0	0.0	2235.5
1,2-DM-3,4-DNB	5.8	6.0	(5.2)	3.9	0.0	0.0	0.0	0.0	0.0	(0.4)	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	(0.6)	0.0	0.0	0.0	13.9
1,2-DM-3,5-DNB	5.4	5.6	(4.4)	4.0	0.2	0.0	0.0	0.0	0.0	(0.3)	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	19.5
1,2-DM-3,6-DNB	(2.7)	(1.5)	(2.5)	(2.6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	(6.0)
1,2-DM-4,5-DNB	1.2	1.8	(2.0)	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	3.6
1,3-DM-2,4-DNB	36.2	27.6	(1.7)	23.7	0.2	0.0	0.0	0.0	0.0	(0.7)	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	112.3
1,3-DM-2,5-DNB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,4-DM-2,3-DNB	10.1	11.2	(6.4)	11.9	(0.3)	(0.2)	0.0	0.0	0.0	(1.1)	(0.2)	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	26.8
1,4-DM-2,5-DNB	(3.1)	(1.6)	(2.3)	(2.6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(2.3)	0.0	0.0	0.0	0.0	0.0	(11.9)
1,4-DM-2,6-DNB	(4.0)	(1.7)	(6.8)	(4.6)	0.0	0.0	0.0	0.0	0.0	(0.4)	0.0	0.0	0.0	0.0	0.0	0.0	(4.7)	0.0	0.0	0.0	0.0	0.0	(22.3)
1,5-DM-2,3-DNB	0.3	0.3	(0.7)	(0.2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(0.4)
1,5-DM-2,4-DNB	21.1	11.9	(32.4)	2.4	(0.4)	(0.7)	0.0	(0.2)	0.0	(3.2)	(1.2)	0.0	(0.5)	0.0	0.0	0.0	(0.8)	0.0	0.0	0.0	0.0	0.0	(3.8)
Total DNX	23.2	19.2	(49.3)	5.9	(1.0)	(1.6)	0.0	(0.2)	0.0	(4.7)	(3.7)	0.0	(0.6)	0.0	0.0	(0.2)	(9.0)	0.0	(0.3)	0.0	0.0	0.0	(22.2)
2,4,6-TNX	(1.2)	(0.9)	(0.7)	(0.9)	(0.2)	(0.6)	0.0	0.0	0.0	(2.2)	0.0	0.0	0.0	0.0	0.0	0.0	(3.0)	0.0	0.0	0.0	0.0	0.0	(9.7)
1,3,5-TNB	0.0	0.0	0.0	0.0	0.0	(0.5)	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.0	1.1	0.0	0.3	0.0	0.3	0.0	2.1
1,3-DNB	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	3.7
NB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4
3-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
2-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8
NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HMX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PETN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RDX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes:
Cell C20 first sampled in fall 2013 - no trend data available as yet.
Cell C22 not yet loaded with soil for treatment

Table 1
2013 Progress of Soil Bioremediation Pilot Test
Waste Management Progress Report No. 2
For Period May 23, 2013 to May 22, 2014
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Explosives Plant
Remediation Variance Approval of May 22, 2012
Bayfield County, Wisconsin

Cell	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	Total for All Cells	
Status	control	active	active	active	active	active	active	rest	phyto	rest	rest	drop	rest	active	active	active	active	rest	active	new	active	set-up		
Tilling Events in 2013	0	3	3	3	3	3	3	0	0	0	0	0	0	3	3	3	3	0	3	1	3	0	37.0	
Debris Removed 2013 (lbs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Product Removed 2013 (lbs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soil Added to Cell 2013 (cy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0	0.0	0.5	76.5	
Size (cy)	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	106.5	76.0	41.1	0.5	3498.2	
Soil tilled (lbs)	3.7E+04	3.7E+04	3.7E+04	3.7E+04	1.2E+06	1.8E+05	5.1E+05	3.1E+05	6.2E+05	1.1E+06	6.6E+05	4.3E+05	1.0E+06	5.1E+05	1.3E+06	4.6E+05	3.7E+05	1.5E+05	2.9E+05	2.1E+05	1.1E+05	1.4E+03	9445174.7	

TABLE 1B: Lbs. Removed by Bioremediation to Date: ((2012 reported concentration) minus (most recent 2013 reported concentration)) multiplied by (lbs tilled)

2,4,6-TNT	(0.9)	2.4	0.0	0.0	0.0	229.5	2.4	0.2	0.0	0.0	0.0	606.5	0.3	7.3	35.4	136.2	0.5	0.0	180.1	(24.9)	598.2	0.0	1772.9
2-A-4,6-DNT	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.2	0.0	2.5	0.3	0.3	2.2	10.3	0.4	0.0	0.7	(0.2)	(0.8)	0.0	16.5
4-A-2,6-DNT	0.0	0.0	0.0	0.0	0.0	2.0	1.1	0.0	0.0	0.0	0.0	1.9	0.2	0.3	4.7	8.6	0.0	0.0	0.6	(0.3)	2.2	0.0	21.4
2,3-DNT	0.0	0.0	0.0	0.0	1.0	0.8	0.6	0.0	0.0	1.6	0.0	5.9	0.3	5.0	0.5	0.0	3.1	0.0	0.0	0.0	0.0	0.0	18.7
2,4-DNT	0.0	0.0	0.0	0.0	(24.1)	2.9	1.2	0.5	0.0	1.0	0.0	100.1	0.4	1.2	1.0	0.3	3.3	0.0	1.0	(5.0)	0.2	0.0	83.9
2,5-DNT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
2,6-DNT	0.0	0.0	0.0	0.0	(14.5)	1.2	0.8	0.0	0.0	0.6	0.0	26.2	0.6	2.1	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	20.6
3,4-DNT	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	2.4	0.0	6.2	0.3	3.8	0.5	0.0	2.0	0.0	0.0	0.0	0.0	0.0	16.2
3,5-DNT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(0.2)	0.0	0.0	(0.0)
Total DNT	0.0	0.0	0.0	0.0	(37.5)	5.2	3.1	0.6	0.0	5.8	0.2	138.4	1.7	12.4	2.1	0.3	12.2	0.0	1.1	(5.2)	0.0	0.0	140.4
1,2-DM-3,4-DNB	9.9	5.0	(2.2)	(7.4)	0.0	0.0	0.0	0.0	0.0	(0.4)	0.0	0.0	0.0	0.0	0.0	0.0	(7.4)	0.0	(0.6)	0.0	0.0	0.0	(3.1)
1,2-DM-3,5-DNB	9.0	4.0	(1.6)	(7.3)	0.0	0.0	0.0	0.0	0.0	(0.3)	0.0	0.0	0.0	0.0	0.0	0.0	(4.1)	0.0	0.0	0.0	0.0	0.0	(0.3)
1,2-DM-3,6-DNB	2.6	0.5	(0.7)	(2.6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(1.4)	0.0	0.0	0.0	0.0	0.0	(1.6)
1,2-DM-4,5-DNB	2.5	1.2	(0.8)	(2.7)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(2.0)	0.0	0.0	0.0	0.0	0.0	(1.9)
1,3-DM-2,4-DNB	20.2	13.0	(4.3)	(13.4)	(0.3)	(0.2)	0.2	0.0	0.0	(0.8)	0.0	0.2	0.0	0.0	0.0	0.0	(4.2)	0.0	0.0	0.0	0.0	0.0	10.5
1,3-DM-2,5-DNB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,4-DM-2,3-DNB	14.3	9.0	(1.7)	(9.5)	(0.3)	(0.2)	0.0	0.0	0.0	(1.1)	(0.2)	0.0	0.0	0.0	0.0	0.0	(12.3)	0.0	0.0	0.0	0.0	0.0	(1.9)
1,4-DM-2,5-DNB	2.5	0.5	(0.7)	(2.6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(2.3)	0.0	0.0	0.0	0.0	0.0	(2.6)
1,4-DM-2,6-DNB	7.9	4.3	(1.9)	(5.7)	0.0	0.0	0.0	0.0	0.0	(0.4)	0.0	0.0	0.0	0.0	0.0	0.0	(8.5)	0.0	0.0	0.0	0.0	0.0	(4.3)
1,5-DM-2,3-DNB	0.4	(0.5)	(1.1)	(1.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(0.7)	0.0	0.0	0.0	0.0	0.0	(2.8)
1,5-DM-2,4-DNB	47.9	42.9	(3.4)	(30.1)	(0.4)	4.0	0.2	0.0	0.0	(3.2)	(1.2)	(13.7)	(0.6)	0.0	0.0	0.0	(39.8)	0.0	(0.2)	0.0	0.0	0.0	2.4
Total DNX	71.8	55.3	(9.5)	(49.9)	(0.9)	3.1	0.5	(0.2)	0.0	(4.7)	(3.7)	(11.3)	(0.7)	0.0	0.0	0.0	(65.4)	0.0	(0.3)	(0.5)	0.0	0.0	(16.4)
2,4,6-TNX	(0.5)	(0.5)	(0.6)	(0.3)	0.0	(0.5)	0.0	0.0	0.0	0.0	(2.2)	2.3	0.0	0.0	0.0	0.0	(1.7)	0.0	0.0	(0.5)	0.0	0.0	(4.3)
1,3,5-TNB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.2	1.6	0.0	0.0	0.0	0.3	0.0	0.3	0.0	8.6
1,3-DNB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
NB	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.5
3-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HMX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PETN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RDX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes:
Cell C20 first sampled in fall 2013 - no trend data available as yet.
Cell C22 not yet loaded with soil for treatment

Table 1
2013 Progress of Soil Bioremediation Pilot Test
Waste Management Progress Report No. 2
For Period May 23, 2013 to May 22, 2014
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Explosives Plant
Remediation Variance Approval of May 22, 2012
Bayfield County, Wisconsin

Cell	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	Total for All Cells	
Status	control	active	active	active	active	active	active	rest	phyto	rest	rest	drop	rest	active	active	active	active	rest	active	new	active	set-up		
Tilling Events in 2013	0	3	3	3	3	3	3	0	0	0	0	0	0	3	3	3	3	0	3	1	3	0	37.0	
Debris Removed 2013 (lbs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Product Removed 2013 (lbs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soil Added to Cell 2013 (cy)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0	0.0	0.5	76.5	
Size (cy)	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	106.5	76.0	41.1	0.5	3498.2	
Soil tilled (lbs)	3.7E+04	3.7E+04	3.7E+04	3.7E+04	1.2E+06	1.8E+05	5.1E+05	3.1E+05	6.2E+05	1.1E+06	6.6E+05	4.3E+05	1.0E+06	5.1E+05	1.3E+06	4.6E+05	3.7E+05	1.5E+05	2.9E+05	2.1E+05	1.1E+05	1.4E+03	9445174.7	

TABLE 1C: Lbs. Remaining: (most recent reported concentration) multiplied by (lbs tilled)																							
2,4,6-TNT	4.2	0.7	0.0	0.0	0.4	143.4	2.1	0.0	0.0	0.0	0.0	513.6	0.0	4.3	31.0	56.9	4.7	0.2	42.1	24.9	734.2	0.0	1562.5
2-A-4,6-DNT	0.3	0.0	0.0	0.0	0.0	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	4.2	0.6	0.0	0.6	0.2	3.5	0.0	13.3
4-A-2,6-DNT	0.3	0.0	0.0	0.0	0.0	3.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2	7.3	5.2	0.8	0.0	2.7	0.3	4.1	0.0	26.0
2,3-DNT	0.0	0.0	0.0	0.0	1.4	0.4	0.2	0.0	0.0	0.6	0.0	0.0	0.0	2.2	0.3	0.0	1.6	0.0	0.0	0.0	0.0	0.0	6.8
2,4-DNT	0.0	0.0	0.0	0.0	30.9	0.9	0.9	0.5	0.0	0.6	0.0	184.5	0.0	0.8	0.5	0.0	0.5	0.2	0.2	5.0	0.9	0.0	226.4
2,5-DNT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,6-DNT	0.2	0.0	0.0	0.0	16.1	0.7	0.7	0.0	0.0	0.2	0.0	18.9	0.0	1.1	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	38.3
3,4-DNT	0.0	0.0	0.0	0.0	2.1	0.6	0.3	0.0	0.0	0.7	0.0	0.0	0.0	3.7	0.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0	9.9
3,5-DNT	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.8
Total DNT	0.4	0.2	0.3	0.3	50.7	2.7	2.0	0.6	0.0	2.1	0.0	203.4	0.2	8.1	1.4	0.0	4.9	0.3	0.2	5.2	1.1	0.0	283.9
1,2-DM-3,4-DNB	12.5	8.7	11.7	12.7	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	0.6	0.0	0.0	0.0	60.4
1,2-DM-3,5-DNB	12.4	8.6	10.9	12.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	53.9
1,2-DM-3,6-DNB	2.7	1.5	2.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	12.1
1,2-DM-4,5-DNB	4.3	2.6	3.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	19.2
1,3-DM-2,4-DNB	20.3	12.4	19.6	20.0	0.4	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.0	93.7
1,3-DM-2,5-DNB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,4-DM-2,3-DNB	20.9	13.7	17.6	17.8	0.6	0.2	0.0	0.0	0.0	1.1	0.2	0.0	0.0	0.0	0.0	0.0	21.9	0.0	0.0	0.0	0.0	0.0	93.9
1,4-DM-2,5-DNB	3.1	1.6	2.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	11.9
1,4-DM-2,6-DNB	8.9	5.5	8.4	8.4	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	42.0
1,5-DM-2,3-DNB	0.9	0.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	4.9
1,5-DM-2,4-DNB	63.1	46.8	57.4	58.7	1.1	0.8	0.0	0.2	0.0	3.2	1.2	0.0	0.6	0.0	0.0	0.0	59.4	0.0	0.2	0.0	0.0	0.0	292.7
Total DNX	98.1	68.9	87.6	89.6	2.2	1.7	0.0	0.2	0.0	4.7	3.7	0.0	0.7	0.0	0.0	0.0	97.9	0.2	0.4	0.5	0.5	0.0	456.8
2,4,6-TNX	1.2	0.9	0.7	0.9	0.2	0.6	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.5	0.5	0.0	10.7
1,3,5-TNB	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1,3-DNB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5
NB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HMX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PETN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RDX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes:
Cell C22 not yet loaded with soil for treatment

Table 2
2013 Debris and Residuals Removed for Off-site Disposal

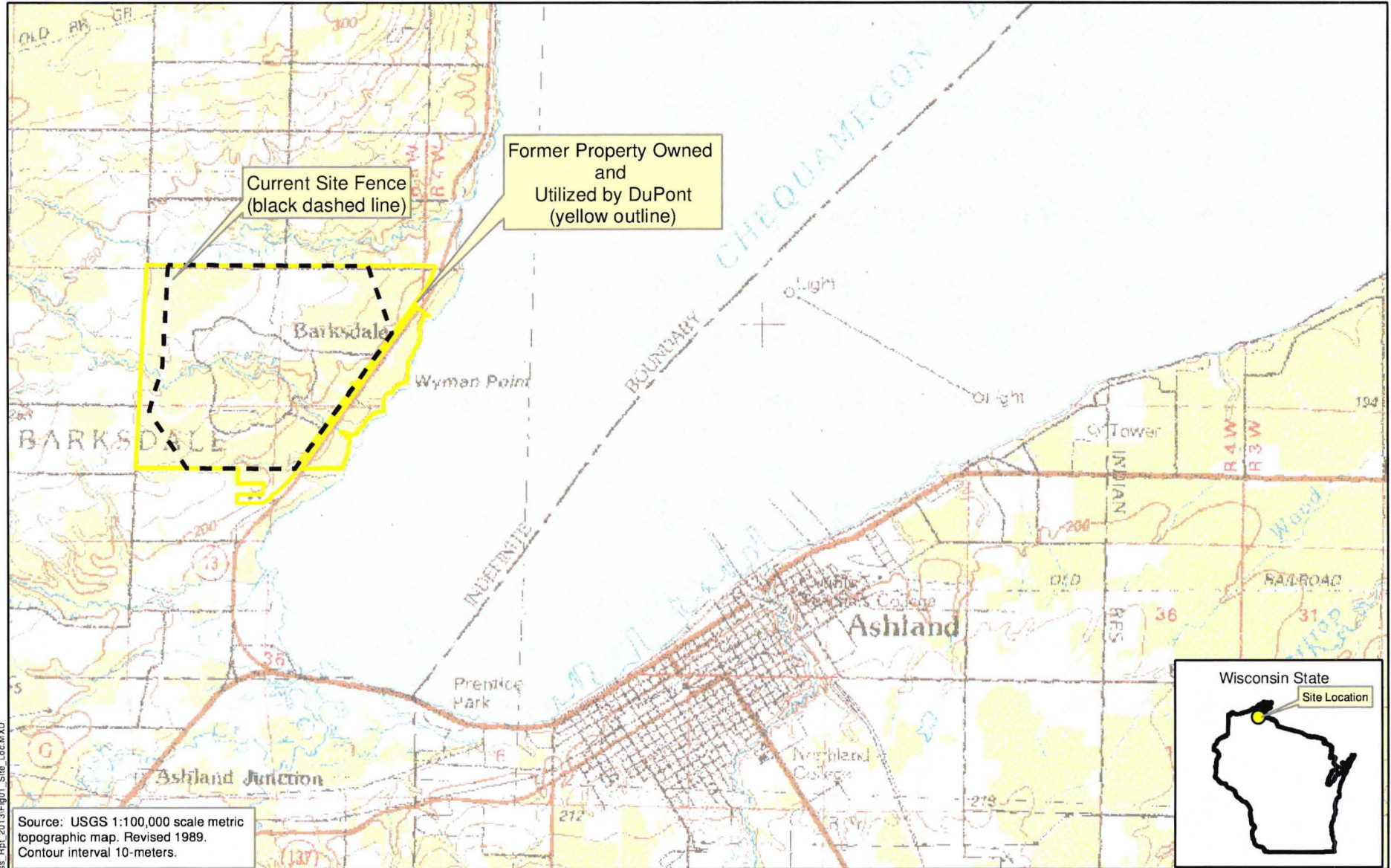
Waste Management Progress Report No. 2
 For Period May 23, 2013 to May 22, 2014
 Bioremediation Pilot Test – 2013 Field Season
 Former DuPont Barksdale Explosives Plant
 Remediation Variance Approval of May 22, 2012
 Bayfield County, Wisconsin

Pipe Steel				
Source	Material Description	Quantity	Destination	Manifest
C23: site clearing, conduits & pipes	obstructed steel pipes	2 cf	PAR-SP01	--
TNT09: Graining Ho: pipes from bldg interior	obstructed steel pipes	2 cf	PAR-SP01	--
TNT10: Graining Ho: pipes from bldg interior	obstructed steel pipes	1 cf	PAR-SP01	--
RT: E Graining Ho: pipes from bldg interior	obstructed steel pipes	1 cf	PAR-SP01	--
RT: W Graining Ho: pipes from bldg interior	obstructed steel pipes	1 cf	PAR-SP01	--
Segregated steel stockpile PAR-SP01 2013 & pre 2013	pipes cut & washed	320 cf	Chicago Iron	Scale ticket ###
Clean steel stockpile PAK-SP01 pre 2013	pipes screening clean	240 cf	Chicago Iron	Scale ticket ###
Concrete				
Source	Material Description	Quantity	Destination	Manifest
TNT10: Graining Ho: Kettle Pit floor	concrete screening > background	20 cf	TNT10 Grain Ho	n.a. - held on site
TNT09: Graining Ho: Kettle Pit floor	concrete screening > background	10 cf	TNT10 Grain Ho	n.a. - held on site
Refined Triton: Screening Ho: S Wall: column base	concrete screening > background	2 cf	TNT10 Grain Ho	n.a. - held on site

Table 3
2013 Soil and Debris Moved to Test Cells
Waste Management Progress Report No. 2
For Period May 23, 2013 to May 22, 2014
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Explosives Plant
Remediation Variance Approval of May 22, 2012
Bayfield County, Wisconsin

Source	Destination	Volume (CY)	Date
TNT07 Weak Acid Ditch: TNT impacted soil from PAHD0060 stations -100 to -130.	C23	2.50	07/11/13
TNX Ditch: TNX impacted soil from PAID0001 stations -034 to -040.	C23	2.50	07/12/13
C17: TNT, TNX and DNT impacted soil from top 4" of tilled area.	C23	2.50	07/12/13
C12: TNT and DNT impacted soil from top 6" of tilled area.	C23	0.50	07/16/13
Total 2013		8.00	
Source	Destination	Volume (CY)	Date
TNX Ditch: TNX impacted soil from PAID0001 stations -034 to -040.	C22	0.50	07/16/13
Total 2013		0.50	
Source	Destination	Volume (CY)	Date
TNT07: Weak Acid Ditch: TNT impacted soil from PAHD0060 stations -100 to -130.	C20	1.00	07/16/13
TNT07: Change/Absorber House: PAHB0003	C20	8.60	08/14/13
TNT08: Change/Absorber House: PAHB0002	C20	0.60	08/16/13
TNT09: Change/Absorber House: PAHB0025	C20	0.20	08/16/13
RT: Screening House: PAJB0004	C20	0.20	08/21/13
TNT07: Mono House: PAHB00011	C20	6.30	09/14/13
TNT10: Mono House: PAHB00037	C20	7.00	09/14/13
TNT07: Mono House: PAHB00011	C20	9.30	09/16/13
TNT09: Mono House: PAHB00030	C20	17.60	09/16/13
TNT10: Mono House: PAHB00037	C20	25.20	09/16/13
Total 2013		76.00	



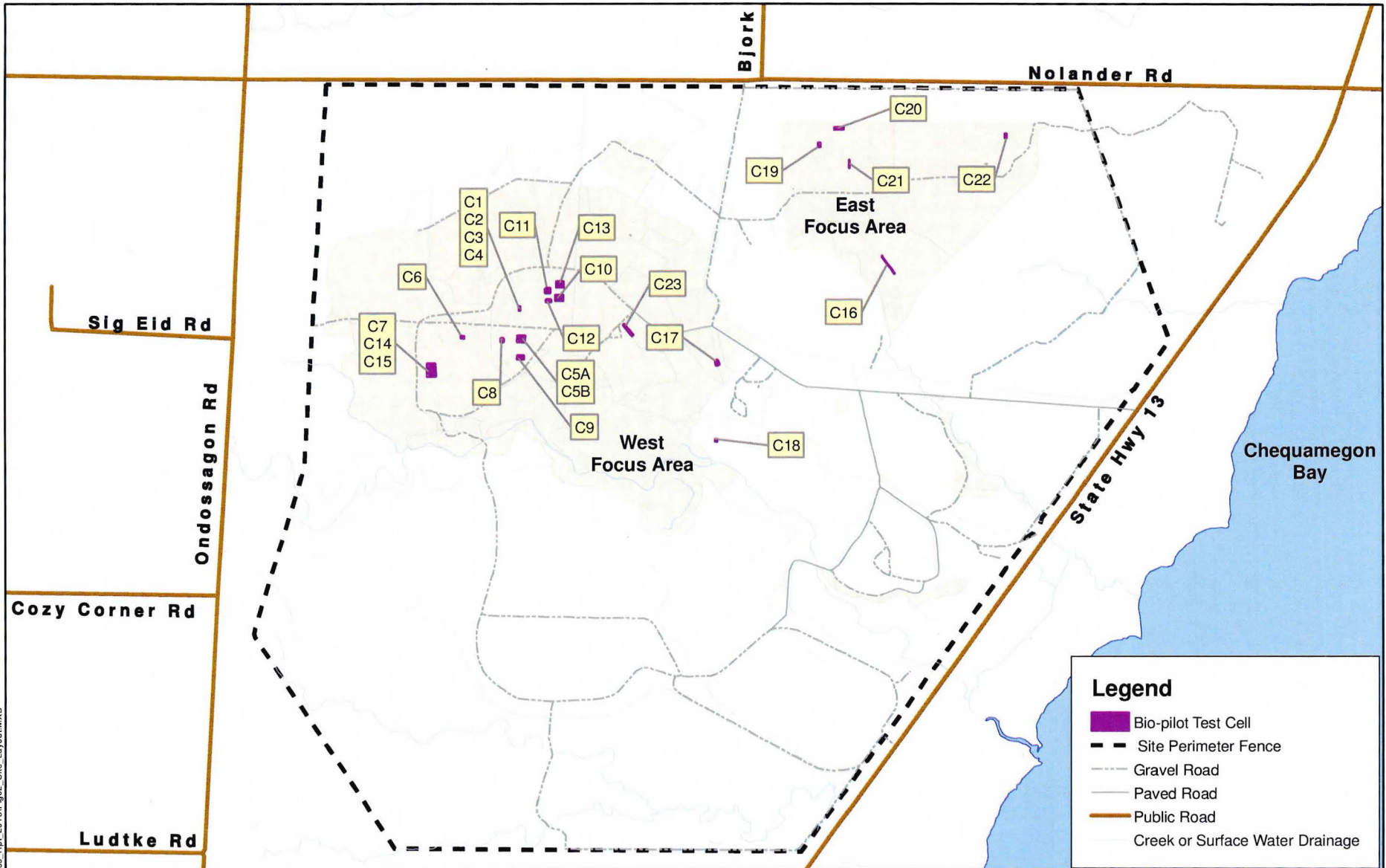


Source: USGS 1:100,000 scale metric topographic map. Revised 1989. Contour interval 10-meters.

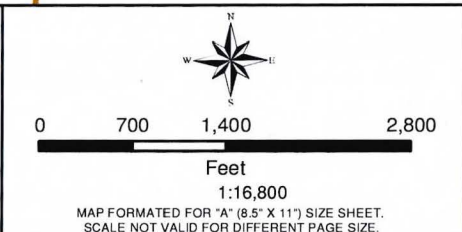
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Area Map (Optional)	<p>1:63,360 MAP FORMATED FOR "A" (8.5" X 11") SIZE SHEET. SCALE NOT VALID FOR DIFFERENT PAGE SIZE.</p>	<p>FILE NUMBER:</p> <p>DESIGNED BY: JH</p> <p>DRAWN BY: KJB</p> <p>DATA QUALITY CHECK BY: JH</p>	<p>URS Corporation 325 West Main Street Suite 1202 Louisville, Kentucky 40202</p>	<p>Regional Site Location</p> <p>Waste Management Progress Report No. 2 Bioremediation Pilot Test – 2013 Field Season Former DuPont Barksdale Works Barksdale, Wisconsin 54806</p>	<p>PROJECT NUMBER: 18986218</p> <p>DATE: April 2014</p> <p>FIGURE NUMBER: 1</p>
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Area Map (Optional)



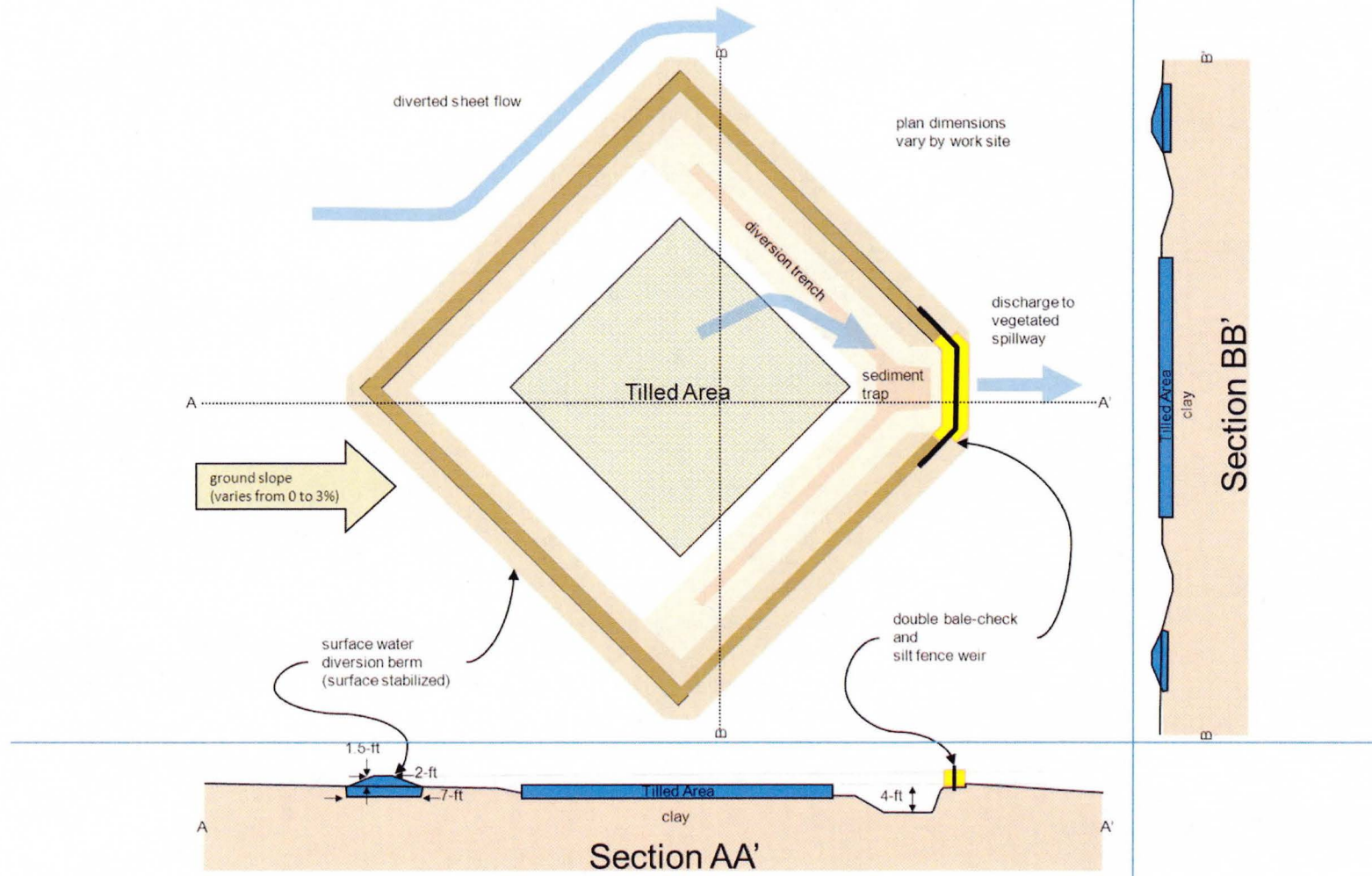
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DESIGNED BY: JH
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Site Layout and Bio-cell Locations
Waste Management Progress Report No. 2
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:
18986218
DATE:
April 2014
FIGURE NUMBER:
2

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Area Map (Optional)

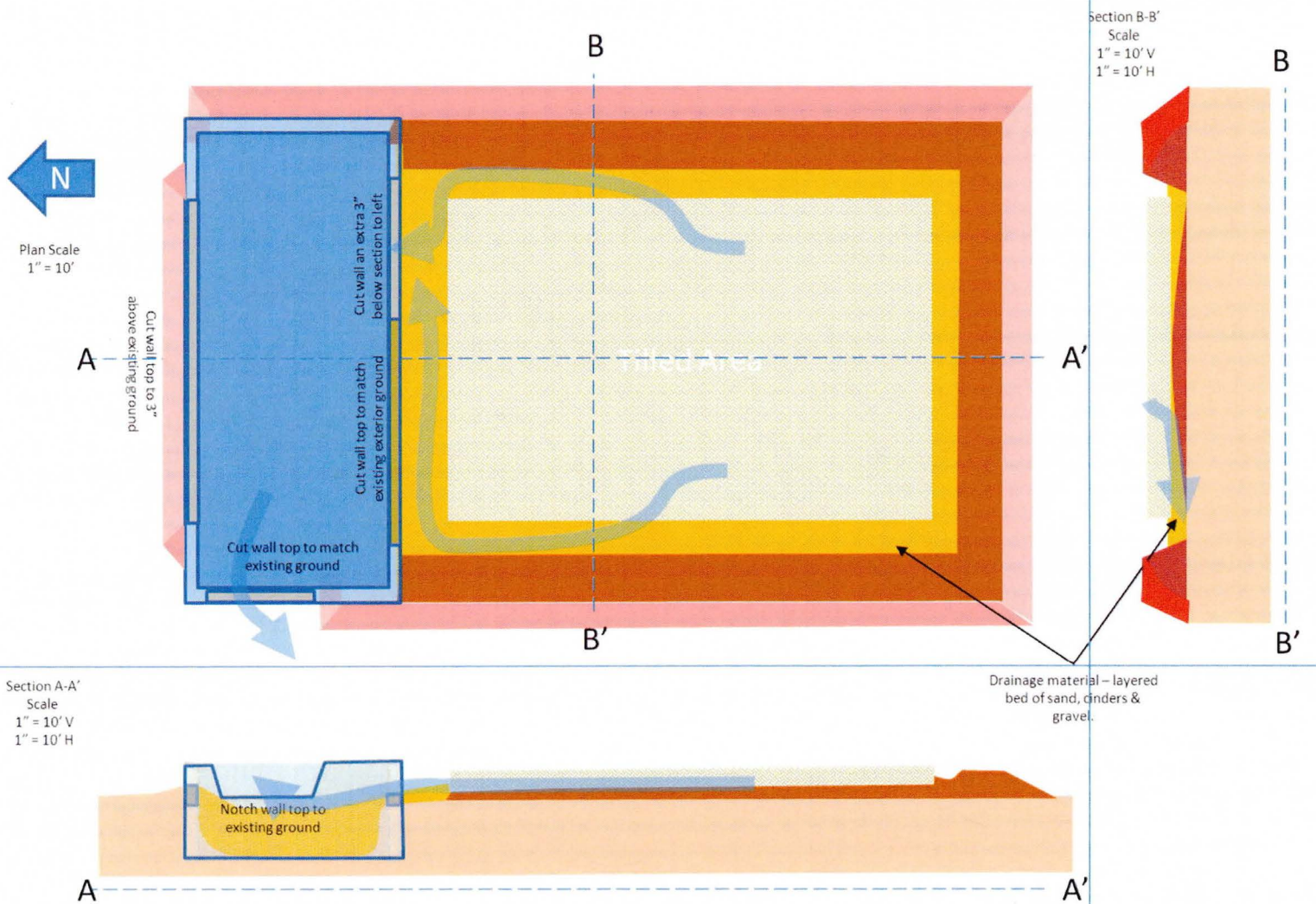
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Typical Biopilot Sites
 Operational Stage 2007-2010

Waste Management Progress Report No. 2
 Bioremediation Pilot Test – 2013 Field Season
 Former DuPont Barksdale Works
 Barksdale, Wisconsin 54806

PROJECT NUMBER:
 18986218
 DATE:
 April 2014
 FIGURE NUMBER:
 3



O:\GISBAR_GISMap_Files\WM_Progress_Rpt_2013\Fig04_Cell_C19.MXD

Area Map (Optional)

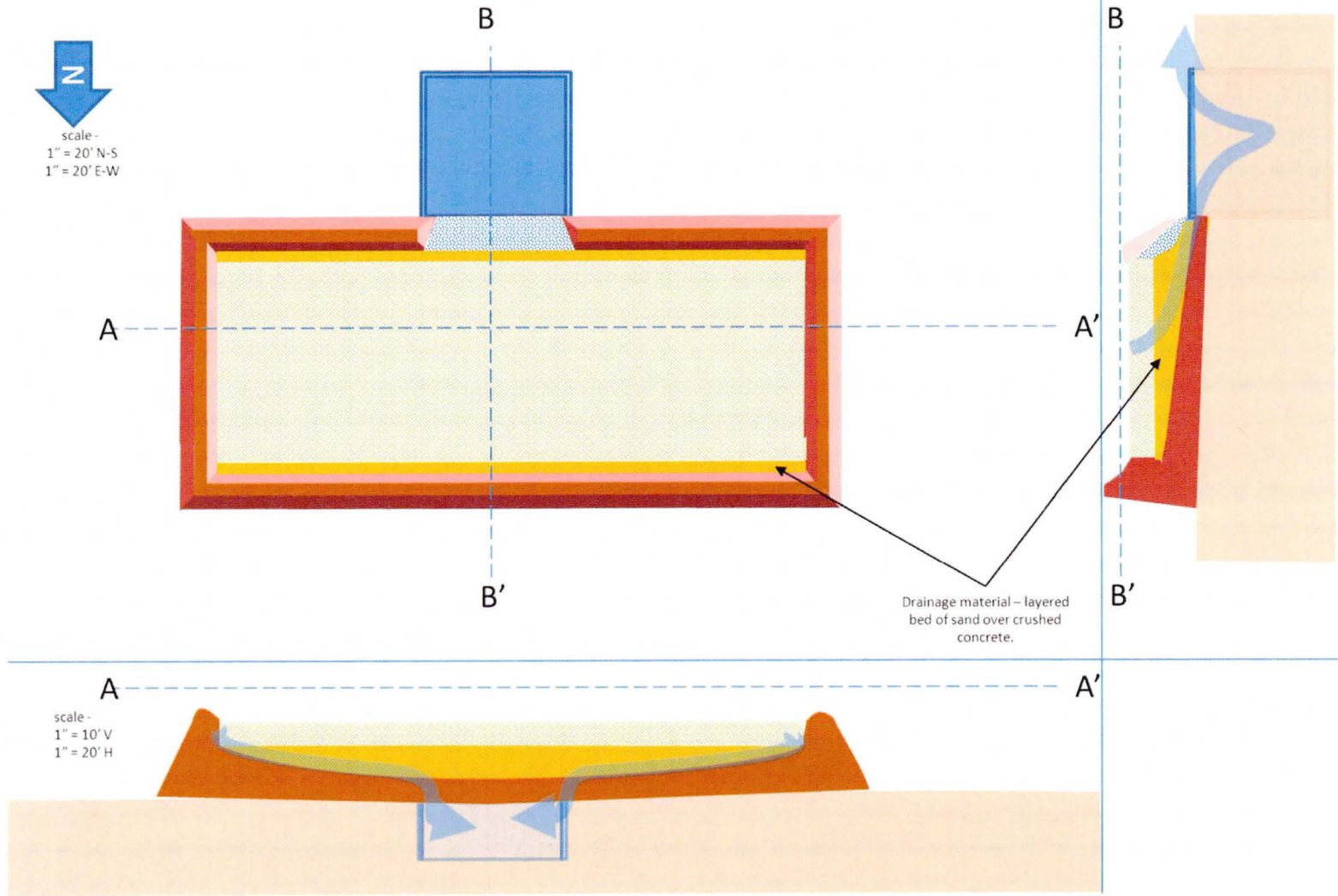
FILE NUMBER:
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Cell C19
TNT08 Bi-Tri House
Waste Management Progress Report No. 2
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:
18986218
DATE:
April 2014
FIGURE NUMBER:
4


 scale -
 1" = 20' N-S
 1" = 20' E-W



O:\GIS\BAR_GIS\Map_Files\WMM_Progress_Rpt_2013\Fig05_Cell_C20.MXD

Area Map (Optional)

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JH

DRAWN BY:

KJB

DATA QUALITY CHECK BY:

JH


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 Suite 1202
 Louisville, Kentucky 40202

Cell C20
 TNT09 Mono House
 (using Fortifying House as trap)

Waste Management Progress Report No. 2
 Bioremediation Pilot Test – 2013 Field Season
 Former DuPont Barksdale Works
 Barksdale, Wisconsin 54806

PROJECT NUMBER:
 18986218

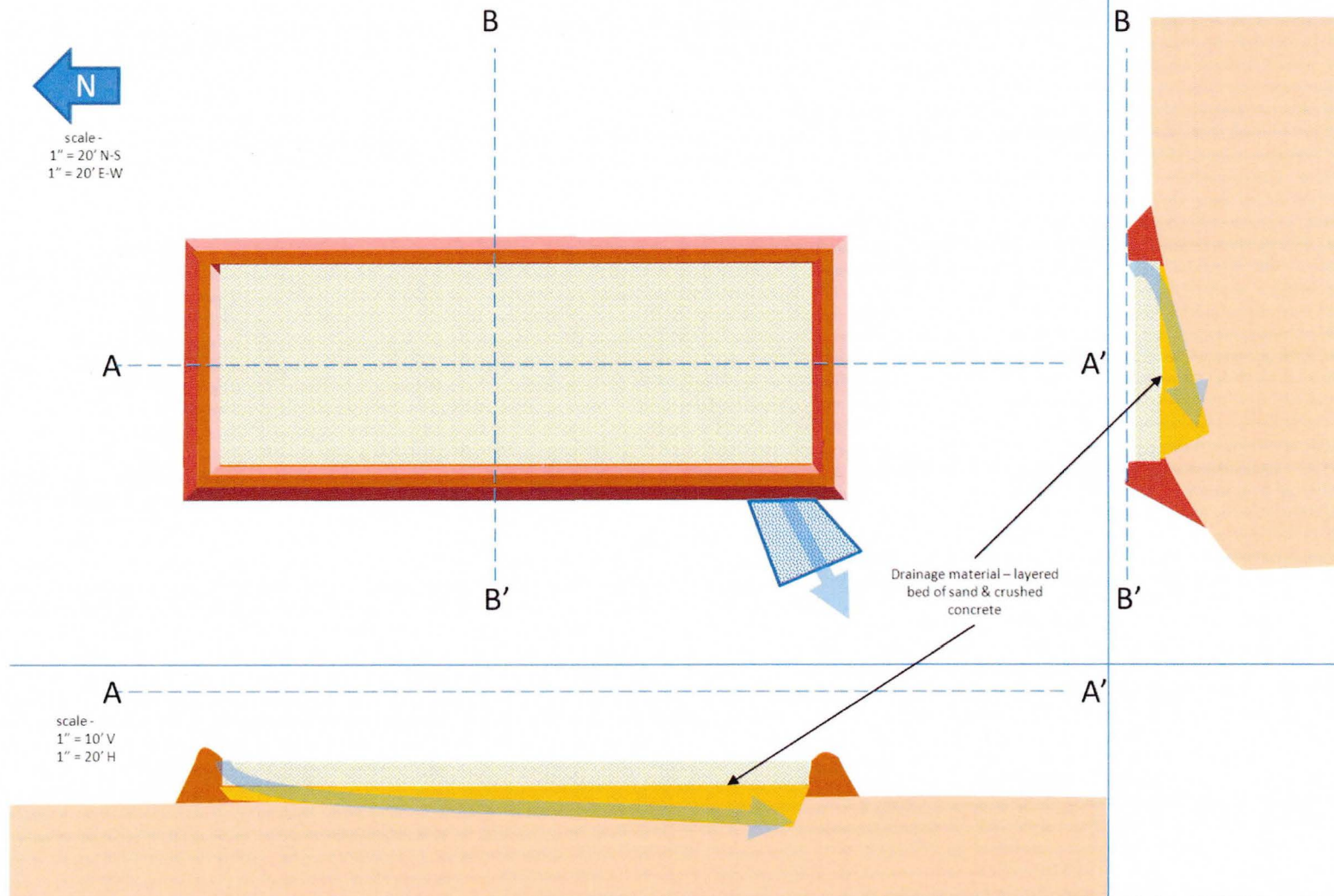
DATE:
 April 2014

FIGURE NUMBER:

5



scale -
1" = 20' N-S
1" = 20' E-W



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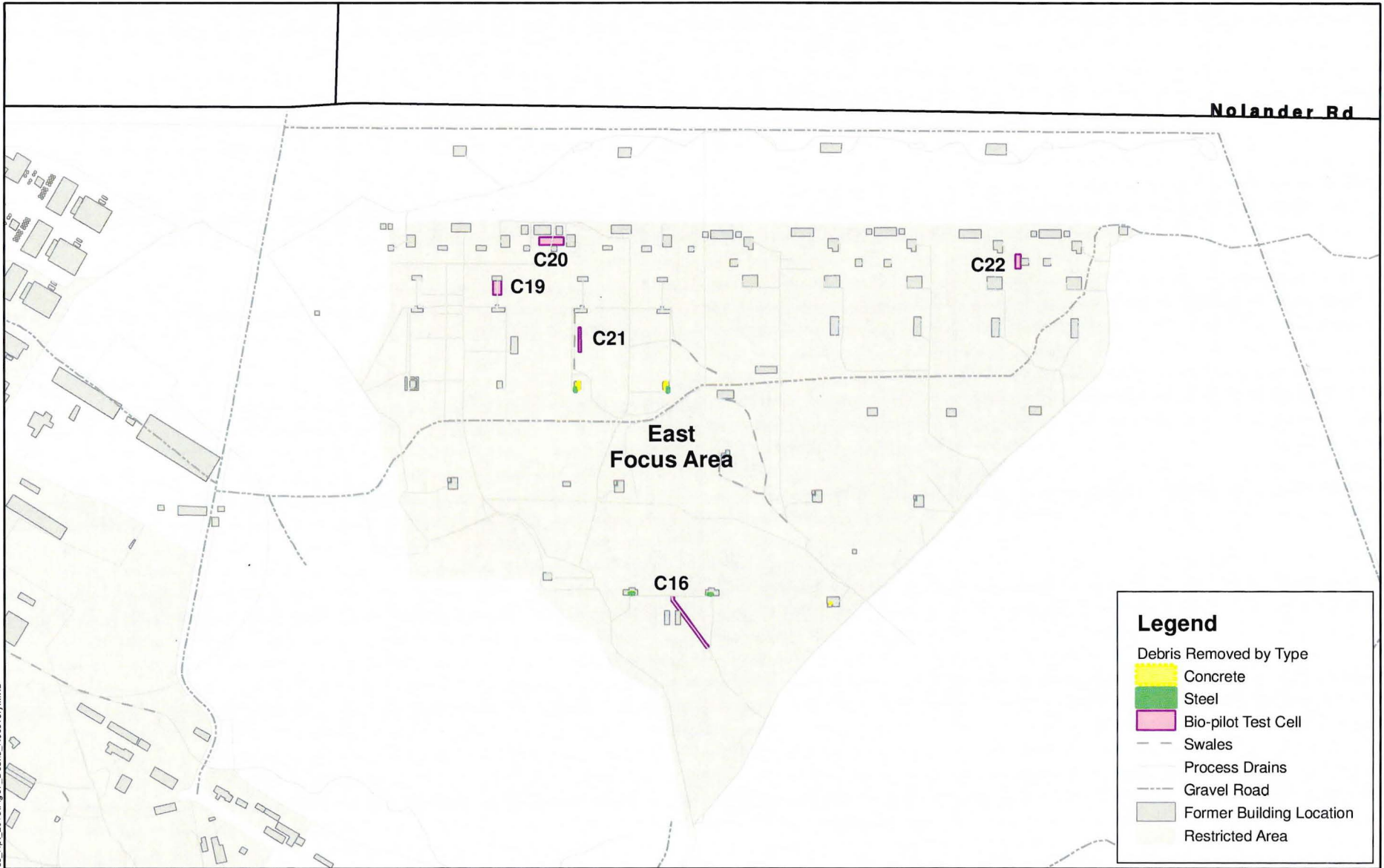
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Cell C21
TNT09 Neutralizing House Ditch
Waste Management Progress Report No. 2
Bioremediation Pilot Test - 2013 Field Season
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:
18986218
DATE:
April 2014
FIGURE NUMBER:
6

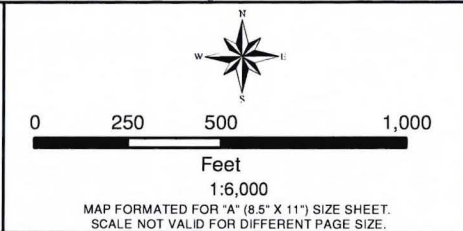
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Legend

- Concrete
- Steel
- Bio-pilot Test Cell
- Swales
- Process Drains
- Gravel Road
- Former Building Location
- Restricted Area

Area Map (Optional)



FILE NUMBER:
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 DATA QUALITY CHECK BY: JH

URS
 URS Corporation
 325 West Main Street
 Suite 1202
 Louisville, Kentucky 40202

2013 Debris Recovery Locations

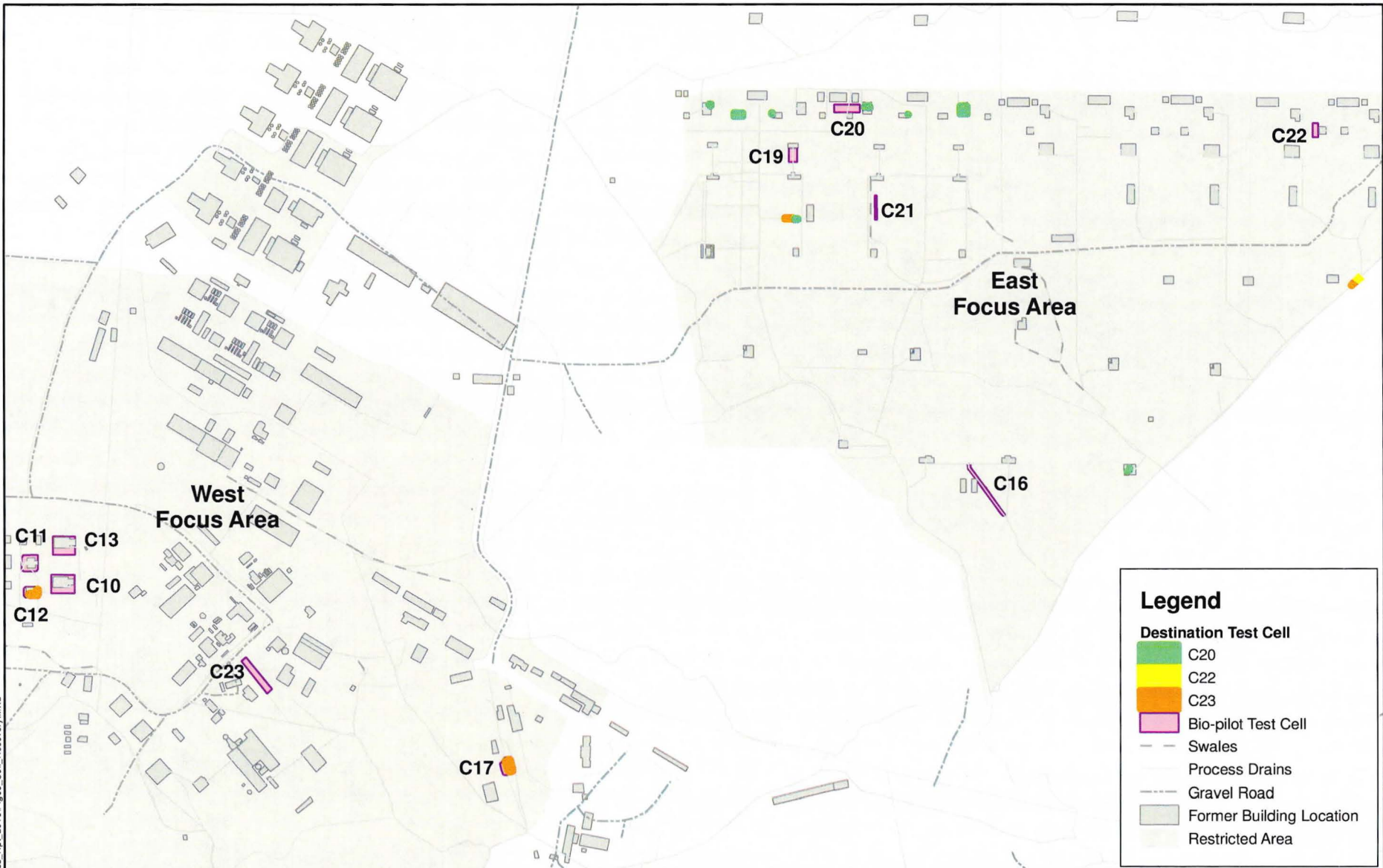
Waste Management Progress Report No. 2
 Bioremediation Pilot Test – 2013 Field Season
 Former DuPont Barksdale Works
 Barksdale, Wisconsin 54806

PROJECT NUMBER:
18986218

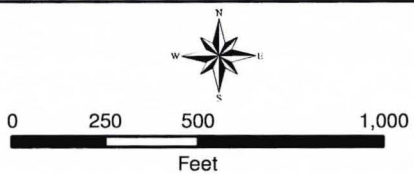
DATE:
April 2014

FIGURE NUMBER:
7

O:\GIS\BAR_GIS\Map_Files\WM_Progress_Rpt_2013\Fig08_Soil_Recovery.MXD



Area Map (Optional)



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

FILE NUMBER:

DESIGNED BY:

JH

DRAWN BY:

KJB

DATA QUALITY CHECK BY:

JH



URS Corporation
325 West Main Street
Suite 1202
Louisville, Kentucky 40202

2013 Impacted Soil Recovery Locations

Waste Management Progress Report No. 2
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Works
Barksdale, Wisconsin 54806

PROJECT NUMBER:
18986218

DATE:
April 2014

FIGURE NUMBER:
8

APPENDIX A
WDNR FORM 4400-194
Operation, Maintenance, Monitoring and Optimization
Reporting of Soil and Groundwater Remediation Systems

**OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS**

PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(e), Wis. Adm. Code. Use of this form is mandatory. Failure to submit this form as required is a violation of s. NR 724.13, Wis. Adm. Code, and is subject to the penalties in s. 144.99, Wis. Stats. This form must be submitted every six months for active soil and groundwater remediation projects and every twelve months for passive (natural attenuation) remediation projects that are regulated under the NR 700 series of Wis. Adm. Code. Specifically, for sites meeting any of the following criteria:

- Soil or groundwater remediation projects that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code.
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.13(3), Wis. Adm. Code. (Note: s. NR 724.13(3) requires progress reports for operation and maintenance of active systems to be submitted every three months however the Department considers submittal of this form every six months to satisfy the requirements of the rules, unless otherwise directed by the Department on a site specific basis.)
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.17(3), Wis. Adm. Code. (Note: s. NR 724.17(3) requires progress reports every time that samples are collected however the Department considers submittal of this form every twelve months to satisfy the requirements of the rules for monitoring natural attenuation, unless otherwise directed by the Department on a site specific basis.)

Submittal of this form is not a substitute for reporting required by Department programs such as Wastewater or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Please refer to the instructions that are attached to the back of these forms starting on page INS-1. In all cases, when asked to "explain," those explanations are to be included on separate sheets of paper. Explanations must include a title that refers to the page and item number, for example: Page GI-2, C.1.a.

A. GENERAL INFORMATION:

1. Site name: _____ Former DuPont Barksdale Works
2. Reporting period from: _____ May 22, 2013 _____ To: _____ May 21, 2014 _____ Days in period: _____ 365
3. Regulatory agency (enter DNR, DCOM, DATCP and/or other): _____ DNR
4. DNR issued site number: _____ BRRTS# 02-04-000156
5. State reimbursement fund claim number and fund name (if not applicable, enter NA): _____ NA
6. Site location:
 - a. DNR region and county: _____ Northern / Bayfield
 - b. Street address and municipality: _____ 72315 State Highway 13, Town of Barksdale, Bayfield County, WI
 - c. Township, range, section and quarter quarter section: _____ NW Sec 24; SENW, NESW, S half NE; and N half SE Sec 23 T48N R05W
7. Responsible party:
 - a. Name: _____ E I DuPont de Nemours & Company
 - b. Mailing address: _____ Mr. Bradley Nave, Project Director
7204 Overlook Cove, Georgetown, IN 47122
 - c. Phone number: _____ 1-812-923-1136
8. Consultant:
 - a. Company name: _____ URS Corporation
 - b. Mailing address: _____ Mr. Carroll E. Pooler, III, Project Manager
325 W. Main St., Suite 1202, Louisville, KY 40202
 - c. Phone number: _____ 1-502-217-1534
9. Contaminants: _____ Nitramine and Nitroaromatic Organic Compounds (NNOCs): TNT, DNT, DNX, TNX, NT
10. Soil types (USCS or USDA): _____ CL / SM-ML / SC
11. Hydraulic conductivity (cm/sec): _____ NA
12. Average linear velocity of groundwater (ft/yr): _____ NA

**OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS**

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: _____ Former DuPont Barksdale Works

Reporting period from: _____ May 22, 2013 To: _____ May 21, 2014 Days in period: _____ 365

A. GENERAL INFORMATION (CONTINUED):

13. If soil is treated ex situ, is the treatment location off site? (Y/N) If yes, give location: _____ No
- a. DNR region and county: _____ NA
- b. Township, range, section and quarter quarter section: _____ NA

B. REMEDIATION METHOD: Only submit pages that apply to an individual site. Check all that apply:

- _____ Groundwater extraction (submit a completed page GW-1).
_____ Free product recovery (submit a completed page GW-1).
_____ In situ air sparging (submit a completed page GW-2).
_____ Groundwater natural attenuation (submit a completed page GW-3).
_____ Other groundwater remediation method (submit a completed page GW-4).
_____ Soil venting (including soil vapor extraction and bioventing, submit a completed page IS-1).
 Soil natural attenuation (submit a completed page IS-2).
_____ Other in situ soil remediation method (submit a completed page IS-3).
_____ Biopiles (submit a completed page ES-1).
_____ Landspreading/thinspreading of petroleum contaminated soil (submit a completed page ES-2).
 Other ex situ soil remediation method (submit a completed page ES-3).

C. GENERAL EFFECTIVENESS EVALUATION FOR ALL ACTIVE SYSTEMS: If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? (Y/N): _____ NA
If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
2. Are modifications to the system warranted to improve effectiveness? (Y/N) If yes, explain: _____ No
3. Is natural attenuation an effective low cost option at this time? (Y/N): _____ No
4. Is closure sampling warranted at this time? (Y/N): _____ No
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? (Y/N) If yes, explain: _____ NA

D. ECONOMIC AND COST DATA TO DATE:

1. Total investigation costs (\$): _____ NA
2. Implementation costs (design, capital and installation costs, excluding investigation costs) (\$): _____ NA
3. Total costs during the previous reporting period (\$): _____ NA
4. Total costs during this reporting period (\$): _____ NA
5. Total anticipated costs for the next reporting period (\$): _____ NA
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (Y/N) If yes explain: _____ No
7. If close out is anticipated within 12 months, estimated costs for project closeout (\$): _____ NA

**OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS**

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

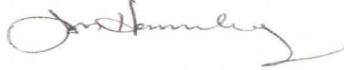
Site name: _____ Former DuPont Barksdale Works

Reporting period from: _____ May 22, 2013 To: _____ May 21, 2014 Days in period: _____ 365

E. NAME(S), SIGNATURE(S) AND DATE OF PERSON(S) SUBMITTING FORM: Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form.

Registered Professional Engineers:

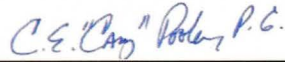
I (print name) _____ Jon R Hammerberg _____, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



Signature, title, P.E. number and date: _____ E-3026 - May 15, 2014

Hydrogeologists:

I (print name) _____ Carroll E Pooler, III _____, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



Signature, title and date: _____ Project Manager, P.G. 1265 - May 15, 2014

Scientists:

I (print name) _____, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title and date: _____

Professional Seal(s), if applicable:



**OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS**

OTHER IN SITU SOIL REMEDIATION METHODS

SITE NAME AND REPORTING PERIOD:

Site name: _____ Former DuPont Barksdale Works

Reporting period from: _____ May 22, 2013 To: _____ May 21, 2014 Days in period: _____ 365

Date that the system was first started up: _____ June 16, 2007

A. EFFECTIVENESS EVALUATION:

1. Describe the method used to remediate soil at the site. _____ The Bioremediation Pilot Test program is a preliminary evaluation of the efficacy
_____ of enhanced attenuation of NNOCs using periodic soil tilling with moisture and pH adjustment. The test program is currently evaluating
_____ alternate till bed configurations, tilling frequencies, and cell construction methods. Analytical data is currently being collected to evaluate the
_____ effects of soil moisture, pH and various NNOC mixtures on degradation pathways and is anticipated to provide information needed to
_____ implement a full scale program within several years.

2. List all information required by the DNR for this remediation method for this site:
_____ This progress report was required to support the Remediation Variance issued by WDNR for the Bioremediation Pilot Test program. Methods
_____ to achieve remediation are currently not fully evaluated and will not be available until the test program is completed. Until such time, annual
_____ progress reports attached to this form will provide waste tracking data requested by the Remediation Variance for the following topics:

- 1) Product Residuals and Debris Removed from Bioremediation Pilot Cells _____
- 2) Movement of Impacted Soils into Bioremediation Pilot Cells _____
- 3) Alternative Treatment of Large Debris _____

_____ This page IS-3 covers the test cells constructed in-situ: cells C01 through C18.

B. ADDITIONAL ATTACHMENTS: Attach the following to this form:
Any other attachments required by the DNR for this remediation method.

**OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS**

OTHER EX SITU SOIL REMEDIATION METHODS

SITE NAME AND REPORTING PERIOD:

Site name: _____ Former DuPont Barksdale Works
Reporting period from: _____ May 22, 2013 To: _____ May 21, 2014 Days in period: _____ 365
Date that the system was first started up: _____ June 16, 2007

A. EFFECTIVENESS EVALUATION:

1. Describe the method used to remediate soil at the site. _____ The Bioremediation Pilot Test program is a preliminary evaluation of the efficacy
_____ of enhanced attenuation of NNOCs using periodic soil tilling with moisture and pH adjustment. The test program is currently evaluating
_____ alternate till bed configurations, tilling frequencies, and cell construction methods. Analytical data is currently being collected to evaluate the
_____ effects of soil moisture, pH and various NNOC mixtures on degradation pathways and is anticipated to provide information needed to
_____ implement a full scale program within several years.

2. List all information required by the DNR for this remediation method for this site:
_____ This progress report was required to support the Remediation Variance issued by WDNR for the Bioremediation Pilot Test program. Methods
_____ to achieve remediation are currently not fully evaluated and will not be available until the test program is completed. Until such time, annual
_____ progress reports attached to this form will provide waste tracking data requested by the Remediation Variance for the following topics:

- 1) Product Residuals and Debris Removed from Bioremediation Pilot Cells
- 2) Movement of Impacted Soils into Bioremediation Pilot Cells
- 3) Alternative Treatment of Large Debris

_____ This page ES-3 covers the test cells constructed above ground: cells C19, C20, C21 and C23.

B. ADDITIONAL ATTACHMENTS: Attach the following to this form:
Any other attachments required by the DNR for this remediation method.

Form 4400-194

Explanations

Waste Management Progress Report No. 2
For Period May 23, 2013 to May 22, 2014
Bioremediation Pilot Test – 2013 Field Season
Former DuPont Barksdale Explosives Plant
Remediation Variance Approval of May 22, 2012
Bayfield County, Wisconsin

- Page GI-2 items A.13 (a) and (b): Two ex-situ cells (C20 and C23) were constructed in 2013. These cells are located within the site boundaries.
- Page GI-2 items C.1 and C.5: The current system is a field pilot intended to determine design rates and specifications.
- Page GI-2 items D.1 through D.7: Per telephone correspondence with WDNR Project Manager, Chris Saari, on April 26, 2013 the current system is a field pilot intended to determine design rates and specifications economic evaluation of operating costs is not appropriate at this time.

APPENDIX B
WASTE MANIFESTS

State of Wisconsin 2013 Hazardous Waste Report
Manifest - D030 Solids - 000717185VES
Manifest – ACM Solids – WSR0019077
Bill of Lading - Treated Waste Water - CRGM00179

Hazardous Waste Report Certification

Hazardous Waste Reporting-WA/5
WI DNR
PO BOX 7921
Madison, WI 53707-7921

Site Name and Location

EPA ID : WIR000133447
Facility ID : 804009140
Site Name : DUPONT BARKSDALE WORKS
Site Location: 72315 STH 13
BARKSDALE, WI 54806

Primary NAICS Code : 56291

Mail Address :
325 W MAIN STE 1202
LOUISVILLE, KY 40202

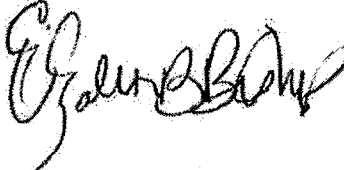
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: ELIZABETH BISHOP

Title: WASTE CONSULTANT

Signature:

 (on behalf of Dupont)

Date of Signature:

2-4-2014

Site Name and Location

EPA ID : WIR000133447
Facility ID : 804009140
Site Name : DUPONT BARKSDALE WORKS
Site Location: 72315 STH 13
BARKSDALE, WI 54806

Primary NAICS Code : 56291

Mail Address :
325 W MAIN STE 1202
LOUISVILLE, KY 40202

FACILITY OWNER INFORMATION

Facility Owner Name: BRETTING DEVELOPMENT CORP
Owner Start Date 1/1/1986
Facility Owner Type: PRIVATE
Address 3401 LAKE PARK RD
City,State Zip: ASHLAND, WI 54806
Country UNITED STATES
Telephone # and Ext.: 715-682-5231

Waste Report Certifier Information

Name/Title ELIZABETH BISHOP WASTE CONSULTANT
Phone and Ext. /FAX 303-216-2558
Email Address elizabeth.bishop@urs.com
Address 17221 W. 17TH PLACE GOLDEN CO 80401

Waste Contact Information

Name/Title BRADLEY NAVE PROJECT DIRECTOR
Phone and Ext. /FAX 812-923-1136
Email Address BRADLEY.S.NAVE@DUPONT.COM
Address 325 WEST MAIN SUITE 1202 LOUISVILLE KY 40202

Waste Report Preparer Information

Name/Title ELIZABETH BISHOP WASTE CONSULTANT
Phone and Ext. /FAX 303-216-2558
Email Address elizabeth.bishop@urs.com
Address 17221 W. 17TH PLACE GOLDEN CO 80401

Hazardous Waste Activity

During 2013	Currently in 2014	Generator of Hazardous Waste	
		Large Quantity Generator	Generate in any calendar month 1,000 kg (2,205 lbs) or more of hazardous waste; or Generate in any calendar month, or Accumulate at any time, more than 1 kg (2.2 lbs) of acute hazardous waste or more than 100 kg (220 lbs) of acute hazardous waste spill cleanup material.
X	X	Small Quantity Generator	Generate in every calendar month less than 1,000 kg (2,205 lbs) of hazardous waste; and Accumulate at all times no more than 6,000 kg (13,320 lbs) of hazardous waste; and Generate in every calendar month, and Accumulate at all times, no more than 1 kg (2.2 lbs) of acute hazardous waste and no more than 100 kg (220 lbs) of acute hazardous waste spill cleanup material.
		Very Small Quantity Generator	Generate in every calendar month no more than 100 kg (220 lbs) of hazardous waste; and Accumulate at all times no more than 1,000 kg (2,205 lbs) of hazardous waste; and Generate in every calendar month, and Accumulate at all times, no more than 1 kg (2.2 lbs) of acute hazardous waste and no more than 100 kg (220 lbs) of acute hazardous waste spill cleanup material.
		Non generator	Generate no hazardous waste.
Yes X No	Yes X No	Treater, Storer, or Disposer of Hazardous Waste at your site AND a Receiver of Hazardous Waste from Off-site OR Treater, Storer or Disposer of Hazardous Waste at your site AND NOT a Receiver of Hazardous Waste from Off-site	
Yes X No	Yes X No	Publicly Owned (Wastewater) Treatment Works (POTW) that accepts hazardous waste (via truck, rail, or dedicated pipe) for treatment, and complies with s. NR 670.001(3)(b)9.	
Yes X No	Yes X No	Permanent Household and Very Small Quantity Generator Hazardous Waste Collection Facility that ships hazardous waste off-site to a licensed or permitted hazardous waste treatment, storage or disposal facility, or to a recycling facility	

Other Regulated Waste Activities Currently Involved In:

Hazardous Waste Activities

1. Generator

- a. Short-Term Generator (generate from a short-term or one-time event and not from on-going process). if Yes, provide an explanation in the Comments section **Yes**
- b. United States Importer of Hazardous Waste **No**
- c. Mixed Waste (hazardous and radioactive) Generator **No**

2. Transporter of Hazardous Waste

- a. Transporter **No**
- b. Transfer Facility (at your site) **No**

3. Recycler of Hazardous Waste (at your site) **No**

4. Exempt Boiler or Industrial Furnace

- a. Small Quantity On-Site Burner Exemption **No**
- b. Smelting, Melting, and Refining Furnace Exemption **No**

Universal Waste Activities

1. Universal Waste Large Quantity Handler (accumulate 5,000 kg (11,025 lbs) or more at any time)

Universal Waste managed at your site (accumulate 5,000 kg (11,025 lbs) or more) No

Managed

- | | | |
|------------------------|-------|----|
| a. Batteries | ..... | No |
| b. Pesticides | ..... | No |
| c. Mercury Thermostats | ..... | No |
| d. Fluorescent Lamps | ..... | No |
| e. Antifreeze | ..... | No |
| f. Other (specify) | ..... | No |

2. Universal Waste Destination Facility No

Used Oil Activities:

1. Used Oil Transporter

- | | | |
|-------------------------------------|-------|----|
| a. Transporter | ..... | No |
| b. Transfer Facility (at your site) | ..... | No |

2. Used Oil Processor or Re-Refiner

- | | | |
|---------------|-------|----|
| a. Processor | ..... | No |
| b. Re-Refiner | ..... | No |

3. Off-Specification Used Oil Burner No

4. Used Oil Fuel Marketer

- | | | |
|---|-------|----|
| a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner | ..... | No |
| b. Marketer Who First Claims the Used Oil Meets the Specifications | ..... | No |

Eligible Academic Entities with Laboratories-Notification for opting into or withdrawing from managing laboratory hazardous wastes per 40 CFR Part 262 Subpart K (select all that apply):

1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

- | | | |
|---|-------|----|
| a. College or University | ..... | No |
| b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university | ..... | No |
| c. Non-Profit Institute that is owned by or has a formal written affiliation agreement with a college or university | ..... | No |

2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories No

Comments

Site Name and Location

EPA ID : WIR000133447
Facility ID : 804009140
Site Name : DUPONT BARKSDALE WORKS
Site Location: 72315 STH 13
BARKSDALE, WI 54806

Primary NAICS Code : 56291

Mail Address :
325 W MAIN STE 1202
LOUISVILLE, KY 40202

A. Generator status during report year:

Small Quantity Generator

Base fee for generator status reported

\$350.00

B. Amounts Generated and Tonnage Fee Exempted

1. Amount of waste generated (in lbs) 1,505

2. Please answer the following:

2a. Was the waste recovered for recycling or reuse (including hazardous waste burned for the purpose of energy recovery) ? **No**

Amount of waste recovered/recycled (in lbs)

2b. Was the waste leachate (which contained hazardous waste) transported to a wastewater treatment plant or discharged directly to a sewer ? (Note: Leachate is commonly generated by land disposal facilities) **No**

Amount of waste leachate transported to a WWTP (in lbs)

2c. Was the hazardous waste removed from the site to repair environmental pollution ? **Yes**

Amount of waste removed through environmental repair (in lbs) 1,505

2d. Was the hazardous waste collected by a municipality under a program for the collection and disposal of either household or agricultural hazardous waste ? **No**

Amount of waste collected under clean sweep (in lbs)

Net Waste (calculated from above) :

Tonnage Fee estimate (based on net waste) : \$.00

Total Fee Estimate (Base Fee + Tonnage Fee): \$350.00

(Maximum Total Fee \$17,500)

This is only an estimate. Please do not pay this fee now.

Comments

Waste only generated during October 2013

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number W1R00010447	2. Page 1 of 1	3. Emergency Response Phone 877-334-7672	4. Manifest Tracking Number 000717185 VES
---	---------------------------------------	----------------	---	---

5. Generator's Name and Mailing Address ROX LAKE, URB WATERFRONT PLAZA, WINDY HILL, MA 01890	Generator's Site Address (if different than mailing address) DUBOIS HAUKSDALE WORKS, BEDFORD ST, URS MORE, WINDY HILL, MA 01890
---	--

6. Transporter 1 Company Name VIOLIA'S TECHNICAL SERVICES	U.S. EPA ID Number
--	--------------------

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address EPA ID: W1R00010447	U.S. EPA ID Number
---	--------------------

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
		No.	Type			1	2	3
X	1. NA677 HAZARDOUS WASTE, SOLID, LIQUID (DIBUTYLSEBACATE, DIBUTYLSEBACATE, DIBUTYLSEBACATE) - PPE / PLASTIC	02	EM	100	P			
X	2. NA677 HAZARDOUS WASTE, SOLID, LIQUID (DIBUTYLSEBACATE, DIBUTYLSEBACATE, DIBUTYLSEBACATE) - PPE / PLASTIC	02	EM	1510	P			
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CW 55224
Charge Code: 9267 7720100C W106 507975

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name ELIZABETH BISHOP	Signature <i>(Signature)</i>	Month 10	Day 16	Year 13
---	---------------------------------	--------------------	------------------	-------------------

16. International Shipments <input type="checkbox"/> Import to U.S.	<input checked="" type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
--	--	---

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name Ray Smith	Signature <i>(Signature)</i>	Month 10	Day 16	Year 13
--	---------------------------------	--------------------	------------------	-------------------

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
----------------------------------	-----------	-------	-----	------

18. Discrepancy

18a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection
-----------------------------------	-----------------------------------	-------------------------------	----------------------------------	--	---

Manifest Reference Number:

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
--	--------------------

18c. Signature of Alternate Facility (or Generator)	Month Day Year
---	----------------

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
----	----	----	----

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a			
Printed/Typed Name	Signature	Month	Day Year

GENERATOR
TRANSPORTER
DESIGNATED FACILITY

ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number WIR000133447	2. Page 1 of 1	3. Emergency Response Phone (877) 618-0087	4. Shipping Document Tracking Number ZZ 00372507
--------------------------	--	----------------	---	--

5. Generator's Name and Mailing Address ROSA LAMB URS WATERFRONT PLAZA TOWER ONE 125 W. MAIN STREET SUITE 120 LOUISVILLE, KY 40102	Generator's Site Address (if different than mailing address) DUPONT BARKEDALE WORKS IN DUPONT C/O URS DRP 2515 HIGHWAY 13 WARRENBURN, WI 53091
--	--

6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS	U.S. EPA ID Number
--	--------------------

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS 1275 MINERAL SPRINGS DRIVE FORT WASHINGTON, WI 53074	U.S. EPA ID Number
--	--------------------

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Codes		
		No.	Type			UN	NA	HA
X	1. UN2794, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, (UNIVERSAL WASTE), 6, 10	01		1		9		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information	TER Service Contracted by VENTS - ID 177149 - (RELEAD-CID) CW65224 Charge Code: 9267 77201006 WLI06 507975 - CRG
--	--

15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name ELIZABETH BISHOP	Signature <i>Elizabeth Bishop</i> (on behalf of Dupont)	Month 10	Day 16	Year 13
--	--	-------------	-----------	------------

16. International Shipments	<input type="checkbox"/> Import to U.S.	<input type="checkbox"/> Export from U.S.	Port of entry/exit:	Date leaving U.S.:
-----------------------------	---	---	---------------------	--------------------

17. Transporter Acknowledgment of Receipt of Shipment				
Transporter 1 Printed/Typed Name Roy Sanchez	Signature <i>Roy Sanchez</i>	Month 10	Day 16	Year 13
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy				
18a. Discrepancy Indication Space	<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection
				<input type="checkbox"/> Full Rejection

18b. Alternate Facility (or Generator)	U.S. EPA ID Number
--	--------------------

18c. Signature of Alternate Facility (or Generator)	Month Day Year
---	----------------

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)			
1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a				
Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / SHIPPER'S INITIAL COPY

Transportation Activity Report

JOB NO: 1887088000
 BILL DOC NO WR31011704
 GENERATOR NO 486508

WO NO: 1887088988
 EPA ID: WIR000133447

BILL TO: E.I. DUPONT DE NEMOURS & CO
NASHVILLE PAYMENT CENTER
20 OLD HICKORY BLVD
OLD HICKORY, TN 371383159
(409) 888-0299

JOB SITE: DUPONT BARKSDALE WORKS
EI DUPONT C/O URS CORP
72315 HIGHWAY 13
WASHBURN, WI 54891
(715) 373-2100

CONTACT: FAX: 615/301-9883

CONTACT: JON HAMMERBERG

MANIFEST NUMBER(S):

000717185VES, 0019077, ZZ00372507

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
3500896885	1887088000	10/16/2013	CB2

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # 000717185VES WIP 374340 / Approval TW374340 SOIL AND DEBRIS W/TRACE DINITROTOLUENE		551A2-DM	100	P	1 / 2	
Manifest # 000717185VES WIP 374340 / Approval TW374340 SOIL AND DEBRIS W/TRACE DINITROTOLUENE		551H2-DF	1500	P	1 / 1	
Manifest # 0019077 WIP 143753 / Approval EPL2010-146 FRIABLE ASBESTOS		551A2-DM	24 DRUMS		1 / 1	
Manifest # ZZ00372507 WIP 497849 / Approval SSSLEADACID SEALED LEAD ACID BATTERIES		051H2-DF	1	P	1 / 1	
Misc. - MOBILIZATION FEE 301-400 MILES DEDICATED		3886	1	EACH		
Misc. - TRANSPORTER DEMURRAGE FEE		1243	2	HOUR		
Misc. - FUEL SURCHARGE		3400	1	PERCNT		

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Transportation Activity Report

JOB NO: 1887088000 WO NO: 1887088998
 BILL DOC NO WR21011704
 GENERATOR NO 486508 EPA ID: WR006133447

BILL TO: E.I. DUPONT DE NEMOURS & CO
 NASHVILLE PAYMENT CENTER
 28 OLD HICKORY BLVD
 OLD HICKORY, TN 371383159
 (409) 886-8289

JOB SITE: DUPONT BARKSDALE WORKS
 E.I. DUPONT C/O URS CORP
 72315 HIGHWAY 13
 WASHBURN, WI 54891
 (715) 373-2100

CONTACT: FAX: 815/381-8883

CONTACT: JON HAMMERBERG

MANIFEST NUMBER(S):



000717185VES, 0019077, ZZ00372507

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
3500896885	1887088000	10/16/2013	CB2

DESCRIPTION	#CONT.	CONT CODE	QTY	UOM	PG/LN	WASTE AREA
Mtl. - 051H2 - 5 GAL WHITE POLY PAILS		B3	1	EACH		

Total Hours: 2

TOTAL LOADING DEMURRAGE (HRS)	COMMENTS	TOTAL UNLOADING DEMURRAGE (HRS)
START TIME: 10:00 END TIME: 11:45 TOTAL (HRS): 1.75	UNIT IN # 214091 UNIT OUT # 214091 WASHOUT: YES / NO USED: 0 / 1 / 2 / 3 LINERS	START TIME: _____ END TIME: _____ TOTAL (HRS): _____

	SIGNATURES	DATES
CUSTOMER		10/16/13
DRIVER		10-16-13

COMMENTS OR DELAY EXPLANATIONS:

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Land Disposal Restriction Notification Form

Generator Name DUPONT BARKSDALE WORKS

EPA ID Number WIR000133447

Manifest 000717185VES

This notice is being provided in accordance with 40 CFR 265.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number WR-1887088000-002 (1/ 1)

WIP / Approval Code: **374340 / TWI374340**
Form Designation / CWA Status: **Non-Wastewater / Non-CWA**
Waste Codes (Subcategories): **D007, D008 (NONE), D030**
Constituents (F001 - F005): **None**
UHCs Present: **None**
Treatment Requirements: **Restricted waste requires treatment to applicable standards.**
Additional Notices:

Container Number WR-1887088000-001 (1/ 2)

WIP / Approval Code: **374340 / TWI374340**
Form Designation / CWA Status: **Non-Wastewater / Non-CWA**
Waste Codes (Subcategories): **D007, D008 (NONE), D030**
Constituents (F001 - F005): **None**
UHCs Present: **None**
Treatment Requirements: **Restricted waste requires treatment to applicable standards.**
Additional Notices:

I hereby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature



Title

Waste Engineer

Date

10-14-13

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

WSR# 0019077

1-A. Special Waste Profile # CGST #235 EPL2010-146		1-B. 24 Hour Response Telephone Number 877-818-0087	
1. Work Site Name and Mailing Address DuPont Barksdale Works 72315 Hwy 13, Washburn, WI		Owner's Name EI DuPont c/o URS Corp.	Owner's Phone No. 502-569-7093
2. Operator's Name and Address Rosa Lamb, URS Waterfront Plaza, Tower One 325 W. Main Street Suite 1202, Louisville, KY 40202		Operator's Phone No. 502-569-7093	
3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Location Advanced Disposal Services Emerald Park Landfill, LLC W124 S10629 124th St., Muskego, WI 53150		WDS Phone No. 414/529-1360	
4. Name, and Address of Responsible Agency U.S. Environmental Protection Agency, Region V 203 South Dearborn St. • Chicago, IL 60604			
Generator	5. Description of Materials HAZARDOUS SUBSTANCE, SOLID N.O.S. (ASBESTOS) RG ORM-E NA 9188		7. Total Quantity 8 m ³ 5 (yd ³)
	6. Containers No. 20 Type DM		
EX-38a FRIABLE ASBESTOS			
8. Special Handling Instructions and Additional Information 24 HOUR NOTICE, MUST BE BURIED. CW 55224 CC: 9267 7720100CWI106 507975-CRG			
9. GENERATOR / OPERATOR CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
Printed / Typed Name & Title ELIZABETH BISHOP		Signature <i>Elizabeth Bishop</i> (on behalf of URS)	Month Day Year 10 16 2013
Transporter	10. Transporter 1 (Acknowledgment of Receipt of Materials)		
	Printed / Typed Name & Title Address and Telephone No. Veolia ES Technical Solutions 1 Eden Lane, Flanders, NJ 07836 973-347-7111	Signature <i>[Signature]</i>	Month Day Year 10 16 2013
Transporter	11. Transporter 2 (Acknowledgment of Receipt of Materials)		
	Printed / Typed Name & Title Address and Telephone No.	Signature	Month Day Year
Disposal Site	12. Discrepancy Indication Space		
	13. Waste Disposal Site Owner or Operator Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.		
	Printed / Typed Name & Title / Gate Attendant	Signature	Month Day Year
North East		Elevation	

WHITE - Waste Disposal Site

CANARY - Generator / Operator

PINK - Transporter

GOLD - Generator / Operator

EPI-002-94

Carrier **HAZMAT**

SCAC - SCAC - SCAC - SCAC - SCAC
SCAC - SCAC - SCAC - SCAC - SCAC

Date **10-21-13**

Shipment Identification Number **CRGM00179**

DuPont Barksdale Works
72315 State Highway 13 South
Ashland, WI 54806

DuPont Reference(s)

Carrier's No.

Customer's Order Number(s)

If charges are to be prepaid, write or stamp here. "To be Prepaid."

To be Prepaid

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, assigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry.

IF PREPAID
MAIL FREIGHT BILLS TO:

Cass Information Sys
P.O. Box 17606
St. Louis, MO
63178

Subject to Section 7 of conditions of applicable bill of lading. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

E. I. du Pont de Nemours and Company

Per _____
(Signature of Consignor)

City of Superior Public Works
51 East 1st Street
Superior, WI 54880

EMERGENCY CONTACT:
FOR A CHEMICAL EMERGENCY
(SPILL, LEAK, EXPOSURE, FIRE or ACCIDENT)
CONTACT DuPont - DAY or NIGHT - BY CALLING
CHEMTREC - (800) 424-9300 (TOLL FREE)
ARLINGTON, VA 2227 3887
OUTSIDE CONTINENTAL U.S.A
(703) 527-3887 (COLLECT)

Repetitive Pattern Code

Rail Car / Transportation Unit
Initials & Number

If higher freight charges result, the agreed or declared value of the property is hereby specifically stated by the shipper not to exceed the relevant value provision as permitted by RRO MCS72 or as set forth in applicable tariffs.

NO. OF PKGS.	TYPE OF PKGS.	HM	DESCRIPTION	WEIGHT/LBS.	DePort CODE COMM.	CONT.	STCC CODE
	TT		Non-Regulated Waste Water 2050 gallons	17100 p			

- SPECIAL CONDITIONS**
- SHL Shipper Load
 - COU Consignee Unload
 - EXC Exclusive Use
 - SSF Single Shipment
 - DTL Minutes Detention
 - Other (specify)

9267 7720100C
GEN LEDGER
W106 507975
SUB. ACCOUNT

CARRIER HAS WRITTEN EMERGENCY RESPONSE INSTRUCTIONS.

Driver's Initials

(Rail, Cargo Tank, Portable Tank, Freight Container)
 Placarded
Name of Placard
 Truck - 1,000 lbs. or More
Placards Required

GROSS PRODUCT WEIGHT _____ p
GROSS PALLET WEIGHT _____
(_____ PALLETS @ _____ LBS/PALLET) Ø
GROSS SHIPPING WEIGHT _____

MODE EQUIP. TERMS
SPEC. CIR. SPEC. TRAF. DATA

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation, according to applicable regulations of the Department of Transportation. INTERMODAL CERTIFICATION, if applicable.

E. I. du Pont de Nemours and Company, Shipper
Per **John B. Borg** on behalf of DuPont
Permanent post-office address of shipper,

Agent
Per **Barkhart**

PICK UP **DELIVERY**

NAME *DEIDASH*
DuPont Brookdale Site

STREET
77315 State Hwy 13 South

CITY *Ashland NY* **STATE** *NY* **ZIP CODE** *14806*

CONTACT NAME *Jon Hammerberg* **PHONE** *715-373-2100*

SCHEDULED TIME
10/21/13 0800

NAME *ERTSUD*
Chief Superior Public Treatment

STREET
510 East 1st Street

CITY *Amherst NY* **STATE** *NY* **ZIP CODE** *14204*

CONTACT NAME *715-344-0392* **PHONE**

ADDITIONAL INFORMATION / EQUIPMENT DAMAGE
If damaged at pickup site, did you send in Equipment Damage Report (EDR) via Qualcomm? **Y** **N** Explain damage below.

Pursuant to 6NYCRR 372.2 (b) (2) (iii) HazMat certifies that it is Authorized to deliver this shipment of manifested waste to the TSDF listed on this Bill of Lading. Shipment valuation limits apply from HazMat Rules Publication 101, Item 848.

ADDITIONAL INFORMATION / EQUIPMENT DAMAGE
If damaged at delivery site, did you send in Equipment Damage Report (EDR) via Qualcomm? **Y** **N** Explain damage below.

PURCHASE ORDER NO. *089100179* **WORK ORDER NUMBER** **MANIFEST NUMBER** **H.M. NUMBER** *363924*

LOAD NUMBER **TRACTOR** *454* **TRAILER** *454* **ROLL OFF BOX** **DRIVER NUMBER** **DRIVER'S NAME**

EQUIPMENT	MATERIAL DESCRIPTION/MANIFEST NUMBER	QUANTITY	Product unloading station and/or tank approved by:
EQUIPMENT TYPE _____ # DROPPED _____ # PICKED UP _____ CONDITION REPORT _____	<i>Nitraz. whole water</i>		_____ CONSIGNEE'S SIGNATURE Compressor used YES _____ NO _____ In-Transit Heat used: YES _____ NO _____ Analysis/C of A: YES _____ NO _____

PICK UP

PICK UP DATE *10/21/13*

ARRIVAL TIME *0815* **AM** **PM** **RELEASE TIME** **AM** **PM**

DAY #2 DATE _____

ARRIVAL TIME _____ **AM** **PM** **RELEASE TIME** _____ **AM** **PM**

TRAILER EMPTY UPON ARRIVAL YES NO
(if not, explain below—)

DIP MEASUREMENT (Tankers Only) _____ **INCHES**

COMMENTS: (EXPLAIN ALL DELAYS) _____

DELIVERY *10/21/13 0900-1300*

DRIVER _____ **DAY #1 DATE** _____

ARRIVAL TIME _____ **AM** **PM** **RELEASE TIME** _____ **AM** **PM**

DAY #2 DATE _____ **ARRIVAL TIME** _____ **AM** **PM** **RELEASE TIME** _____ **AM** **PM**

DAY #3 DATE _____ **ARRIVAL TIME** _____ **AM** **PM** **RELEASE TIME** _____ **AM** **PM**

TRAILER CLEAN AND EMPTY UPON DEPARTURE YES NO
(if not, explain below—)

COMMENTS: (Explain all delays or discrepancies) _____

HAZMAT MATERIALS USED (ex. overpacks, etc.): YES NO

IF YES EXPLAIN: _____

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

SHIPPER'S SIGNATURE *[Signature]* **Date** *10/21/13*

IF YES EXPLAIN: _____

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.

CONSIGNEE'S SIGNATURE _____ **Date** _____

APPENDIX C

(SEE ATTACHED CD)

**WASTE CHARACTERIZATION LAB DATA - TEST AMERICA REPORT
J280-45944-1 Barksdale Waste Water Analytical Report**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-45944-1

TestAmerica Sample Delivery Group: 280-45944-1
Client Project/Site: BAR-Wastewater Sampling 08/13

For:

E.I. du Pont de Nemours and Company ADQM
c/o URS Corporation
Iron Hill Corporate Center
4051 Ogletown Road, Suite 300
Newark, Delaware 19713

Attn: Ms. Sharon Nordstrom



Authorized for release by:
9/18/2013 2:12:54 PM

Michelle Johnston, Project Manager I
michelle.johnston@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
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Definitions/Glossary

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Case Narrative

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Job ID: 280-45944-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: E. I. DuPont

Project: BAR-Wastewater Sampling 08/13

Report Number: 280-45944-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Sample Arrival and Receipt

The two water samples presented in this report were received at the TestAmerica Denver laboratory at a temperature of 2.5°C on August 27, 2013. The sample containers were received in an acceptable condition. No anomalies were observed during sample receipt.

GC/MS Volatiles - Method 8260B

Samples WW8013-SI13001 (280-45944-1) and WW8013-TB-082613 (280-45944-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/30/2013.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

Polycyclic Aromatic Hydrocarbons - 8270C SIM

Sample WW8013-SI13001 (280-45944-1) was analyzed for polycyclic aromatic hydrocarbons (PAHs) in accordance with EPA SW-846 Method 8270C SIM. The sample was prepared on 08/30/2013 and analyzed on 09/09/2013.

The method required MS/MSD could not be performed for prep batch 280-189594, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analyses data.

No other difficulties were encountered during the PAH analysis.

All other quality control parameters were within the acceptance limits.

Explosives - Method 8321A

Sample WW8013-SI13001 (280-45944-1) was analyzed for explosives in accordance with EPA SW-846 Method 8321A. The sample was prepared on 08/30/2013 and analyzed on 09/12/2013.

The method required MS/MSD could not be performed for prep batch 280-189559, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analyses data.

No difficulties were encountered during the 8321A analysis.

All quality control parameters were within the acceptance limits.

Anions

Sample WW8013-SI13001 (280-45944-1) was analyzed for anions (48 hours) in accordance with EPA Method 300.0. The sample was analyzed on 08/27/2013.

Case Narrative

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Job ID: 280-45944-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

No difficulties were encountered during the anions analysis.

All quality control parameters were within the acceptance limits.

Total Organic Halides

Sample WW8013-SI13001 (280-45944-1) was analyzed for total organic halides in accordance with EPA SW846 Method 9020B. The sample was analyzed on 09/13/2013.

Breakthrough exceeded 10%; therefore, a reduced aliquot size was used for the preparation of sample WW8013-SI13001 (280-45944-1). The reporting limit has been elevated accordingly.

The MS/MSD associated with analytical batch 280-191315 was performed on sample WW8013-SI13001 (280-45944-1). The MS/MSD exhibited a spike compound recovery outside the QC control limits for Total Organic Halogens. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other difficulties were encountered during the TOX analysis.

All other quality control parameters were within the acceptance limits.

Total Dissolved Solids

Sample WW8013-SI13001 (280-45944-1) was analyzed for total dissolved solids in accordance with SM20 2540C. The sample was analyzed on 08/29/2013.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

Total Suspended Solids

Sample WW8013-SI13001 (280-45944-1) was analyzed for total suspended solids in accordance with SM20 2540D. The sample was analyzed on 08/28/2013.

No difficulties were encountered during the TSS analysis.

All quality control parameters were within the acceptance limits.

Corrosivity (pH)

Sample WW8013-SI13001 (280-45944-1) was analyzed for corrosivity (pH) in accordance with SM20 4500 H+ B. The sample was analyzed on 08/27/2013.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

Total Organic Carbon

Sample WW8013-SI13001 (280-45944-1) was analyzed for total organic carbon in accordance with SM20 5310B. The sample was analyzed on 09/04/2013.

No difficulties were encountered during the TOC analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Client Sample ID: WW8013-SI13001

Lab Sample ID: 280-45944-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Amino-2,6-dinitrotoluene	0.12		0.099		ug/L	1		8321A	Total/NA
Total Dissolved Solids	550		10		mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	9.2		4.0		mg/L	1		SM 2540D	Total/NA
pH adj. to 25 deg C	8.56	HF	0.100		SU	1		SM 4500 H+ B	Total/NA
Total Organic Carbon - Quad	2.0		1.0		mg/L	1		SM 5310B	Total/NA

Client Sample ID: WW8013-TB-082613

Lab Sample ID: 280-45944-2

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Denver

Method Summary

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL DEN
8321A	Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)	SW846	TAL DEN
300.0	Anions, Ion Chromatography	MCAWW	TAL DEN
9020B	Organic Halides, Total (TOX)	SW846	TAL DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL DEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL DEN
SM 4500 H+ B	pH	SM	TAL DEN
SM 5310B	Organic Carbon, Total (TOC)	SM	TAL DEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-45944-1	WW8013-SI13001	Water	08/26/13 10:45	08/27/13 09:00
280-45944-2	WW8013-TB-082613	Water	08/26/13 10:45	08/27/13 09:00

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Client Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Client Sample ID: WW8013-SI13001

Lab Sample ID: 280-45944-1

Date Collected: 08/26/13 10:45

Matrix: Water

Date Received: 08/27/13 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10		ug/L			08/30/13 05:05	1
Benzene	ND		1.0		ug/L			08/30/13 05:05	1
Bromodichloromethane	ND		1.0		ug/L			08/30/13 05:05	1
Bromoform	ND		1.0		ug/L			08/30/13 05:05	1
Bromomethane	ND		2.0		ug/L			08/30/13 05:05	1
2-Butanone (MEK)	ND		6.0		ug/L			08/30/13 05:05	1
Carbon disulfide	ND		2.0		ug/L			08/30/13 05:05	1
Carbon tetrachloride	ND		1.0		ug/L			08/30/13 05:05	1
Chlorobenzene	ND		1.0		ug/L			08/30/13 05:05	1
Dibromochloromethane	ND		1.0		ug/L			08/30/13 05:05	1
Chloroethane	ND		2.0		ug/L			08/30/13 05:05	1
Chloroform	ND		1.0		ug/L			08/30/13 05:05	1
Chloromethane	ND		2.0		ug/L			08/30/13 05:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/30/13 05:05	1
1,2-Dibromoethane	ND		1.0		ug/L			08/30/13 05:05	1
Dichlorodifluoromethane	ND		2.0		ug/L			08/30/13 05:05	1
1,1-Dichloroethane	ND		1.0		ug/L			08/30/13 05:05	1
1,2-Dichloroethane	ND		1.0		ug/L			08/30/13 05:05	1
1,1-Dichloroethene	ND		1.0		ug/L			08/30/13 05:05	1
1,2-Dichloropropane	ND		1.0		ug/L			08/30/13 05:05	1
Ethylbenzene	ND		1.0		ug/L			08/30/13 05:05	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/30/13 05:05	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/30/13 05:05	1
Methylene Chloride	ND		2.0		ug/L			08/30/13 05:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			08/30/13 05:05	1
Styrene	ND		1.0		ug/L			08/30/13 05:05	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/30/13 05:05	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			08/30/13 05:05	1
1,2-Dichloroethene, Total	ND		1.0		ug/L			08/30/13 05:05	1
Tetrachloroethene	ND		1.0		ug/L			08/30/13 05:05	1
Toluene	ND		1.0		ug/L			08/30/13 05:05	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/30/13 05:05	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/30/13 05:05	1
1,3-Dichloropropane	ND		1.0		ug/L			08/30/13 05:05	1
Trichloroethene	ND		1.0		ug/L			08/30/13 05:05	1
Trichlorofluoromethane	ND		2.0		ug/L			08/30/13 05:05	1
1,2,3-Trichloropropane	ND		2.5		ug/L			08/30/13 05:05	1
Vinyl chloride	ND		1.0		ug/L			08/30/13 05:05	1
Xylenes, Total	ND		2.0		ug/L			08/30/13 05:05	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/30/13 05:05	1
Hexane	ND		2.0		ug/L			08/30/13 05:05	1
Methyl tert-butyl ether	ND		5.0		ug/L			08/30/13 05:05	1
Naphthalene	ND		1.0		ug/L			08/30/13 05:05	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/30/13 05:05	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/30/13 05:05	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/30/13 05:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 127		08/30/13 05:05	1

TestAmerica Denver

Client Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Client Sample ID: WW8013-SI13001

Lab Sample ID: 280-45944-1

Date Collected: 08/26/13 10:45

Matrix: Water

Date Received: 08/27/13 09:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 125		08/30/13 05:05	1
4-Bromofluorobenzene (Surr)	93		78 - 120		08/30/13 05:05	1
Dibromofluoromethane (Surr)	78		77 - 120		08/30/13 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Benzo[a]pyrene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Benzo[a]anthracene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Benzo[k]fluoranthene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Benzo[g,h,i]perylene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Phenanthrene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Anthracene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Dibenz(a,h)anthracene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Chrysene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Acenaphthene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Acenaphthylene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Fluoranthene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Fluorene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Pyrene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Indeno[1,2,3-cd]pyrene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
1-Methylnaphthalene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
2-Methylnaphthalene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Naphthalene	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1
Dibenzofuran	ND		95		ng/L		08/30/13 13:40	09/09/13 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	98		42 - 120	08/30/13 13:40	09/09/13 19:48	1
Nitrobenzene-d5	112		43 - 120	08/30/13 13:40	09/09/13 19:48	1
Terphenyl-d14	98		47 - 120	08/30/13 13:40	09/09/13 19:48	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
1,3-Dinitrobenzene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
2,4,6-Trinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
2,4-Dinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
2,6-Dinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
2-Amino-4,6-dinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
4-Amino-2,6-dinitrotoluene	0.12		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
RDX	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
3-Nitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
Tetryl	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
Nitrobenzene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
2-Nitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
HMX	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
Nitroglycerin	ND		0.14		ug/L		08/30/13 10:10	09/12/13 20:12	1
4-Nitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
PETN	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
3,4-Dinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1

TestAmerica Denver

Client Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Client Sample ID: WW8013-SI13001

Lab Sample ID: 280-45944-1

Date Collected: 08/26/13 10:45

Matrix: Water

Date Received: 08/27/13 09:00

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3-Dinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
3,5-Dinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
2,4,6-Trinitro-3-xylene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
2,5-Dinitrotoluene	ND		0.099		ug/L		08/30/13 10:10	09/12/13 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	98		48 - 130				08/30/13 10:10	09/12/13 20:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.50		mg/L			08/27/13 16:21	1
Total Organic Halogens	ND		60		ug/L			09/13/13 10:32	1
Total Dissolved Solids	550		10		mg/L			08/29/13 08:39	1
Total Suspended Solids	9.2		4.0		mg/L			08/28/13 16:49	1
pH adj. to 25 deg C	8.56	HF	0.100		SU			08/27/13 17:36	1
Total Organic Carbon - Quad	2.0		1.0		mg/L			09/04/13 09:17	1

Client Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Client Sample ID: WW8013-TB-082613

Lab Sample ID: 280-45944-2

Date Collected: 08/26/13 10:45

Matrix: Water

Date Received: 08/27/13 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10		ug/L			08/30/13 05:27	1
Benzene	ND		1.0		ug/L			08/30/13 05:27	1
Bromodichloromethane	ND		1.0		ug/L			08/30/13 05:27	1
Bromoform	ND		1.0		ug/L			08/30/13 05:27	1
Bromomethane	ND		2.0		ug/L			08/30/13 05:27	1
2-Butanone (MEK)	ND		6.0		ug/L			08/30/13 05:27	1
Carbon disulfide	ND		2.0		ug/L			08/30/13 05:27	1
Carbon tetrachloride	ND		1.0		ug/L			08/30/13 05:27	1
Chlorobenzene	ND		1.0		ug/L			08/30/13 05:27	1
Dibromochloromethane	ND		1.0		ug/L			08/30/13 05:27	1
Chloroethane	ND		2.0		ug/L			08/30/13 05:27	1
Chloroform	ND		1.0		ug/L			08/30/13 05:27	1
Chloromethane	ND		2.0		ug/L			08/30/13 05:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/30/13 05:27	1
1,2-Dibromoethane	ND		1.0		ug/L			08/30/13 05:27	1
Dichlorodifluoromethane	ND		2.0		ug/L			08/30/13 05:27	1
1,1-Dichloroethane	ND		1.0		ug/L			08/30/13 05:27	1
1,2-Dichloroethane	ND		1.0		ug/L			08/30/13 05:27	1
1,1-Dichloroethene	ND		1.0		ug/L			08/30/13 05:27	1
1,2-Dichloropropane	ND		1.0		ug/L			08/30/13 05:27	1
Ethylbenzene	ND		1.0		ug/L			08/30/13 05:27	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/30/13 05:27	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/30/13 05:27	1
Methylene Chloride	ND		2.0		ug/L			08/30/13 05:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			08/30/13 05:27	1
Styrene	ND		1.0		ug/L			08/30/13 05:27	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/30/13 05:27	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			08/30/13 05:27	1
1,2-Dichloroethene, Total	ND		1.0		ug/L			08/30/13 05:27	1
Tetrachloroethene	ND		1.0		ug/L			08/30/13 05:27	1
Toluene	ND		1.0		ug/L			08/30/13 05:27	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/30/13 05:27	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/30/13 05:27	1
1,3-Dichloropropane	ND		1.0		ug/L			08/30/13 05:27	1
Trichloroethene	ND		1.0		ug/L			08/30/13 05:27	1
Trichlorofluoromethane	ND		2.0		ug/L			08/30/13 05:27	1
1,2,3-Trichloropropane	ND		2.5		ug/L			08/30/13 05:27	1
Vinyl chloride	ND		1.0		ug/L			08/30/13 05:27	1
Xylenes, Total	ND		2.0		ug/L			08/30/13 05:27	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/30/13 05:27	1
Hexane	ND		2.0		ug/L			08/30/13 05:27	1
Methyl tert-butyl ether	ND		5.0		ug/L			08/30/13 05:27	1
Naphthalene	ND		1.0		ug/L			08/30/13 05:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/30/13 05:27	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/30/13 05:27	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/30/13 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 127		08/30/13 05:27	1

TestAmerica Denver

Client Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

Client Sample ID: WW8013-TB-082613

Lab Sample ID: 280-45944-2

Date Collected: 08/26/13 10:45

Matrix: Water

Date Received: 08/27/13 09:00

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	108		80 - 125		08/30/13 05:27	1
<i>4-Bromofluorobenzene (Surr)</i>	99		78 - 120		08/30/13 05:27	1
<i>Dibromofluoromethane (Surr)</i>	82		77 - 120		08/30/13 05:27	1

Surrogate Summary

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (70-127)	TOL (80-125)	BFB (78-120)	DBFM (77-120)
280-45903-C-2 MS	Matrix Spike	101	109	100	86
280-45903-C-2 MSD	Matrix Spike Duplicate	96	102	93	78
280-45944-1	WW8013-SI13001	89	99	93	78
280-45944-2	WW8013-TB-082613	97	108	99	82
LCS 280-189487/4	Lab Control Sample	100	100	94	82
MB 280-189487/6	Method Blank	107	106	99	88

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (42-120)	NBZ (43-120)	TPH (47-120)
280-45944-1	WW8013-SI13001	98	112	98
LCS 280-189594/2-A	Lab Control Sample	75	112	97
LCS 280-189594/3-A	Lab Control Sample Dup	82	110	96
MB 280-189594/1-A	Method Blank	56	100	93

Surrogate Legend

FBP = 2-Fluorobiphenyl
 NBZ = Nitrobenzene-d5
 TPH = Terphenyl-d14

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		NBZ (48-130)
280-45944-1	WW8013-SI13001	98
LCS 280-189559/2-A	Lab Control Sample	98
LCS 280-189559/3-A	Lab Control Sample Dup	98
MB 280-189559/1-A	Method Blank	92

Surrogate Legend

NBZ = Nitrobenzene-d5

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-189487/6

Matrix: Water

Analysis Batch: 189487

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10		ug/L			08/29/13 22:13	1
Benzene	ND		1.0		ug/L			08/29/13 22:13	1
Bromodichloromethane	ND		1.0		ug/L			08/29/13 22:13	1
Bromoform	ND		1.0		ug/L			08/29/13 22:13	1
Bromomethane	ND		2.0		ug/L			08/29/13 22:13	1
2-Butanone (MEK)	ND		6.0		ug/L			08/29/13 22:13	1
Carbon disulfide	ND		2.0		ug/L			08/29/13 22:13	1
Carbon tetrachloride	ND		1.0		ug/L			08/29/13 22:13	1
Chlorobenzene	ND		1.0		ug/L			08/29/13 22:13	1
Dibromochloromethane	ND		1.0		ug/L			08/29/13 22:13	1
Chloroethane	ND		2.0		ug/L			08/29/13 22:13	1
Chloroform	ND		1.0		ug/L			08/29/13 22:13	1
Chloromethane	ND		2.0		ug/L			08/29/13 22:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/29/13 22:13	1
1,2-Dibromoethane	ND		1.0		ug/L			08/29/13 22:13	1
Dichlorodifluoromethane	ND		2.0		ug/L			08/29/13 22:13	1
1,1-Dichloroethane	ND		1.0		ug/L			08/29/13 22:13	1
1,2-Dichloroethane	ND		1.0		ug/L			08/29/13 22:13	1
1,1-Dichloroethene	ND		1.0		ug/L			08/29/13 22:13	1
1,2-Dichloropropane	ND		1.0		ug/L			08/29/13 22:13	1
Ethylbenzene	ND		1.0		ug/L			08/29/13 22:13	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/29/13 22:13	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/29/13 22:13	1
Methylene Chloride	ND		2.0		ug/L			08/29/13 22:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			08/29/13 22:13	1
Styrene	ND		1.0		ug/L			08/29/13 22:13	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/29/13 22:13	1
1,1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			08/29/13 22:13	1
1,2-Dichloroethene, Total	ND		1.0		ug/L			08/29/13 22:13	1
Tetrachloroethene	ND		1.0		ug/L			08/29/13 22:13	1
Toluene	ND		1.0		ug/L			08/29/13 22:13	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/29/13 22:13	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/29/13 22:13	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/13 22:13	1
Trichloroethene	ND		1.0		ug/L			08/29/13 22:13	1
Trichlorofluoromethane	ND		2.0		ug/L			08/29/13 22:13	1
1,2,3-Trichloropropane	ND		2.5		ug/L			08/29/13 22:13	1
Vinyl chloride	ND		1.0		ug/L			08/29/13 22:13	1
Xylenes, Total	ND		2.0		ug/L			08/29/13 22:13	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/29/13 22:13	1
Hexane	ND		2.0		ug/L			08/29/13 22:13	1
Methyl tert-butyl ether	ND		5.0		ug/L			08/29/13 22:13	1
Naphthalene	ND		1.0		ug/L			08/29/13 22:13	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/13 22:13	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/29/13 22:13	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/29/13 22:13	1

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

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

Lab Sample ID: MB 280-189487/6

Matrix: Water

Analysis Batch: 189487

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	107		70 - 127		08/29/13 22:13	1
Toluene-d8 (Surr)	106		80 - 125		08/29/13 22:13	1
4-Bromofluorobenzene (Surr)	99		78 - 120		08/29/13 22:13	1
Dibromofluoromethane (Surr)	88		77 - 120		08/29/13 22:13	1

Lab Sample ID: LCS 280-189487/4

Matrix: Water

Analysis Batch: 189487

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	5.00	4.92		ug/L		98	73 - 135
Carbon tetrachloride	5.00	5.33		ug/L		107	67 - 135
Chlorobenzene	5.00	4.64		ug/L		93	76 - 135
Chloroform	5.00	5.14		ug/L		103	76 - 120
1,1-Dichloroethane	5.00	4.97		ug/L		99	75 - 135
1,1-Dichloroethene	5.00	4.92		ug/L		98	71 - 136
1,2-Dichloropropane	5.00	4.74		ug/L		95	71 - 120
Ethylbenzene	5.00	4.80		ug/L		96	72 - 120
Methylene Chloride	5.00	5.08		ug/L		102	54 - 141
Tetrachloroethene	5.00	4.99		ug/L		100	70 - 135
Toluene	5.00	4.86		ug/L		97	73 - 120
1,1,1-Trichloroethane	5.00	5.21		ug/L		104	70 - 135
Trichloroethene	5.00	4.92		ug/L		98	73 - 135
1,3-Dichlorobenzene	5.00	4.72		ug/L		94	74 - 135

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	82		77 - 120

Lab Sample ID: 280-45903-C-2 MS

Matrix: Water

Analysis Batch: 189487

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	ND		5.00	5.11		ug/L		102	73 - 135
Carbon tetrachloride	ND		5.00	5.12		ug/L		102	67 - 135
Chlorobenzene	ND		5.00	5.06		ug/L		101	76 - 135
Chloroform	ND		5.00	5.40		ug/L		108	76 - 120
1,1-Dichloroethane	ND		5.00	5.33		ug/L		107	75 - 135
1,1-Dichloroethene	ND		5.00	5.24		ug/L		105	71 - 136
1,2-Dichloropropane	ND		5.00	4.93		ug/L		99	71 - 120
Ethylbenzene	ND		5.00	5.20		ug/L		104	72 - 120
Methylene Chloride	ND		5.00	4.61		ug/L		92	54 - 141
Tetrachloroethene	ND		5.00	5.38		ug/L		108	70 - 135

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

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

Lab Sample ID: 280-45903-C-2 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 189487

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Toluene	ND		5.00	5.12		ug/L		102	73 - 120
1,1,1-Trichloroethane	ND		5.00	5.43		ug/L		109	70 - 135
Trichloroethene	ND		5.00	5.04		ug/L		101	73 - 135
1,3-Dichlorobenzene	ND		5.00	5.04		ug/L		101	74 - 135

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		70 - 127
Toluene-d8 (Surr)	109		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	86		77 - 120

Lab Sample ID: 280-45903-C-2 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 189487

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Benzene	ND		5.00	4.77		ug/L		95	74 - 135	16	20
Bromodichloromethane	ND		5.00	4.70		ug/L		94	73 - 135	8	20
Carbon tetrachloride	ND		5.00	4.63		ug/L		93	67 - 135	10	21
Chlorobenzene	ND		5.00	4.58		ug/L		92	76 - 135	10	20
Chloroform	ND		5.00	5.02		ug/L		100	76 - 120	7	20
1,1-Dichloroethane	ND		5.00	4.97		ug/L		99	75 - 135	7	21
1,1-Dichloroethene	ND		5.00	4.68		ug/L		94	71 - 136	11	20
1,2-Dichloropropane	ND		5.00	4.75		ug/L		95	71 - 120	4	20
Ethylbenzene	ND		5.00	4.81		ug/L		96	72 - 120	8	26
Methylene Chloride	ND		5.00	4.23		ug/L		85	54 - 141	9	20
Tetrachloroethene	ND		5.00	4.87		ug/L		97	70 - 135	10	20
Toluene	ND		5.00	4.66		ug/L		93	73 - 120	9	20
1,1,1-Trichloroethane	ND		5.00	4.89		ug/L		98	70 - 135	10	20
Trichloroethene	ND		5.00	4.57		ug/L		91	73 - 135	10	20
1,3-Dichlorobenzene	ND		5.00	4.61		ug/L		92	74 - 135	9	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		70 - 127
Toluene-d8 (Surr)	102		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	78		77 - 120

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

Lab Sample ID: MB 280-189594/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 190534

Prep Batch: 189594

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[b]fluoranthene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Benzo[a]pyrene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

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

Lab Sample ID: MB 280-189594/1-A

Matrix: Water

Analysis Batch: 190534

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 189594

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[a]anthracene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Benzo[k]fluoranthene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Benzo[g,h,i]perylene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Phenanthrene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Anthracene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Dibenz(a,h)anthracene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Chrysene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Acenaphthene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Acenaphthylene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Fluoranthene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Fluorene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Pyrene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Indeno[1,2,3-cd]pyrene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
1-Methylnaphthalene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
2-Methylnaphthalene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Naphthalene	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1
Dibenzofuran	ND		100		ng/L		08/30/13 13:40	09/09/13 17:05	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	56		42 - 120	08/30/13 13:40	09/09/13 17:05	1
Nitrobenzene-d5	100		43 - 120	08/30/13 13:40	09/09/13 17:05	1
Terphenyl-d14	93		47 - 120	08/30/13 13:40	09/09/13 17:05	1

Lab Sample ID: LCS 280-189594/2-A

Matrix: Water

Analysis Batch: 190534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 189594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	900	748		ng/L		83	38 - 120
Benzo[a]anthracene	900	891		ng/L		99	42 - 120
Benzo[k]fluoranthene	900	824		ng/L		92	43 - 120
Benzo[g,h,i]perylene	900	598		ng/L		66	39 - 120
Phenanthrene	900	728		ng/L		81	46 - 120
Anthracene	900	663		ng/L		74	28 - 120
Dibenz(a,h)anthracene	900	635		ng/L		71	27 - 126
Chrysene	900	963		ng/L		107	35 - 120
Acenaphthene	900	657		ng/L		73	47 - 120
Acenaphthylene	900	669		ng/L		74	39 - 120
Fluoranthene	900	777		ng/L		86	46 - 120
Fluorene	900	766		ng/L		85	49 - 120
Pyrene	900	840		ng/L		93	49 - 120
Indeno[1,2,3-cd]pyrene	900	626		ng/L		70	38 - 120
Naphthalene	900	492		ng/L		55	37 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	75		42 - 120

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

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

Lab Sample ID: LCS 280-189594/2-A

Matrix: Water

Analysis Batch: 190534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 189594

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	112		43 - 120
Terphenyl-d14	97		47 - 120

Lab Sample ID: LCSD 280-189594/3-A

Matrix: Water

Analysis Batch: 190534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 189594

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Benzo[b]fluoranthene	900	839		ng/L		93	44 - 120	1	28	
Benzo[a]pyrene	900	778		ng/L		86	38 - 120	4	21	
Benzo[a]anthracene	900	884		ng/L		98	42 - 120	1	40	
Benzo[k]fluoranthene	900	842		ng/L		94	43 - 120	2	28	
Benzo[g,h,i]perylene	900	620		ng/L		69	39 - 120	4	23	
Phenanthrene	900	712		ng/L		79	46 - 120	2	42	
Anthracene	900	648		ng/L		72	28 - 120	2	50	
Dibenz(a,h)anthracene	900	662		ng/L		74	27 - 126	4	25	
Chrysene	900	960		ng/L		107	35 - 120	0	41	
Acenaphthene	900	635		ng/L		71	47 - 120	3	50	
Acenaphthylene	900	646		ng/L		72	39 - 120	4	50	
Fluoranthene	900	768		ng/L		85	46 - 120	1	24	
Fluorene	900	727		ng/L		81	49 - 120	5	50	
Pyrene	900	825		ng/L		92	49 - 120	2	22	
Indeno[1,2,3-cd]pyrene	900	644		ng/L		72	38 - 120	3	25	
Naphthalene	900	502		ng/L		56	37 - 120	2	50	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	82		42 - 120
Nitrobenzene-d5	110		43 - 120
Terphenyl-d14	96		47 - 120

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Lab Sample ID: MB 280-189559/1-A

Matrix: Water

Analysis Batch: 191096

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 189559

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3,5-Trinitrobenzene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
1,3-Dinitrobenzene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2,4,6-Trinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2,4-Dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2,6-Dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2-Amino-4,6-dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
4-Amino-2,6-dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
RDX	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
3-Nitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
Tetryl	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: MB 280-189559/1-A
Matrix: Water
Analysis Batch: 191096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 189559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2-Nitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
HMX	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
Nitroglycerin	ND		0.14		ug/L		08/30/13 10:10	09/12/13 19:15	1
4-Nitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
PETN	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
3,4-Dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2,3-Dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
3,5-Dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2,4,6-Trinitro-3-xylene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1
2,5-Dinitrotoluene	ND		0.10		ug/L		08/30/13 10:10	09/12/13 19:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	92		48 - 130	08/30/13 10:10	09/12/13 19:15	1

Lab Sample ID: LCS 280-189559/2-A
Matrix: Water
Analysis Batch: 191096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 189559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	0.500	0.449		ug/L		90	54 - 145
1,3-Dinitrobenzene	0.500	0.524		ug/L		105	68 - 131
2,4,6-Trinitrotoluene	0.500	0.252		ug/L		50	20 - 147
2,4-Dinitrotoluene	0.500	0.447		ug/L		89	66 - 130
2,6-Dinitrotoluene	0.500	0.525		ug/L		105	64 - 133
2-Amino-4,6-dinitrotoluene	0.500	0.474		ug/L		95	64 - 138
4-Amino-2,6-dinitrotoluene	0.500	0.570		ug/L		114	65 - 131
RDX	0.500	0.516		ug/L		103	72 - 130
3-Nitrotoluene	0.500	0.456		ug/L		91	36 - 133
Tetryl	0.500	0.190		ug/L		38	15 - 134
Nitrobenzene	0.500	0.557		ug/L		111	42 - 141
2-Nitrotoluene	0.500	0.463		ug/L		93	34 - 131
HMX	0.500	0.460		ug/L		92	56 - 134
Nitroglycerin	0.500	0.491		ug/L		98	37 - 147
4-Nitrotoluene	0.500	0.443		ug/L		89	40 - 137
PETN	0.500	0.440		ug/L		88	10 - 198
3,4-Dinitrotoluene	0.501	0.475		ug/L		95	50 - 150
2,3-Dinitrotoluene	0.501	0.615		ug/L		123	50 - 150
3,5-Dinitrotoluene	0.500	0.456		ug/L		91	50 - 150
2,4,6-Trinitro-3-xylene	0.500	0.450		ug/L		90	50 - 150
2,5-Dinitrotoluene	0.503	0.455		ug/L		90	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	98		48 - 130

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: LCSD 280-189559/3-A
Matrix: Water
Analysis Batch: 191096

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 189559

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	0.500	0.506		ug/L		101	54 - 145	12	57
1,3-Dinitrobenzene	0.500	0.506		ug/L		101	68 - 131	3	39
2,4,6-Trinitrotoluene	0.500	0.247		ug/L		49	20 - 147	2	68
2,4-Dinitrotoluene	0.500	0.438		ug/L		88	66 - 130	2	46
2,6-Dinitrotoluene	0.500	0.529		ug/L		106	64 - 133	1	44
2-Amino-4,6-dinitrotoluene	0.500	0.492		ug/L		98	64 - 138	4	41
4-Amino-2,6-dinitrotoluene	0.500	0.523		ug/L		105	65 - 131	9	36
RDX	0.500	0.515		ug/L		103	72 - 130	0	25
3-Nitrotoluene	0.500	0.573		ug/L		115	36 - 133	23	89
Tetryl	0.500	0.181		ug/L		36	15 - 134	5	51
Nitrobenzene	0.500	0.532		ug/L		106	42 - 141	5	58
2-Nitrotoluene	0.500	0.492		ug/L		98	34 - 131	6	68
HMX	0.500	0.459		ug/L		92	56 - 134	0	34
Nitroglycerin	0.500	0.590		ug/L		118	37 - 147	18	71
4-Nitrotoluene	0.500	0.509		ug/L		102	40 - 137	14	72
PETN	0.500	0.462		ug/L		92	10 - 198	5	50
3,4-Dinitrotoluene	0.501	0.462		ug/L		92	50 - 150	3	30
2,3-Dinitrotoluene	0.501	0.499		ug/L		100	50 - 150	21	30
3,5-Dinitrotoluene	0.500	0.531		ug/L		106	50 - 150	15	30
2,4,6-Trinitro-3-xylene	0.500	0.571		ug/L		114	50 - 150	24	30
2,5-Dinitrotoluene	0.503	0.513		ug/L		102	50 - 150	12	50

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5	98		48 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-189226/14
Matrix: Water
Analysis Batch: 189226

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.50		mg/L			08/27/13 12:31	1

Lab Sample ID: LCS 280-189226/12
Matrix: Water
Analysis Batch: 189226

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	5.00	4.88		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-189226/13
Matrix: Water
Analysis Batch: 189226

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	5.00	4.87		mg/L		97	90 - 110	0	10

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 280-189226/11 MRL
Matrix: Water
Analysis Batch: 189226

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.200	ND		mg/L		116	50 - 150

Lab Sample ID: 280-45933-C-6 MS
Matrix: Water
Analysis Batch: 189226

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	1.7		5.00	7.09		mg/L		107	80 - 120

Lab Sample ID: 280-45933-C-6 MSD
Matrix: Water
Analysis Batch: 189226

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	1.7		5.00	7.10		mg/L		107	80 - 120	0	20

Lab Sample ID: 280-45933-C-6 DU
Matrix: Water
Analysis Batch: 189226

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	1.7		5.00	1.72		mg/L		107	80 - 120	0.3	15

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 280-191315/2
Matrix: Water
Analysis Batch: 191315

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halogens	ND		30		ug/L			09/13/13 10:32	1

Lab Sample ID: LCS 280-191315/4
Matrix: Water
Analysis Batch: 191315

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halogens	100	101		ug/L		101	78 - 114

Lab Sample ID: LCSD 280-191315/5
Matrix: Water
Analysis Batch: 191315

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halogens	100	93.1		ug/L		93	78 - 114	8	23

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: 9020B - Organic Halides, Total (TOX) (Continued)

Lab Sample ID: 280-45944-1 MS
 Matrix: Water
 Analysis Batch: 191315

Client Sample ID: WW8013-SI13001
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halogens	ND		100	83.1		ug/L		83	78 - 114

Lab Sample ID: 280-45944-1 MSD
 Matrix: Water
 Analysis Batch: 191315

Client Sample ID: WW8013-SI13001
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halogens	ND		100	72.6	F	ug/L		73	78 - 114	13	23

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-189341/1
 Matrix: Water
 Analysis Batch: 189341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			08/29/13 08:39	1

Lab Sample ID: LCS 280-189341/2
 Matrix: Water
 Analysis Batch: 189341

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	436		mg/L		87	86 - 110

Lab Sample ID: LCSD 280-189341/3
 Matrix: Water
 Analysis Batch: 189341

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	500	461		mg/L		92	86 - 110	6	20

Lab Sample ID: 280-45944-1 DU
 Matrix: Water
 Analysis Batch: 189341

Client Sample ID: WW8013-SI13001
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	550		553		mg/L		0.4	10

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 280-189301/3
 Matrix: Water
 Analysis Batch: 189301

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			08/28/13 16:49	1

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCS 280-189301/1
Matrix: Water
Analysis Batch: 189301

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	102		mg/L		102	86 - 114

Lab Sample ID: LCSD 280-189301/2
Matrix: Water
Analysis Batch: 189301

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Suspended Solids	100	93.0		mg/L		93	86 - 114	9	20

Lab Sample ID: 280-45944-1 DU
Matrix: Water
Analysis Batch: 189301

Client Sample ID: WW8013-SI13001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	9.2		8.40		mg/L		9	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-189103/4
Matrix: Water
Analysis Batch: 189103

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH adj. to 25 deg C	7.00	7.000		SU		100	99 - 101

Lab Sample ID: LCSD 280-189103/5
Matrix: Water
Analysis Batch: 189103

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
pH adj. to 25 deg C	7.00	7.000		SU		100	99 - 101	0	5

Lab Sample ID: 280-45944-1 DU
Matrix: Water
Analysis Batch: 189103

Client Sample ID: WW8013-SI13001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH adj. to 25 deg C	8.56	HF	8.570		SU		0.1	5

Method: SM 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 280-189997/37
Matrix: Water
Analysis Batch: 189997

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Quad	ND		1.0		mg/L			09/04/13 04:35	1

TestAmerica Denver

QC Sample Results

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 280-189997/35
Matrix: Water
Analysis Batch: 189997

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
TOC Result 1	25.0	24.2		mg/L		97	88 - 112
TOC Result 2	25.0	24.2		mg/L		97	88 - 112
TOC Result 3	25.0	23.8		mg/L		95	88 - 112
TOC Result 4	25.0	23.7		mg/L		95	88 - 112
Total Organic Carbon - Quad	25.0	24.0		mg/L		96	88 - 112

Lab Sample ID: LCSD 280-189997/36
Matrix: Water
Analysis Batch: 189997

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TOC Result 1	25.0	24.2		mg/L		97	88 - 112	0	15
TOC Result 2	25.0	24.3		mg/L		97	88 - 112	1	15
TOC Result 3	25.0	24.2		mg/L		97	88 - 112	1	15
TOC Result 4	25.0	23.6		mg/L		94	88 - 112	1	15
Total Organic Carbon - Quad	25.0	24.1		mg/L		96	88 - 112	0	15

Lab Sample ID: 280-45944-1 MS
Matrix: Water
Analysis Batch: 189997

Client Sample ID: WW8013-S113001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
TOC Result 1	2.0		20.0	21.4		mg/L		97	88 - 112
TOC Result 2	1.9		20.0	21.6		mg/L		98	88 - 112
TOC Result 3	2.0		20.0	21.2		mg/L		96	88 - 112
TOC Result 4	2.0		20.0	21.2		mg/L		96	88 - 112
Total Organic Carbon - Quad	2.0		20.0	21.4		mg/L		97	88 - 112

Lab Sample ID: 280-45944-1 MSD
Matrix: Water
Analysis Batch: 189997

Client Sample ID: WW8013-S113001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TOC Result 1	2.0		20.0	21.7		mg/L		98	88 - 112	1	15
TOC Result 2	1.9		20.0	21.4		mg/L		98	88 - 112	1	15
TOC Result 3	2.0		20.0	21.3		mg/L		96	88 - 112	0	15
TOC Result 4	2.0		20.0	21.5		mg/L		97	88 - 112	1	15
Total Organic Carbon - Quad	2.0		20.0	21.4		mg/L		97	88 - 112	0	15

QC Association Summary

Client: E.I. du Pont de Nemours and Company ADQM
Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
SDG: 280-45944-1

GC/MS VOA

Analysis Batch: 189487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45903-C-2 MS	Matrix Spike	Total/NA	Water	8260B	
280-45903-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
280-45944-1	WW8013-SI13001	Total/NA	Water	8260B	
280-45944-2	WW8013-TB-082613	Total/NA	Water	8260B	
LCS 280-189487/4	Lab Control Sample	Total/NA	Water	8260B	
MB 280-189487/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 189594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	3510C	
LCS 280-189594/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-189594/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 280-189594/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 190534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	8270C SIM	189594
LCS 280-189594/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	189594
LCSD 280-189594/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	189594
MB 280-189594/1-A	Method Blank	Total/NA	Water	8270C SIM	189594

LCMS

Prep Batch: 189559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	3535	
LCS 280-189559/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 280-189559/3-A	Lab Control Sample Dup	Total/NA	Water	3535	
MB 280-189559/1-A	Method Blank	Total/NA	Water	3535	

Analysis Batch: 191096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	8321A	189559
LCS 280-189559/2-A	Lab Control Sample	Total/NA	Water	8321A	189559
LCSD 280-189559/3-A	Lab Control Sample Dup	Total/NA	Water	8321A	189559
MB 280-189559/1-A	Method Blank	Total/NA	Water	8321A	189559

General Chemistry

Analysis Batch: 189103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	SM 4500 H+ B	
280-45944-1 DU	WW8013-SI13001	Total/NA	Water	SM 4500 H+ B	
LCS 280-189103/4	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 280-189103/5	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	

QC Association Summary

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

General Chemistry (Continued)

Analysis Batch: 189226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45933-C-6 DU	Duplicate	Total/NA	Water	300.0	
280-45933-C-6 MS	Matrix Spike	Total/NA	Water	300.0	
280-45933-C-6 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
280-45944-1	WW8013-SI13001	Total/NA	Water	300.0	
LCS 280-189226/12	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-189226/13	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 280-189226/14	Method Blank	Total/NA	Water	300.0	
MRL 280-189226/11 MRL	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 189301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	SM 2540D	
280-45944-1 DU	WW8013-SI13001	Total/NA	Water	SM 2540D	
LCS 280-189301/1	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 280-189301/2	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
MB 280-189301/3	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 189341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	SM 2540C	
280-45944-1 DU	WW8013-SI13001	Total/NA	Water	SM 2540C	
LCS 280-189341/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-189341/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
MB 280-189341/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 189997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	SM 5310B	
280-45944-1 MS	WW8013-SI13001	Total/NA	Water	SM 5310B	
280-45944-1 MSD	WW8013-SI13001	Total/NA	Water	SM 5310B	
LCS 280-189997/35	Lab Control Sample	Total/NA	Water	SM 5310B	
LCSD 280-189997/36	Lab Control Sample Dup	Total/NA	Water	SM 5310B	
MB 280-189997/37	Method Blank	Total/NA	Water	SM 5310B	

Analysis Batch: 191315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-45944-1	WW8013-SI13001	Total/NA	Water	9020B	
280-45944-1 MS	WW8013-SI13001	Total/NA	Water	9020B	
280-45944-1 MSD	WW8013-SI13001	Total/NA	Water	9020B	
LCS 280-191315/4	Lab Control Sample	Total/NA	Water	9020B	
LCSD 280-191315/5	Lab Control Sample Dup	Total/NA	Water	9020B	
MB 280-191315/2	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Client Sample ID: WW8013-SI13001

Lab Sample ID: 280-45944-1

Date Collected: 08/26/13 10:45

Matrix: Water

Date Received: 08/27/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	189487	08/30/13 05:05	LWT	TAL DEN
Total/NA	Prep	3510C			1050.9 mL	1000 uL	189594	08/30/13 13:40	NRC	TAL DEN
Total/NA	Analysis	8270C SIM		1			190534	09/09/13 19:48	KGV	TAL DEN
Total/NA	Prep	3535			1006.2 mL	5 mL	189559	08/30/13 10:10	ACF	TAL DEN
Total/NA	Analysis	8321A		1			191096	09/12/13 20:12	AGCM	TAL DEN
Total/NA	Analysis	SM 4500 H+ B		1			189103	08/27/13 17:36	AJS	TAL DEN
Total/NA	Analysis	300.0		1			189226	08/27/13 16:21	EMK	TAL DEN
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	189301	08/28/13 16:49	MW1	TAL DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	189341	08/29/13 08:39	SMG	TAL DEN
Total/NA	Analysis	SM 5310B		1			189997	09/04/13 09:17	DFB	TAL DEN
Total/NA	Analysis	9020B		1	50 mL	100 mL	191315	09/13/13 10:32	AJA	TAL DEN

Client Sample ID: WW8013-TB-082613

Lab Sample ID: 280-45944-2

Date Collected: 08/26/13 10:45

Matrix: Water

Date Received: 08/27/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	189487	08/30/13 05:27	LWT	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Certification Summary

Client: E.I. du Pont de Nemours and Company ADQM
 Project/Site: BAR-Wastewater Sampling 08/13

TestAmerica Job ID: 280-45944-1
 SDG: 280-45944-1

Laboratory: TestAmerica Denver

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-13
A2LA	ISO/IEC 17025		2907.01	10-31-13
Alabama	State Program	4	40730	09-30-13 *
Alaska (UST)	State Program	10	UST-30	04-05-14
Arizona	State Program	9	AZ0713	12-19-13
Arkansas DEQ	State Program	6	88-0687	09-01-13 *
California	ELAP	9	2513	08-31-14 *
Colorado	State Program	8	N/A	09-30-13
Connecticut	State Program	1	PH-0686	09-30-14
Florida	NELAP	4	E87667	06-30-14
Idaho	State Program	10	CO00026	09-30-13
Illinois	NELAP	5	200017	04-30-14
Iowa	State Program	7	370	12-01-14
Kansas	NELAP	7	E-10166	04-30-14
Louisiana	NELAP	6	30785	06-30-14 *
Maine	State Program	1	CO0002	03-03-15
Maryland	State Program	3	268	03-31-14
Minnesota	NELAP	5	8-999-405	12-31-13
Nevada	State Program	9	CO0026	09-01-14
New Hampshire	NELAP	1	205310	04-28-14
New Jersey	NELAP	2	CO004	06-30-14
New Mexico	State Program	6	CO00026	06-30-14 *
New York	NELAP	2	11964	04-01-14
North Carolina DENR	State Program	4	358	12-31-13
North Dakota	State Program	8	R-034	06-30-14 *
Oklahoma	State Program	6	8614	08-31-14
Oregon	NELAP	10	CO200001	01-16-14
Pennsylvania	NELAP	3	68-00664	07-30-14
South Carolina	State Program	4	72002	06-30-14 *
Tennessee	State Program	4	TN02944	09-30-13
Texas	NELAP	6	T104704183-08-TX	09-30-13
USDA	Federal		P330-13-00202	07-02-16
Utah	NELAP	8	CO000262012-4	07-31-14
Virginia	NELAP	3	460232	06-14-14
Washington	State Program	10	C583	09-01-13 *
West Virginia DEP	State Program	3	354	11-30-13
Wisconsin	State Program	5	999615430	08-31-13 *
Wyoming (UST)	A2LA	8		10-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Denver

4955 Yarrow Street
 Arvada, CO 80002
 Phone (303) 736-0100 Fax (303) 431-7171



280-45944 Chain of Custody

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Ms. Sharon Nordstrom Company: E.I. du Pont de Nemours and Company		Sampler: <i>Nick Shorkey</i> Phone:		Lab PM: Johnston, Michelle E-Mail: michelle.johnston@testamericainc.com		Carrier Tracking No(s): <i>8028 1819 5891</i>		COC No: Page: Page 1 of 1 Job #:					
Address: C/O URS Iron Hill Corp. Center 4051 Ogletown Road, Suite 300 City: Newark State, Zip: DE, 19713 Phone: 302-781-5900(Tel) Email: Sharon_Nordstrom@URSCorp.com		Due Date Requested: TAT Requested (days): PO #: LBIO-66421/9267-7720100C-WH06-507888 WO #:		Analysis Requested						Preservation Codes: A - HCl M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)			
Project Name: BAR-Wastewater Sampling 08/13 Site: <i>Form 1 V DuPont Barksdale Works</i>		Project #: 28003388 SSOW#:		Field Filtered Sample (Yes or No) Field Filtered Sample (Yes or No) Field Filtered Sample (Yes or No)		8321A (DuPont List + DNTs + TNX) 8270C SIM (PAHs) 8280B Wisconsin List		Total Number of Containers					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	TOC	TOX	TSS	TDS	Nitrate	pH	Special Instructions/Note:	
WW8013-SI13001		8/26/13	1045	G	Water	X	X	X	X	X	X	Please change formatter to 1c	
WW8013-TB-082613		8/26/13	1045	G	Water		X						
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months											
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:											
Empty Kit Relinquished by: <i>Sharon Nordstrom</i>		Date: 8/15/13	Time: 1145	Method of Shipment: Fed-Ex Express overnight									
Relinquished by: <i>Nick Shorkey</i>		Date/Time: 8/26/13	Company: URS	Received by: <i>Nick Shorkey</i>		Date/Time: 8/20/13	Company: JRS	Received by: <i>Tranname O'torney</i>		Date/Time: 8/27/13 0900	Company: TR		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>2.5 IR 8/27/13 AB</i>									



Login Sample Receipt Checklist

Client: E.I. du Pont de Nemours and Company ADQM

Job Number: 280-45944-1

SDG Number: 280-45944-1

Login Number: 45944

List Number: 1

Creator: O'Tormey, Stephanie R

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



APPENDIX D

(SEE ATTACHED CD)

BIODEGRADATION EVALUATION LAB DATA - ECCS REPORTS

**2613 Barksdale Revised Final Report P133601 031314 1436
(August Bioremediation Pilot Test Samples)**

**2613 Barksdale Final Report P132501 070913
(June Bioremediation Pilot Test Samples)**

**A133816 Final 101813 0854
(September Bioremediation Pilot Test samples - C20)**



ECCS On-Site Laboratory Case Narrative

Report Date	09/27/2013 (Revised 03/13/2014)
Client	URS Corporation
Site/ Project Name	DuPont Barksdale Explosives Plant
Location	Barksdale, WI
Dates of Service	9/05/13 to 9/13/13
ECCS Test Method Reference	LAM-032: 8270 Explosives
ECCS Project Number	2613
Client Project or PO Number	LBIO-66526

1. Introduction

ECCS was on-site at the referenced site to provide analytical chemistry support in site research and remediation activities. The research involves the use of experimental bioremediation plots to lower concentrations of explosives in soil. The target analytes for the project included 28 nitro aromatic compounds. These compounds included nitrobenzene, nitro-toluenes, dinitro-benzenes, dinitro-toluenes, dinitro-amines, trinitro-benzene, trinitro-toluene (TNT), dinitro-xylenes (DNX), and trinitro-xylene. The laboratory analyzed 93 soil samples while on-site. The ECCS Lead Chemist was Christopher Sauer and the ECCS project manager was Michael Linskens.

2. ECCS Method Summary

- All samples were analyzed for target explosives by Method 8270. Samples were collected by the client and provided to the laboratory in 4-oz jars. The samples had been stored frozen until the arrival of the mobile laboratory. Samples were received with chain of custody documentation, except where noted in section 4, and logged in to the laboratory information management system (LIMS). The LIMS assigned unique laboratory identification numbers to samples for tracking purposes. The content of 4-oz jar was air-dried in a separate sample preparation trailer. The soil sample was evenly spread out on a single-use, disposable plastic plate and allowed to air dry overnight. The air-dried sample was ground in a porcelain mortar and pestle and passed through a 600 um sieve. The sieved soil was recollected on the plate and returned to the 4oz jar. The sieved, air-dried soil sample was then carried to the instrumentation trailer for analysis. A subsample of the air-dried soil sample was extracted for nitro-aromatics using EPA Method 3570. A separate subsample of the soil was measured for % solids determination. GC/MS analysis was performed with an Agilent 5890 gas chromatograph (GC) and an Agilent 5972 mass selective detector (MSD) operated in the selective ion monitoring (SIM) mode. The GC/MSD data system was Agilent MSD Productivity Chemstation (G1701BA) using the Enviroqaunt data analysis option. The reporting limit for each of the target nitro-aromatic compounds was 200 ug/kg on a wet weight basis. The reporting limit for individual samples was adjusted for moisture content.



3. Quality Control Summary

Instrument Tuning	Instrument tuning was verified every twelve hours using decafluorotriphenylphosphine (DFTPP). All tuning criteria were acceptable.
Initial Calibration	An initial calibration using 7 points was performed. A single point calibration was used for 1,3,5-trinitro-2,4-dimethylbenzene. The calibration was verified using a single point second source standard. All method calibration criteria were acceptable.
Continuing Calibration	The instrument calibration was verified at the beginning and end of each analysis day and after every 10 samples analyzed. Two concentrations (high and low) of continuing calibration standard were analyzed at this frequency. The method criteria were acceptable for the vast majority of analyses. A low bias was infrequently observed for 1,3,5-TNB and any affected sample data was qualified.
Method Blanks	The laboratory method blanks that were analyzed each day were free of contamination. Additional sand blanks were analyzed that were air-dried, sieved and processed through the entire sample preparation procedure. All of these preparation sand blanks were also free of contamination.
Laboratory Control Samples	The recoveries for the constituents of concern were acceptable.
MS/MSD Samples	MS/MSD samples frequently contained high levels of TNT, DNX or 1,3,5-TNX requiring further dilution. The calculation method for determining recovery often made it impossible to accurately determine percent recovery with the presence of these high concentrations. Recoveries of target analytes not impacted by these high concentrations were acceptable. Any MS/MSD failures were appropriately qualified.

4. Analytical Reports

Some of the soil samples were analyzed beyond the recommended holding time of 14 days. However, because these samples were stored frozen, the sample integrity was maintained for this project and the results were not qualified. All samples for Work Order P133601 were received without chain-of-custody per client instruction. However, all pertinent sample information was taken from the container label and entered into LIMS.

The analytical results are presented in summary format in Appendix A. Appendix B contains full analytical reports for each sample along with quality control sample results.



5. Reason for Revised Report

On March 13, 2014 report “2613 FINAL 09 27 2013 0940” was revised to report work orders P133601 and P133701 separately, per client request.

6. Signature Approval

This document has been prepared by the under-signed:

Christopher Sauer 09/27/13
Lead Chemist

This document has been reviewed by the under-signed:

Michael Linskens 09/27/13
Project Manager

Certification List

			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2014
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2014
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2014
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2014
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2014



Appendix A
Summary Style Report



SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P133601-01	P133601-02	P133601-03	P133601-04	P133601-05	P133601-06
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 1A1-(0-1)	BAR-S-PILOT-C1 1A3-(0-1)	BAR-S-PILOT-C1 1B4-(0-1)	BAR-S-PILOT-C1 1B2-(0-1)	BAR-S-PILOT-C1 3B4-(0-1)	BAR-S-PILOT-C 13B2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	670	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	530	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	240	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	<210 [2]	<210 [2]	<210 [2]	<210 [2]	<210 [2]	<210 [2]
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	710	<210	<210	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	1400	<210	<210	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	410	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	220	760	6100	230	640	390
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	240	<210
2,4,6-Trinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	260	<210
2,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	220	<210
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	260	<210
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	340	6300	6000	660	<210	<210
2,2'-Dinitrobiphenyl	140 [surr]	76%	88%	84%	76%	86%	82%
Nitrobenzene-d5	140 [surr]	93%	<210	90%	92%	93%	88%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

URS Corporation	Project: DuPont Barksdale Explosives Plant - Barksdale, WI
4051 Ogletown Road, Ste 300	Project Number: LBIO-66526 Amendment 11
Newark, DE 19713	Project Manager: Jon Hammerberg
SAMPLED: 08/20/2013 to 08/23/2013	
RECEIVED: 09/05/2013	

LAB #		P133601-01	P133601-02	P133601-03	P133601-04	P133601-05	P133601-06
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 1A1-(0-1)	BAR-S-PILOT-C1 1A3-(0-1)	BAR-S-PILOT-C1 1B4-(0-1)	BAR-S-PILOT-C1 1B2-(0-1)	BAR-S-PILOT-C1 3B4-(0-1)	BAR-S-PILOT-C 13B2-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	94.1	94.8	95.2	95.8	94.8	96.1
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SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P133601-07	P133601-08	P133601-09	P133601-10	P133601-11	P133601-12
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 3A1-(0-1)	BAR-S-PILOT-C1 3A3-(0-1)	BAR-S-PILOT-C1 0B2-(0-1)	BAR-S-PILOT-C1 0B4-(0-1)	BAR-S-PILOT-C0 1A2-(0-1)	BAR-S-PILOT-C 01B6-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	800	<210	180000 [1]	750000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	480	<210	170000 [1]	730000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	37000 [1]	160000 [1]
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	250	<210	59000 [1]	260000 [1]
1,3,5-Trinitrobenzene	200 ug/kg dry	<210 [2]	<210 [2]	<210 [2]	<210 [2]	280 [2]	<210 [2]
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	1300	260	240000 [1]	1200000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	910	4400
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	210	2300	340	270000 [1]	1300000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	37000 [1]	180000 [1]
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	860	<210	110000 [1]	540000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	12000	83000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	530	880	6600	1200	710000 [1]	3900000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	620	440	660	300
2,4,6-Trinitrotoluene	200 ug/kg dry	<210	<210	230	<210	49000 [1]	270000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<210	220	780	420	1000	5400
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	540
2,6-Dinitrotoluene	200 ug/kg dry	<210	<210	350	<210	2200	10000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	6300	17000
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	760	<210	960	1500
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	530	540
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	240	530
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	<210	240	<210	5600	14000
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	<210	<210	18000	73000
2,2'-Dinitrobiphenyl	140 [surr]	80%	89%	95%	85%	110%	130%
Nitrobenzene-d5	140 [surr]	94%	91%	93%	94%	92%	97%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P133601-07	P133601-08	P133601-09	P133601-10	P133601-11	P133601-12
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 3A1-(0-1)	BAR-S-PILOT-C1 3A3-(0-1)	BAR-S-PILOT-C1 0B2-(0-1)	BAR-S-PILOT-C1 0B4-(0-1)	BAR-S-PILOT-C0 1A2-(0-1)	BAR-S-PILOT-C 01B6-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	95.4	95.7	95.3	95.7	95.7	94.6
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SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P133601-13	P133601-14	P133601-15	P133601-16	P133601-17	P133601-18
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 0A1-(0-1)	BAR-S-PILOT-C0 1B3-(0-1)	BAR-S-PILOT-C1 0A3-(0-1)	BAR-S-PILOT-C0 1-(0-1)	BAR-S-PILOT-C0 2A3-(0-1)	BAR-S-PILOT-C 02A4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	630	65000 [1]	<210	370000 [1]	230000 [1]	220000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	700	63000 [1]	<210	390000 [1]	230000 [1]	220000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	9900	<210	87000	30000	29000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	270	17000	<210	130000 [1]	39000	76000 [1]
1,3,5-Trinitrobenzene	200 ug/kg dry	<210 [2]	<210 [2]	<210 [2]	<210 [2]	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	1300	72000 [1]	<210	700000 [1]	330000 [1]	310000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	300	<210	2500	1200	1200
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	1400	86000 [1]	<210	620000 [1]	360000 [1]	350000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	220	9300	<210	110000 [1]	31000	30000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	620	34000 [1]	<210	290000 [1]	160000 [1]	130000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	4800	<210	<100000	15000	15000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	3700	270000 [1]	610	2000000 [1]	1200000 [1]	1200000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	1200	210	<210	4200	2000	600
2,4,6-Trinitrotoluene	200 ug/kg dry	330	12000	<210	130000 [1]	17000	17000
2,4-Dinitrotoluene	200 ug/kg dry	810	610	370	4100	1800	1400
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	420	220	<210
2,6-Dinitrotoluene	200 ug/kg dry	290	770	<210	6800	2200	2100
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	250	5100	<210	8700	2900	3300
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	1900	370	<210	570	320	330
3,5-Dinitroaniline	200 ug/kg dry	<210	330	<210	440	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	520	280	270
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	310	4700	<210	7300	2000	2300
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	5500	<210	38000	24000	23000
2,2'-Dinitrobiphenyl	140 [surr]	110%	120%	110%	120%	120%	110%
Nitrobenzene-d5	140 [surr]	94%	96%	95%	93%	93%	89%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-13	P133601-14	P133601-15	P133601-16	P133601-17	P133601-18
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 0A1-(0-1)	BAR-S-PILOT-C0 1B3-(0-1)	BAR-S-PILOT-C1 0A3-(0-1)	BAR-S-PILOT-C0 1-(0-1)	BAR-S-PILOT-C0 2A3-(0-1)	BAR-S-PILOT-C 02A4-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	95.8	95.8	95.7	96.0	96.7	96.6
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LAB #		P133601-19	P133601-20	P133601-23	P133601-24	P133601-25	P133601-26
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 2A5-(0-1)	BAR-S-PILOT-C0 2A5-DUP-(0-1)	BAR-S-PILOT-C0 3A4-(0-1)	BAR-S-PILOT-C0 3A5-(0-1)	BAR-S-PILOT-C0 4A4-(0-1)	BAR-S-PILOT-C 03A6-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	260000 [1]	240000 [1]	280000 [1]	310000 [1]	300000 [1]	370000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	250000 [1]	240000 [1]	250000 [1]	280000 [1]	280000 [1]	360000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	55000 [1]	51000 [1]	54000 [1]	60000 [1]	61000 [1]	87000 [1]
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	84000 [1]	80000 [1]	84000 [1]	99000 [1]	97000 [1]	130000 [1]
1,3,5-Trinitrobenzene	200 ug/kg dry	240	230	<210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	380000 [1]	330000 [1]	470000 [1]	500000 [1]	530000 [1]	630000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	1300	1100	1900	2100	2200	2600
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	410000 [1]	370000 [1]	410000 [1]	470000 [1]	460000 [1]	560000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	58000 [1]	53000 [1]	47000 [1]	55000 [1]	58000 [1]	87000 [1]
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	160000 [1]	150000 [1]	190000 [1]	220000 [1]	210000 [1]	280000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	16000	15000	26000 [1]	26000 [1]	28000 [1]	36000 [1]
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	1400000 [1]	1300000 [1]	1500000 [1]	1700000 [1]	1800000 [1]	1500000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	590	520	580	900	850	940
2,4,6-Trinitrotoluene	200 ug/kg dry	20000	20000	1600	1400	1400	5900
2,4-Dinitrotoluene	200 ug/kg dry	2000	1800	3600	3600	3800	3800
2,5-Dinitrotoluene	200 ug/kg dry	220	<210	<210	<210	<210	330
2,6-Dinitrotoluene	200 ug/kg dry	2100	1900	700	860	870	1700
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	4000	3600	1100	1100	1100	760
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	340	330	980	1200	1300	2100
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	290	270	250	300	300	350
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	2900	2500	1200	1200	1200	810
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	230	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	27000	24000	14000	17000	18000	27000
2,2'-Dinitrobiphenyl	140 [surr]	120%	120%	120%	120%	120%	120%
Nitrobenzene-d5	140 [surr]	89%	95%	95%	96%	100%	96%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-19	P133601-20	P133601-23	P133601-24	P133601-25	P133601-26
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 2A5-(0-1)	BAR-S-PILOT-C0 2A5-DUP-(0-1)	BAR-S-PILOT-C0 3A4-(0-1)	BAR-S-PILOT-C0 3A5-(0-1)	BAR-S-PILOT-C0 4A4-(0-1)	BAR-S-PILOT-C 03A6-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	97.0	97.2	95.8	95.1	94.9	96.6
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LAB #		P133601-27	P133601-28	P133601-29	P133601-30	P133601-31	P133601-32
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-CO 4B3-(0-1)	BAR-S-PILOT-CO 4B1-(0-1)	BAR-S-PILOT-CO 5B4-(0-1)	BAR-S-PILOT-CO 5B2-(0-1)	BAR-S-PILOT-CO 5A6-(0-1)	BAR-S-PILOT-C 08B4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	490000 [1]	250000 [1]	210	370	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	480000 [1]	240000 [1]	<210	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	100000 [1]	50000 [1]	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	170000 [1]	86000 [1]	<210	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	750000 [1]	360000 [1]	450	570	230	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	3300	1400	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	640000 [1]	360000 [1]	480	890	210	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	110000 [1]	47000 [1]	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	330000 [1]	150000 [1]	240	420	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	42000 [1]	19000	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	1900000 [1]	1100000 [1]	1100	1400	860	450
2,3-Dinitrotoluene	200 ug/kg dry	1500	590	890	2600	<210	<210
2,4,6-Trinitrotoluene	200 ug/kg dry	4900	1700	630	380	<210	<210
2,4-Dinitrotoluene	200 ug/kg dry	4500	1600	6300	3600	65000 [1]	1700
2,5-Dinitrotoluene	200 ug/kg dry	270	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	1300	530	8800	1600	580	280
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	1600	840	<210	<210	<210	<210
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	2600	1100	1300	3700	320	<210
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	500	290	<210	370	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	1600	950	<210	270	<210	<210
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	39000	16000	240	430	<210	<210
2,2'-Dinitrobiphenyl	140 [surr]	120%	110%	100%	110%	100%	99%
Nitrobenzene-d5	140 [surr]	96%	95%	97%	96%	97%	96%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-27	P133601-28	P133601-29	P133601-30	P133601-31	P133601-32
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 4B3-(0-1)	BAR-S-PILOT-C0 4B1-(0-1)	BAR-S-PILOT-C0 5B4-(0-1)	BAR-S-PILOT-C0 5B2-(0-1)	BAR-S-PILOT-C0 5A6-(0-1)	BAR-S-PILOT-C 08B4-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	95.1	96.1	96.1	95.6	95.6	95.9
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LAB #		P133601-33	P133601-34	P133601-35	P133601-38	P133601-39	P133601-40
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 8B2-(0-1)	BAR-S-PILOT-C0 8A4-(0-1)	BAR-S-PILOT-C0 8A4-DUP-(0-1)	BAR-S-PILOT-C0 8A1-(0-1)	BAR-S-PILOT-C0 6B1-(0-1)	BAR-S-PILOT-C 06A2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	940	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	310	1300
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	290
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	320	720
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	720	7800
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	360	220	<210	<210	1200	1800
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	310	230	<210	<210	1300	2200
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	280
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	570	890
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	950	480	330	420	5100	7900
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	1300	3300
2,4,6-Trinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	160000 [1]	1900000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	1400	2000	1500	1300	3000	9100
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	290	330	<210	240	1700	6900
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	5600	18000
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	1900	5100
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	340	1600
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	270
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	22000	16000
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	250
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	210	<210	<210	1100	9800
2,2'-Dinitrobiphenyl	140 [surr]	99%	100%	99%	99%	110%	110%
Nitrobenzene-d5	140 [surr]	99%	97%	96%	96%	100%	98%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-33	P133601-34	P133601-35	P133601-38	P133601-39	P133601-40
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 8B2-(0-1)	BAR-S-PILOT-C0 8A4-(0-1)	BAR-S-PILOT-C0 8A4-DUP-(0-1)	BAR-S-PILOT-C0 8A1-(0-1)	BAR-S-PILOT-C0 6B1-(0-1)	BAR-S-PILOT-C 06A2-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	95.6	96.2	95.9	95.8	94.5	96.1
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LAB #		P133601-41	P133601-42	P133601-43	P133601-44	P133601-45	P133601-46
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 6A5-(0-1)	BAR-S-PILOT-C0 6B6-(0-1)	BAR-S-PILOT-C0 7A1-(0-1)	BAR-S-PILOT-C0 7B2-(0-1)	BAR-S-PILOT-C0 7A4-(0-1)	BAR-S-PILOT-C 07B6-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	480	230	<210	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	350	<210	<210	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	240	<210	<210	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	1400	220	<210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	500	230	<210	<210	<210	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	600	310	<210	<210	<210	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	230	<210	<210	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	2400	1300	470	<210	<210	<210
2,3-Dinitrotoluene	200 ug/kg dry	3000	880	<210	<210	380	1200
2,4,6-Trinitrotoluene	200 ug/kg dry	1000000 [1]	43000 [1]	1900	1600	4000	8600
2,4-Dinitrotoluene	200 ug/kg dry	7500	880	670	270	1600	4300
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	6500	570	500	<210	1300	3300
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	13000	2100	650	320	980	890
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	4500	1400	210	<210	480	1600
3,5-Dinitroaniline	200 ug/kg dry	700	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	230	<210	<210	<210	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	15000	11000	1200	770	2300	4300
4-Nitrotoluene	200 ug/kg dry	220	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	1500	1400	<210	<210	<210	<210
2,2'-Dinitrobiphenyl	140 [surr]	120%	110%	110%	110%	110%	120%
Nitrobenzene-d5	140 [surr]	94%	98%	100%	99%	96%	98%

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	95.6	93.9	96.0	95.6	95.5	95.4
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SUMMARY REPORT

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LAB #		P133601-47	P133601-48	P133601-49	P133601-50	P133601-51	P133601-52
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4A6-(0-1)	BAR-S-PILOT-C0 5A3-(0-1)	BAR-S-PILOT-C1 4A5-(0-1)	BAR-S-PILOT-C1 4A3-(0-1)	BAR-S-PILOT-C1 4B1-(0-1)	BAR-S-PILOT-C 14B2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	220	<210	<210	<210	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	360	<210	<210	<210	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	220	<210	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	530	<210	<210	<210	<210
2,3-Dinitrotoluene	200 ug/kg dry	960	1300	2300	220	<210	310
2,4,6-Trinitrotoluene	200 ug/kg dry	5700	320	6200	8200	1600	2500
2,4-Dinitrotoluene	200 ug/kg dry	1300	31000 [1]	4500	4400	210	380
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	330	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	1800	44000 [1]	4100	400	240	330
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	520	<210	570	490	280	420
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	1300	1800	3500	240	<210	430
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	<210	290	250	<210	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	2800	220	3400	1100	890	1700
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,2'-Dinitrobiphenyl	140 [surr]	120%	110%	110%	110%	110%	110%
Nitrobenzene-d5	140 [surr]	100%	99%	97%	95%	100%	98%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P133601-47	P133601-48	P133601-49	P133601-50	P133601-51	P133601-52
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4A6-(0-1)	BAR-S-PILOT-C0 5A3-(0-1)	BAR-S-PILOT-C1 4A5-(0-1)	BAR-S-PILOT-C1 4A3-(0-1)	BAR-S-PILOT-C1 4B1-(0-1)	BAR-S-PILOT-C 14B2-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	95.4	95.3	95.5	96.1	97.2	97.5
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SUMMARY REPORT

2525 Advance Road
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LAB #		P133601-53	P133601-54	P133601-57	P133601-58	P133601-59	P133601-60
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4B4-(0-1)	BAR-S-PILOT-C1 4B4-DUP-(0-1)	BAR-S-PILOT-C1 4B5-(0-1)	BAR-S-PILOT-C1 4B6-(0-1)	BAR-S-PILOT-C1 5B4-(0-1)	BAR-S-PILOT-C 15B4-DUP- (0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	360	360	370	<210	350	450
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	320	320	280	<210	<210	<210
2,3-Dinitrotoluene	200 ug/kg dry	9900	9400	12000	3800	<210	<210
2,4,6-Trinitrotoluene	200 ug/kg dry	15000	18000	15000	3200	54000 [1]	43000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	740	720	930	230	360	470
2,5-Dinitrotoluene	200 ug/kg dry	620	590	680	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	2100	6500	3200	350	<210	<210
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	1300	1100	960	440	1800	2100
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	17000	16000	20000	6200	<210	<210
3,5-Dinitroaniline	200 ug/kg dry	250	220	210	<210	210	240
3,5-Dinitrotoluene	200 ug/kg dry	990	960	1100	400	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	3200	3100	2900	2100	8200	9400
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,2'-Dinitrobiphenyl	140 [surr]	120%	110%	110%	100%	110%	110%
Nitrobenzene-d5	140 [surr]	99%	97%	97%	98%	96%	99%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

2525 Advance Road
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LAB #		P133601-53	P133601-54	P133601-57	P133601-58	P133601-59	P133601-60
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4B4-(0-1)	BAR-S-PILOT-C1 4B4-DUP-(0-1)	BAR-S-PILOT-C1 4B5-(0-1)	BAR-S-PILOT-C1 4B6-(0-1)	BAR-S-PILOT-C1 5B4-(0-1)	BAR-S-PILOT-C 15B4-DUP- (0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	96.2	96.4	96.1	96.3	96.1	95.4
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SUMMARY REPORT

2525 Advance Road
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LAB #		P133601-61	P133601-62	P133601-63	P133601-64	P133601-65	P133601-66
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5A4-(0-1)	BAR-S-PILOT-C1 5A3-(0-1)	BAR-S-PILOT-C1 5B3-(0-1)	BAR-S-PILOT-C1 5B2-(0-1)	BAR-S-PILOT-C1 5A2-(0-1)	BAR-S-PILOT-C 15A1-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	210	<210	<210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,3-Dinitrotoluene	200 ug/kg dry	270	290	<210	<210	280	1200
2,4,6-Trinitrotoluene	200 ug/kg dry	8800	10000	17000	7700	56000 [1]	5700
2,4-Dinitrotoluene	200 ug/kg dry	810	530	250	230	260	<210
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	610	510	<210	<210	<210	<210
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	1200	630	940	790	540	400
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	300	380	<210	<210	370	1500
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	5900	3600	8000	6100	3200	2500
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	230	<210	<210	<210	<210	<210
2,2'-Dinitrobiphenyl	140 [surr]	110%	110%	110%	110%	110%	100%
Nitrobenzene-d5	140 [surr]	99%	96%	95%	99%	98%	99%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

2525 Advance Road
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<p>URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713</p> <p>SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013</p>	<p>Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg</p>
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LAB #		P133601-61	P133601-62	P133601-63	P133601-64	P133601-65	P133601-66
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5A4-(0-1)	BAR-S-PILOT-C1 5A3-(0-1)	BAR-S-PILOT-C1 5B3-(0-1)	BAR-S-PILOT-C1 5B2-(0-1)	BAR-S-PILOT-C1 5A2-(0-1)	BAR-S-PILOT-C1 15A1-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	96.2	96.3	96.0	96.1	96.4	96.4
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SUMMARY REPORT

2525 Advance Road
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LAB #		P133601-67	P133601-68	P133601-69	P133601-70	P133601-71	P133601-72
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5B1-(0-1)	BAR-S-PILOT-C1 7B1-(0-1)	BAR-S-PILOT-C1 7B2-(0-1)	BAR-S-PILOT-C1 7B3-(0-1)	BAR-S-PILOT-C1 7B4-(0-1)	BAR-S-PILOT-C 17A1-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	18000	49000 [1]	58000 [1]	52000 [1]	27000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	7300	41000 [1]	50000 [1]	40000 [1]	8700
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	4900	10000	12000	11000	5400
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	7000	16000	17000	15000	8600
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	33000 [1]	75000 [1]	86000 [1]	73000 [1]	37000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	280	320	270	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	38000 [1]	77000 [1]	86000 [1]	73000 [1]	49000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	2800	9800	10000	9000	3400
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	16000	37000 [1]	44000 [1]	37000 [1]	18000
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	1900	4500	5100	4500	2500
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	100000 [1]	210000 [1]	240000 [1]	210000 [1]	120000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	300	2200	7000	6100	5900	2700
2,4,6-Trinitrotoluene	200 ug/kg dry	18000	1700	8300	9500	9500	2000
2,4-Dinitrotoluene	200 ug/kg dry	380	940	1600	1900	1800	1000
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	260	450	1100	1300	1200	710
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	750	690	2500	2700	2400	810
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	300	2600	9800	8200	8100	3300
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	320	300	300	<210
3,5-Dinitrotoluene	200 ug/kg dry	<210	310	880	750	730	360
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	4700	1700	2300	2600	2500	1800
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	1700	5400	5200	4400	2000
2,2'-Dinitrobiphenyl	140 [surr]	120%	120%	120%	120%	120%	120%
Nitrobenzene-d5	140 [surr]	110%	100%	100%	100%	100%	100%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-67	P133601-68	P133601-69	P133601-70	P133601-71	P133601-72
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5B1-(0-1)	BAR-S-PILOT-C1 7B1-(0-1)	BAR-S-PILOT-C1 7B2-(0-1)	BAR-S-PILOT-C1 7B3-(0-1)	BAR-S-PILOT-C1 7B4-(0-1)	BAR-S-PILOT-C1 17A1-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00	% by Weight	96.0	94.7	95.4	94.0	94.8	95.6
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SUMMARY REPORT

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LAB #		P133601-73	P133601-74	P133601-75	P133601-76	P133601-77	P133601-78
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 7A2-(0-1)	BAR-S-PILOT-C1 7A3-(0-1)	BAR-S-PILOT-C1 7A4-(0-1)	BAR-S-PILOT-C1 6A1-(0-1)	BAR-S-PILOT-C1 6A2-(0-1)	BAR-S-PILOT-C1 16A3-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	25000 [1]	51000 [1]	17000	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	12000	36000 [1]	12000	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	5600	10000	4400	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	8500	14000	5800	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	250	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	37000 [1]	69000 [1]	28000 [1]	220	<210	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	310	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	320	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	44000 [1]	78000 [1]	32000 [1]	<210	<210	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	3700	9300	3100	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	18000	35000 [1]	14000	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	2500	4100	1800	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	120000 [1]	210000 [1]	87000 [1]	560	<210	<210
2,3-Dinitrotoluene	200 ug/kg dry	2900	6500	2400	<210	<210	<210
2,4,6-Trinitrotoluene	200 ug/kg dry	53000 [1]	5000	14000	780000 [1]	45000 [1]	10000
2,4-Dinitrotoluene	200 ug/kg dry	1300	2000	1000	1100	<210	250
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	850	990	550	220	<210	<210
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	1300	2100	1400	55000 [1]	6300	2600
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	3500	8700	2900	<210	<210	<210
3,5-Dinitroaniline	200 ug/kg dry	<210	340	210	400	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	370	800	340	<210	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	2000	2500	2500	54000 [1]	13000	5800
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	29000 [1]	15000 [1]	2400	1200	390	<210
2,2'-Dinitrobiphenyl	140 [surr]	120%	120%	120%	130%	120%	120%
Nitrobenzene-d5	140 [surr]	100%	98%	100%	100%	100%	100%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P133601-73	P133601-74	P133601-75	P133601-76	P133601-77	P133601-78
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 7A2-(0-1)	BAR-S-PILOT-C1 7A3-(0-1)	BAR-S-PILOT-C1 7A4-(0-1)	BAR-S-PILOT-C1 6A1-(0-1)	BAR-S-PILOT-C1 6A2-(0-1)	BAR-S-PILOT-C 16A3-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	95.7	93.8	95.8	96.9	95.4	97.4
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LAB #		P133601-79	P133601-80	P133601-81	P133601-82	P133601-83	P133601-84
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 6A4-(0-1)	BAR-S-PILOT-C1 6B4-(0-1)	BAR-S-PILOT-C1 6B1-(0-1)	BAR-S-PILOT-C1 6B3-(0-1)	BAR-S-PILOT-C1 6B2-(0-1)	BAR-S-PILOT-C 21A1-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	2400
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	230	<210	<210	290	340
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
2,4,6-Trinitrotoluene	200 ug/kg dry	12000	120000 [1]	9500	2300	14000	410000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	5100
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
2,6-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	420
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	3200	1300	2400	1100	1400	17000
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	730
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	340
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	6000	1500	6600	1200	3400	16000
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<200
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	<210	<210	<210	3500
2,2'-Dinitrobiphenyl	140 [surr]	120%	110%	120%	120%	120%	130%
Nitrobenzene-d5	140 [surr]	99%	100%	100%	100%	100%	100%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-79	P133601-80	P133601-81	P133601-82	P133601-83	P133601-84
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 6A4-(0-1)	BAR-S-PILOT-C1 6B4-(0-1)	BAR-S-PILOT-C1 6B1-(0-1)	BAR-S-PILOT-C1 6B3-(0-1)	BAR-S-PILOT-C1 6B2-(0-1)	BAR-S-PILOT-C 21A1-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	95.8	93.9	95.7	95.5	96.3	98.0
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SUMMARY REPORT

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LAB #		P133601-85	P133601-86	P133601-87	P133601-88	P133601-89	P133601-90
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C2 1A2-(0-1)	BAR-S-PILOT-C2 1A3-(0-1)	BAR-S-PILOT-C2 1A4-(0-1)	BAR-S-PILOT-C2 1B1-(0-1)	BAR-S-PILOT-C2 1B2-(0-1)	BAR-S-PILOT-C 21B3-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	220
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,3-Dinitrobenzene	200 ug/kg dry	4500	3600	5800	4500	4100	4400
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
2,4,6-Trinitrotoluene	200 ug/kg dry	8100000 [1]	6400000 [1]	9200000 [1]	7400000 [1]	7100000 [1]	5300000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	9400	7000	11000	8900	7900	7300
2,5-Dinitrotoluene	200 ug/kg dry	270	<210	300	270	270	260
2,6-Dinitrotoluene	200 ug/kg dry	630	460	700	1300	940	1300
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	48000 [1]	35000 [1]	45000 [1]	57000 [1]	17000	2100
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
3,5-Dinitroaniline	200 ug/kg dry	790	780	630	830	680	1100
3,5-Dinitrotoluene	200 ug/kg dry	650	510	810	640	550	480
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	62000 [1]	41000 [1]	52000 [1]	65000 [1]	19000	15000
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<200	<210	<200
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	3900	3700	3800	3200	3100	4700
2,2'-Dinitrobiphenyl	140 [surr]	100%	150% [3]	100%	91%	93%	150% [3]
Nitrobenzene-d5	140 [surr]	100%	100%	100%	100%	100%	100%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-85	P133601-86	P133601-87	P133601-88	P133601-89	P133601-90
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C2 1A2-(0-1)	BAR-S-PILOT-C2 1A3-(0-1)	BAR-S-PILOT-C2 1A4-(0-1)	BAR-S-PILOT-C2 1B1-(0-1)	BAR-S-PILOT-C2 1B2-(0-1)	BAR-S-PILOT-C 21B3-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	93.9	97.0	97.2	98.3	97.3	98.3
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LAB #		P133601-91	P133601-92	P133601-93	P133601-94	P133601-95	P133601-96
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C2 1B4-(0-1)	BAR-S-PILOT-C1 9B4-(0-1)	BAR-S-PILOT-C1 9B3-(0-1)	BAR-S-PILOT-C1 9B2-(0-1)	BAR-S-PILOT-C1 9B1-(0-1)	BAR-S-PILOT-C 19A4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	330	430	16000
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	260	410	<200
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	520	620	<200	200	490
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	460	950	<200
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
1,3-Dinitrobenzene	200 ug/kg dry	4500	<200	<200	<200	<200	<200
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	490	720	<200
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	240	400	<200
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	<200	<200	2600	2300	320
2,3-Dinitrotoluene	200 ug/kg dry	<210	<200	<200	260	<200	<200
2,4,6-Trinitrotoluene	200 ug/kg dry	5300000 [1]	130000 [1]	210000 [1]	43000 [1]	61000 [1]	300000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	8100	340	400	260	240	760
2,5-Dinitrotoluene	200 ug/kg dry	280	<200	<200	<200	<200	<200
2,6-Dinitrotoluene	200 ug/kg dry	2800	<200	<200	<200	<200	200
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	33000 [1]	2700	2100	1100	1600	3000
2-Nitrotoluene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
3,4-Dinitrotoluene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
3,5-Dinitroaniline	200 ug/kg dry	960	270	290	<200	<200	240
3,5-Dinitrotoluene	200 ug/kg dry	500	<200	<200	<200	<200	<200
3-Nitrotoluene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	27000 [1]	10000	9800	7300	8400	11000
4-Nitrotoluene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
Nitrobenzene	200 ug/kg dry	<210	<200	<200	<200	<200	<200
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	6900	290	220	<200	630	490
2,2'-Dinitrobiphenyl	140 [surr]	150% [3]	130%	130%	130%	140%	130%
Nitrobenzene-d5	140 [surr]	100%	100%	100%	110%	110%	110%

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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LAB #		P133601-91	P133601-92	P133601-93	P133601-94	P133601-95	P133601-96
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C2 1B4-(0-1)	BAR-S-PILOT-C1 9B4-(0-1)	BAR-S-PILOT-C1 9B3-(0-1)	BAR-S-PILOT-C1 9B2-(0-1)	BAR-S-PILOT-C1 9B1-(0-1)	BAR-S-PILOT-C 19A4-(0-1)

Classical Chemistry Parameters (continued)

% Solids	0.00 % by Weight	97.1	99.0	98.6	99.3	98.8	98.5
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SUMMARY REPORT

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LAB #		P133601-97	P133601-98	P133601-99	-	-	-
MATRIX	Minimum	Soil	Soil	Soil	-	-	-
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 9A3-(0-1)	BAR-S-PILOT-C1 9A2-(0-1)	BAR-S-PILOT-C1 9A1-(0-1)	-	-	-

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,3,5-Trinitrobenzene	200 ug/kg dry	430	360	410	-	-	-
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,3-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
2,3-Dinitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
2,4,6-Trinitrotoluene	200 ug/kg dry	220000 [1]	77000 [1]	130000 [1]	-	-	-
2,4-Dinitrotoluene	200 ug/kg dry	680	450	2200	-	-	-
2,5-Dinitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
2,6-Dinitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	2400	1600	1900	-	-	-
2-Nitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
3,4-Dinitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
3,5-Dinitroaniline	200 ug/kg dry	<200	<200	<200	-	-	-
3,5-Dinitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
3-Nitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	11000	9400	9400	-	-	-
4-Nitrotoluene	200 ug/kg dry	<200	<200	<200	-	-	-
Nitrobenzene	200 ug/kg dry	<200	<200	<200	-	-	-
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	290	660	580	-	-	-
2,2'-Dinitrobiphenyl	140 [surr]	140%	140%	130%	-	-	-
Nitrobenzene-d5	140 [surr]	110%	110%	110%	-	-	-

Classical Chemistry Parameters (Soil)



SUMMARY REPORT

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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 08/20/2013 to 08/23/2013 RECEIVED: 09/05/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #	P133601-97	P133601-98	P133601-99	-	-	-
MATRIX	Minimum	Soil	Soil	Soil	-	-
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 9A3-(0-1)	BAR-S-PILOT-C1 9A2-(0-1)	BAR-S-PILOT-C1 9A1-(0-1)	-	-

Classical Chemistry Parameters (continued)						
% Solids	0.00 % by Weight	97.8	98.7	98.9	-	-

Special Notes

- 1 = Data reported from a dilution
- 2 = Results may be biased low because of low continuing calibration verification (CCV).
- 3 = Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.



Appendix B

Detailed Report with Quality Control Results



2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C11A1-(0-1)	P133601-01	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C11A3-(0-1)	P133601-02	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C11B4-(0-1)	P133601-03	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C11B2-(0-1)	P133601-04	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C13B4-(0-1)	P133601-05	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C13B2-(0-1)	P133601-06	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C13A1-(0-1)	P133601-07	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C13A3-(0-1)	P133601-08	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C10B2-(0-1)	P133601-09	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C10B4-(0-1)	P133601-10	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C01A2-(0-1)	P133601-11	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C01B6-(0-1)	P133601-12	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C10A1-(0-1)	P133601-13	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C01B3-(0-1)	P133601-14	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C10A3-(0-1)	P133601-15	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C01-(0-1)	P133601-16	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C02A3-(0-1)	P133601-17	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C02A4-(0-1)	P133601-18	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C02A5-(0-1)	P133601-19	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C02A5-DUP-(0-1)	P133601-20	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C03A4-(0-1)	P133601-23	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C03A5-(0-1)	P133601-24	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C04A4-(0-1)	P133601-25	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C03A6-(0-1)	P133601-26	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C04B3-(0-1)	P133601-27	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C04B1-(0-1)	P133601-28	Soil	08/20/2013	09/05/2013
BAR-S-PILOT-C05B4-(0-1)	P133601-29	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C05B2-(0-1)	P133601-30	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C05A6-(0-1)	P133601-31	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C08B4-(0-1)	P133601-32	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C08B2-(0-1)	P133601-33	Soil	08/21/2013	09/05/2013



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C08A4-(0-1)	P133601-34	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C08A4-DUP-(0-1)	P133601-35	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C08A1-(0-1)	P133601-38	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C06B1-(0-1)	P133601-39	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C06A2-(0-1)	P133601-40	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C06A5-(0-1)	P133601-41	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C06B6-(0-1)	P133601-42	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C07A1-(0-1)	P133601-43	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C07B2-(0-1)	P133601-44	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C07A4-(0-1)	P133601-45	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C07B6-(0-1)	P133601-46	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C14A6-(0-1)	P133601-47	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C05A3-(0-1)	P133601-48	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C14A5-(0-1)	P133601-49	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C14A3-(0-1)	P133601-50	Soil	08/21/2013	09/05/2013
BAR-S-PILOT-C14B1-(0-1)	P133601-51	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C14B2-(0-1)	P133601-52	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C14B4-(0-1)	P133601-53	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C14B4-DUP-(0-1)	P133601-54	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C14B5-(0-1)	P133601-57	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C14B6-(0-1)	P133601-58	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15B4-(0-1)	P133601-59	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15B4-DUP-(0-1)	P133601-60	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15A4-(0-1)	P133601-61	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15A3-(0-1)	P133601-62	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15B3-(0-1)	P133601-63	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15B2-(0-1)	P133601-64	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15A2-(0-1)	P133601-65	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15A1-(0-1)	P133601-66	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C15B1-(0-1)	P133601-67	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C17B1-(0-1)	P133601-68	Soil	08/22/2013	09/05/2013



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Project Manager: Jon Hammerberg

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C17B2-(0-1)	P133601-69	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C17B3-(0-1)	P133601-70	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C17B4-(0-1)	P133601-71	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C17A1-(0-1)	P133601-72	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C17A2-(0-1)	P133601-73	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C17A3-(0-1)	P133601-74	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C17A4-(0-1)	P133601-75	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16A1-(0-1)	P133601-76	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16A2-(0-1)	P133601-77	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16A3-(0-1)	P133601-78	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16A4-(0-1)	P133601-79	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16B4-(0-1)	P133601-80	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16B1-(0-1)	P133601-81	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16B3-(0-1)	P133601-82	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C16B2-(0-1)	P133601-83	Soil	08/22/2013	09/05/2013
BAR-S-PILOT-C21A1-(0-1)	P133601-84	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C21A2-(0-1)	P133601-85	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C21A3-(0-1)	P133601-86	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C21A4-(0-1)	P133601-87	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C21B1-(0-1)	P133601-88	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C21B2-(0-1)	P133601-89	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C21B3-(0-1)	P133601-90	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C21B4-(0-1)	P133601-91	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19B4-(0-1)	P133601-92	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19B3-(0-1)	P133601-93	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19B2-(0-1)	P133601-94	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19B1-(0-1)	P133601-95	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19A4-(0-1)	P133601-96	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19A3-(0-1)	P133601-97	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19A2-(0-1)	P133601-98	Soil	08/23/2013	09/05/2013
BAR-S-PILOT-C19A1-(0-1)	P133601-99	Soil	08/23/2013	09/05/2013



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11A1-(0-1)

P133601-01 (Soil)

Date Sampled
08/20/2013 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	220	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	340	210	ug/kg dry	1	09/06/2013	09/06/2013 19:39	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	75.7 %	60-140		09/06/2013	09/06/2013 19:39	EPA 8270D
Surrogate: Nitrobenzene-d5	93.1 %	60-140		09/06/2013	09/06/2013 19:39	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	94.1	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11A3-(0-1)

P133601-02 (Soil)

Date Sampled
08/20/2013 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	760	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	6300	210	ug/kg dry	1	09/06/2013	09/06/2013 20:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	88.2 %		60-140		09/06/2013	09/06/2013 20:07	EPA 8270D	
Surrogate: Nitrobenzene-d5	%		60-140		09/06/2013	09/06/2013 20:07	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	94.8	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C11B4-(0-1)

P133601-03 (Soil)

Date Sampled
08/20/2013 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	670	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	530	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	240	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	710	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	1400	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	410	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	6100	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	6000	210	ug/kg dry	1	09/06/2013	09/06/2013 20:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	83.7 %		60-140		09/06/2013	09/06/2013 20:35	EPA 8270D	
Surrogate: Nitrobenzene-d5	90.4 %		60-140		09/06/2013	09/06/2013 20:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.2	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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 4051 Ogletown Road, Ste 300
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C11B2-(0-1)
P133601-04 (Soil)

Date Sampled
 08/20/2013 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	660	210	ug/kg dry	1	09/06/2013	09/06/2013 21:03	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	75.6 %		60-140		09/06/2013	09/06/2013 21:03	EPA 8270D	
Surrogate: Nitrobenzene-d5	91.9 %		60-140		09/06/2013	09/06/2013 21:03	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	95.8	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13B4-(0-1)

P133601-05 (Soil)

Date Sampled
08/20/2013 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	640	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
2,3-Dinitrotoluene	240	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
2,4,6-Trinitrotoluene	260	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
2,4-Dinitrotoluene	220	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
3,4-Dinitrotoluene	260	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:31	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	86.4 %		60-140		09/06/2013	09/06/2013 21:31	EPA 8270D	
<i>Surrogate: Nitrobenzene-d5</i>	93.2 %		60-140		09/06/2013	09/06/2013 21:31	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	94.8	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13B2-(0-1)

P133601-06 (Soil)

Date Sampled
08/20/2013 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	390	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:59	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	82.0 %		60-140		09/06/2013	09/06/2013 21:59	EPA 8270D	
Surrogate: Nitrobenzene-d5	88.1 %		60-140		09/06/2013	09/06/2013 21:59	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	96.1	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13A1-(0-1)

P133601-07 (Soil)

Date Sampled
08/20/2013 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	530	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:27	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	79.8 %		60-140		09/06/2013	09/06/2013 22:27	EPA 8270D	
Surrogate: Nitrobenzene-d5	93.6 %		60-140		09/06/2013	09/06/2013 22:27	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	95.4	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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URS Corporation
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 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C13A3-(0-1)

P133601-08 (Soil)

Date Sampled
08/20/2013 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	210	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	880	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
2,4-Dinitrotoluene	220	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:54	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	88.5 %		60-140		09/06/2013	09/06/2013 22:54	EPA 8270D	
Surrogate: Nitrobenzene-d5	90.7 %		60-140		09/06/2013	09/06/2013 22:54	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	95.7	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10B2-(0-1)

P133601-09 (Soil)

Date Sampled
08/20/2013 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	800	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	480	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	250	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	2300	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	860	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	6600	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
2,3-Dinitrotoluene	620	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
2,4,6-Trinitrotoluene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
2,4-Dinitrotoluene	780	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
2,6-Dinitrotoluene	350	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
3,4-Dinitrotoluene	760	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
4-Amino-2,6-dinitrotoluene	240	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:46	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	95.1 %		60-140		09/06/2013	09/07/2013 00:46	EPA 8270D	
Surrogate: Nitrobenzene-d5	92.8 %		60-140		09/06/2013	09/07/2013 00:46	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.3	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10B4-(0-1)

P133601-10 (Soil)

Date Sampled
08/20/2013 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	260	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	340	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1200	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
2,3-Dinitrotoluene	440	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
2,4-Dinitrotoluene	420	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:14	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	85.4 %		60-140		09/06/2013	09/07/2013 01:14	EPA 8270D	
<i>Surrogate: Nitrobenzene-d5</i>	94.4 %		60-140		09/06/2013	09/07/2013 01:14	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	95.7	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C01A2-(0-1)
P133601-11 (Soil)

Date Sampled
08/20/2013 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	180000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	170000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	37000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	59000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,3,5-Trinitrobenzene	280	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	240000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	910	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	270000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	37000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	110000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	12000	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	710000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
2,3-Dinitrotoluene	660	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
2,4,6-Trinitrotoluene	49000	10000	ug/kg dry	50	09/06/2013	09/07/2013 21:23	EPA 8270D	D
2,4-Dinitrotoluene	1000	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
2,6-Dinitrotoluene	2200	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	6300	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
3,4-Dinitrotoluene	960	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
3,5-Dinitroaniline	530	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
3,5-Dinitrotoluene	240	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	5600	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	18000	210	ug/kg dry	1	09/06/2013	09/07/2013 01:42	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

112 % 60-140

09/06/2013

09/07/2013 01:42

EPA 8270D

Surrogate: Nitrobenzene-d5

92.5 % 60-140

09/06/2013

09/07/2013 01:42

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.7	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C01B6-(0-1)

P133601-12 (Soil)

Date Sampled
08/20/2013 11:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	750000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	730000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	160000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	260000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	1200000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	4400	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
1,3-Dinitrobenzene	210	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	1300000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	180000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	540000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	83000	210	ug/kg dry	1	09/06/2013	09/07/2013 19:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	3900000	110000	ug/kg dry	500	09/06/2013	09/07/2013 19:04	EPA 8270D	D
2,3-Dinitrotoluene	300	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
2,4,6-Trinitrotoluene	270000	110000	ug/kg dry	500	09/06/2013	09/07/2013 03:05	EPA 8270D	D
2,4-Dinitrotoluene	5400	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
2,5-Dinitrotoluene	540	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
2,6-Dinitrotoluene	10000	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	17000	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
3,4-Dinitrotoluene	1500	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
3,5-Dinitroaniline	540	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
3,5-Dinitrotoluene	530	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	14000	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	73000	210	ug/kg dry	1	09/06/2013	09/07/2013 03:05	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

126 % 60-140

09/06/2013

09/07/2013 03:05

EPA 8270D

Surrogate: Nitrobenzene-d5

96.9 % 60-140

09/06/2013

09/07/2013 03:05

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	94.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10A1-(0-1)

P133601-13 (Soil)

Date Sampled
08/20/2013 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	630	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	700	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	270	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	220	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	620	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	3700	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,3-Dinitrotoluene	1200	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,4,6-Trinitrotoluene	330	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,4-Dinitrotoluene	810	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,6-Dinitrotoluene	290	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	250	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3,4-Dinitrotoluene	1900	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	310	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

107 % 60-140

09/06/2013

09/07/2013 03:33

EPA 8270D

Surrogate: Nitrobenzene-d5

94.0 % 60-140

09/06/2013

09/07/2013 03:33

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.8	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C01B3-(0-1)

P133601-14 (Soil)

Date Sampled
08/20/2013 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	65000	5200	ug/kg dry	25	09/06/2013	09/07/2013 16:46	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	63000	5200	ug/kg dry	25	09/06/2013	09/07/2013 16:46	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	9900	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	17000	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	72000	5200	ug/kg dry	25	09/06/2013	09/07/2013 16:46	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	300	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	86000	5200	ug/kg dry	25	09/06/2013	09/07/2013 16:46	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	9300	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	34000	5200	ug/kg dry	25	09/06/2013	09/07/2013 16:46	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	4800	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	270000	5200	ug/kg dry	25	09/06/2013	09/07/2013 16:46	EPA 8270D	D
2,3-Dinitrotoluene	210	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,4,6-Trinitrotoluene	12000	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,4-Dinitrotoluene	610	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,6-Dinitrotoluene	770	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	5100	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3,4-Dinitrotoluene	370	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3,5-Dinitroaniline	330	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	4700	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	5500	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

115 %

60-140

09/06/2013

09/07/2013 04:01

EPA 8270D

Surrogate: Nitrobenzene-d5

96.1 %

60-140

09/06/2013

09/07/2013 04:01

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.8	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10A3-(0-1)

P133601-15 (Soil)

Date Sampled
08/20/2013 11:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	610	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,4-Dinitrotoluene	370	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	112 %		60-140		09/06/2013	09/07/2013 04:28	EPA 8270D	
Surrogate: Nitrobenzene-d5	95.5 %		60-140		09/06/2013	09/07/2013 04:28	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309003

% Solids	95.7	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C01-(0-1)

P133601-16 (Soil)

Date Sampled
08/20/2013 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	370000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	390000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	87000	210	ug/kg dry	1	09/06/2013	09/07/2013 19:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	130000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	LC
1,3-Dimethyl-2,4-Dinitrobenzene	700000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	2500	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	620000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	110000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	290000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	2000000	100000	ug/kg dry	500	09/06/2013	09/07/2013 19:32	EPA 8270D	D
2,3-Dinitrotoluene	4200	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
2,4,6-Trinitrotoluene	130000	100000	ug/kg dry	500	09/06/2013	09/07/2013 04:56	EPA 8270D	D
2,4-Dinitrotoluene	4100	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
2,5-Dinitrotoluene	420	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
2,6-Dinitrotoluene	6800	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
2-Amino-4,6-dinitrotoluene	8700	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
3,4-Dinitrotoluene	570	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
3,5-Dinitroaniline	440	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
3,5-Dinitrotoluene	520	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
4-Amino-2,6-dinitrotoluene	7300	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	38000	210	ug/kg dry	1	09/06/2013	09/07/2013 04:56	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

121 % 60-140

09/06/2013

09/07/2013 04:56

EPA 8270D

Surrogate: Nitrobenzene-d5

92.9 % 60-140

09/06/2013

09/07/2013 04:56

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.0	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A3-(0-1)

P133601-17 (Soil)

Date Sampled
08/20/2013 11:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	230000	100000	ug/kg dry	500	09/06/2013	09/07/2013 18:09	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	230000	100000	ug/kg dry	500	09/06/2013	09/07/2013 18:09	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	30000	210	ug/kg dry	1	09/06/2013	09/07/2013 18:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	39000	210	ug/kg dry	1	09/06/2013	09/07/2013 18:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	330000	100000	ug/kg dry	500	09/06/2013	09/07/2013 18:09	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	1200	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	360000	100000	ug/kg dry	500	09/06/2013	09/07/2013 18:09	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	31000	210	ug/kg dry	1	09/06/2013	09/07/2013 18:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	160000	100000	ug/kg dry	500	09/06/2013	09/07/2013 18:09	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	15000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1200000	100000	ug/kg dry	500	09/06/2013	09/07/2013 18:09	EPA 8270D	D
2,3-Dinitrotoluene	2000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
2,4,6-Trinitrotoluene	17000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
2,4-Dinitrotoluene	1800	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
2,5-Dinitrotoluene	220	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
2,6-Dinitrotoluene	2200	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2900	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
3,4-Dinitrotoluene	320	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
3,5-Dinitrotoluene	280	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	24000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:47	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

116 %

60-140

09/06/2013

09/07/2013 06:47

EPA 8270D

Surrogate: Nitrobenzene-d5

93.0 %

60-140

09/06/2013

09/07/2013 06:47

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.7	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A4-(0-1)

P133601-18 (Soil)

Date Sampled
08/20/2013 11:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	220000	52000	ug/kg dry	250	09/06/2013	09/07/2013 18:37	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	220000	52000	ug/kg dry	250	09/06/2013	09/07/2013 18:37	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	29000	210	ug/kg dry	1	09/06/2013	09/07/2013 18:37	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	76000	52000	ug/kg dry	250	09/06/2013	09/07/2013 18:37	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	310000	52000	ug/kg dry	250	09/06/2013	09/07/2013 18:37	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	1200	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	350000	52000	ug/kg dry	250	09/06/2013	09/07/2013 18:37	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	30000	210	ug/kg dry	1	09/06/2013	09/07/2013 18:37	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	130000	52000	ug/kg dry	250	09/06/2013	09/07/2013 18:37	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	15000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1200000	52000	ug/kg dry	250	09/06/2013	09/07/2013 18:37	EPA 8270D	D
2,3-Dinitrotoluene	600	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
2,4,6-Trinitrotoluene	17000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
2,4-Dinitrotoluene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
2,6-Dinitrotoluene	2100	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	3300	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
3,4-Dinitrotoluene	330	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
3,5-Dinitrotoluene	270	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2300	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	23000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:15	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

111 % 60-140

09/06/2013

09/07/2013 07:15

EPA 8270D

Surrogate: Nitrobenzene-d5

89.2 % 60-140

09/06/2013

09/07/2013 07:15

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A5-(0-1)

P133601-19 (Soil)

Date Sampled
08/20/2013 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	260000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	250000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	55000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	84000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,3,5-Trinitrobenzene	240	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	380000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	410000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	58000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	160000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	16000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1400000	52000	ug/kg dry	250	09/06/2013	09/07/2013 17:13	EPA 8270D	D
2,3-Dinitrotoluene	590	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
2,4,6-Trinitrotoluene	20000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
2,4-Dinitrotoluene	2000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
2,5-Dinitrotoluene	220	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
2,6-Dinitrotoluene	2100	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	4000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
3,4-Dinitrotoluene	340	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
3,5-Dinitrotoluene	290	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2900	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	27000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:43	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	115 %	60-140		09/06/2013	09/07/2013 07:43	EPA 8270D
Surrogate: Nitrobenzene-d5	89.3 %	60-140		09/06/2013	09/07/2013 07:43	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.0	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A5-DUP-(0-1)

P133601-20 (Soil)

Date Sampled
08/20/2013 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309001

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	240000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	240000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	51000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	80000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,3,5-Trinitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	330000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	1100	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	370000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	53000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	150000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	15000	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1300000	51000	ug/kg dry	250	09/06/2013	09/07/2013 17:41	EPA 8270D	D
2,3-Dinitrotoluene	520	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
2,4,6-Trinitrotoluene	20000	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
2,4-Dinitrotoluene	1800	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
2,6-Dinitrotoluene	1900	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	3600	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
3,4-Dinitrotoluene	330	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
3,5-Dinitrotoluene	270	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2500	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
Nitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	24000	210	ug/kg dry	1	09/06/2013	09/07/2013 08:10	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

115 % 60-140

09/06/2013

09/07/2013 08:10

EPA 8270D

Surrogate: Nitrobenzene-d5

95.0 % 60-140

09/06/2013

09/07/2013 08:10

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	97.2	0.00	% by Weight	1	09/06/2013	09/07/2013 15:34	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C03A4-(0-1)

P133601-23 (Soil)

Date Sampled
08/20/2013 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	280000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	250000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	54000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	84000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	470000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	1900	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	410000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	47000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	190000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	26000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
1,5-Dimethyl-2,4-Dinitrobenzene	1500000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:27	EPA 8270D	D
2,3-Dinitrotoluene	580	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
2,4,6-Trinitrotoluene	1600	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
2,4-Dinitrotoluene	3600	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
2,6-Dinitrotoluene	700	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1100	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
3,4-Dinitrotoluene	980	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
3,5-Dinitrotoluene	250	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1200	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	14000	210	ug/kg dry	1	09/06/2013	09/06/2013 20:43	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	117 %	60-140		09/06/2013	09/06/2013 20:43	EPA 8270D
Surrogate: Nitrobenzene-d5	95.3 %	60-140		09/06/2013	09/06/2013 20:43	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.8	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C03A5-(0-1)

P133601-24 (Soil)

Date Sampled
08/20/2013 12:03

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	310000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	280000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	60000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	99000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	500000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	2100	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	470000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	55000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	220000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	26000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
1,5-Dimethyl-2,4-Dinitrobenzene	1700000	21000	ug/kg dry	100	09/06/2013	09/07/2013 10:55	EPA 8270D	D
2,3-Dinitrotoluene	900	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
2,4,6-Trinitrotoluene	1400	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
2,4-Dinitrotoluene	3600	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
2,6-Dinitrotoluene	860	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1100	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
3,4-Dinitrotoluene	1200	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
3,5-Dinitrotoluene	300	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1200	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	17000	210	ug/kg dry	1	09/06/2013	09/06/2013 21:10	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	122 %	60-140		09/06/2013	09/06/2013 21:10	EPA 8270D
Surrogate: Nitrobenzene-d5	96.4 %	60-140		09/06/2013	09/06/2013 21:10	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.1	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C04A4-(0-1)

P133601-25 (Soil)

Date Sampled
08/20/2013 12:07

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	300000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	280000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	61000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	97000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	530000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	2200	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	460000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	58000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	210000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	28000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
1,5-Dimethyl-2,4-Dinitrobenzene	1800000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:22	EPA 8270D	D
2,3-Dinitrotoluene	850	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
2,4,6-Trinitrotoluene	1400	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
2,4-Dinitrotoluene	3800	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
2,6-Dinitrotoluene	870	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1100	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
3,4-Dinitrotoluene	1300	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
3,5-Dinitrotoluene	300	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1200	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	18000	210	ug/kg dry	1	09/06/2013	09/06/2013 21:37	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

120 %

60-140

09/06/2013

09/06/2013 21:37

EPA 8270D

Surrogate: Nitrobenzene-d5

100 %

60-140

09/06/2013

09/06/2013 21:37

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	94.9	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C03A6-(0-1)

P133601-26 (Soil)

Date Sampled
08/20/2013 12:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	370000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	360000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	87000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	130000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	630000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	2600	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	560000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	87000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	280000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	36000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
1,5-Dimethyl-2,4-Dinitrobenzene	1500000	21000	ug/kg dry	100	09/06/2013	09/07/2013 11:50	EPA 8270D	D
2,3-Dinitrotoluene	940	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
2,4,6-Trinitrotoluene	5900	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
2,4-Dinitrotoluene	3800	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
2,5-Dinitrotoluene	330	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
2,6-Dinitrotoluene	1700	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
2-Amino-4,6-dinitrotoluene	760	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
3,4-Dinitrotoluene	2100	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
3,5-Dinitrotoluene	350	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
4-Amino-2,6-dinitrotoluene	810	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	27000	210	ug/kg dry	1	09/06/2013	09/06/2013 22:05	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

125 % 60-140

09/06/2013

09/06/2013 22:05

EPA 8270D

Surrogate: Nitrobenzene-d5

95.7 % 60-140

09/06/2013

09/06/2013 22:05

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C04B3-(0-1)

P133601-27 (Soil)

Date Sampled
08/20/2013 12:09

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	490000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	480000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	100000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	170000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	750000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	3300	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	640000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	110000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	330000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	42000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
1,5-Dimethyl-2,4-Dinitrobenzene	1900000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:17	EPA 8270D	D
2,3-Dinitrotoluene	1500	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
2,4,6-Trinitrotoluene	4900	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
2,4-Dinitrotoluene	4500	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
2,5-Dinitrotoluene	270	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
2,6-Dinitrotoluene	1300	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1600	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
3,4-Dinitrotoluene	2600	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
3,5-Dinitrotoluene	500	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1600	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	39000	210	ug/kg dry	1	09/06/2013	09/06/2013 22:32	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

120 %

60-140

09/06/2013

09/06/2013 22:32

EPA 8270D

Surrogate: Nitrobenzene-d5

96.0 %

60-140

09/06/2013

09/06/2013 22:32

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.1	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C04B1-(0-1)

P133601-28 (Soil)

Date Sampled
08/20/2013 12:12

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	250000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	240000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	50000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,2-Dimethyl-4,5-Dinitrobenzene	86000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	360000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	360000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	47000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,4-Dimethyl-2,6-Dinitrobenzene	150000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	19000	210	ug/kg dry	1	09/06/2013	09/07/2013 12:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1100000	21000	ug/kg dry	100	09/06/2013	09/07/2013 12:44	EPA 8270D	D
2,3-Dinitrotoluene	590	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
2,4,6-Trinitrotoluene	1700	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
2,4-Dinitrotoluene	1600	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
2,6-Dinitrotoluene	530	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	840	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
3,4-Dinitrotoluene	1100	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
3,5-Dinitrotoluene	290	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	950	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	16000	210	ug/kg dry	1	09/06/2013	09/07/2013 00:22	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	110 %	60-140		09/06/2013	09/07/2013 00:22	EPA 8270D
Surrogate: Nitrobenzene-d5	95.2 %	60-140		09/06/2013	09/07/2013 00:22	EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	96.1	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05B4-(0-1)

P133601-29 (Soil)

Date Sampled
08/21/2013 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	210	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	450	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	480	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	240	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1100	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
2,3-Dinitrotoluene	890	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
2,4,6-Trinitrotoluene	630	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
2,4-Dinitrotoluene	6300	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
2,6-Dinitrotoluene	8800	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
3,4-Dinitrotoluene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	240	210	ug/kg dry	1	09/06/2013	09/07/2013 23:38	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 103 % 60-140 09/06/2013 09/07/2013 23:38 EPA 8270D

Surrogate: Nitrobenzene-d5 97.1 % 60-140 09/06/2013 09/07/2013 23:38 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	96.1	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C05B2-(0-1)

P133601-30 (Soil)

Date Sampled
08/21/2013 10:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	370	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	570	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	890	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	420	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
2,3-Dinitrotoluene	2600	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
2,4,6-Trinitrotoluene	380	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
2,4-Dinitrotoluene	3600	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
2,6-Dinitrotoluene	1600	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
3,4-Dinitrotoluene	3700	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
3,5-Dinitrotoluene	370	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
4-Amino-2,6-dinitrotoluene	270	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	430	210	ug/kg dry	1	09/06/2013	09/07/2013 01:16	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 106 % 60-140 09/06/2013 09/07/2013 01:16 EPA 8270D

Surrogate: Nitrobenzene-d5 96.1 % 60-140 09/06/2013 09/07/2013 01:16 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05A6-(0-1)

P133601-31 (Soil)

Date Sampled
08/21/2013 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	210	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	860	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
2,4-Dinitrotoluene	65000	2100	ug/kg dry	10	09/06/2013	09/07/2013 14:34	EPA 8270D	D
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
2,6-Dinitrotoluene	580	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
3,4-Dinitrotoluene	320	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 01:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	105 %		60-140		09/06/2013	09/07/2013 01:44	EPA 8270D	
Surrogate: Nitrobenzene-d5	96.7 %		60-140		09/06/2013	09/07/2013 01:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08B4-(0-1)

P133601-32 (Soil)

Date Sampled
08/21/2013 10:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	450	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
2,4-Dinitrotoluene	1700	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
2,6-Dinitrotoluene	280	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:11	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	99.5 %		60-140		09/06/2013	09/07/2013 02:11	EPA 8270D	
Surrogate: Nitrobenzene-d5	95.9 %		60-140		09/06/2013	09/07/2013 02:11	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.9	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08B2-(0-1)

P133601-33 (Soil)

Date Sampled
08/21/2013 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	360	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	310	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	950	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
2,4-Dinitrotoluene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
2,6-Dinitrotoluene	290	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 02:39	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>99.1 %</i>		<i>60-140</i>		<i>09/06/2013</i>	<i>09/07/2013 02:39</i>	<i>EPA 8270D</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>98.6 %</i>		<i>60-140</i>		<i>09/06/2013</i>	<i>09/07/2013 02:39</i>	<i>EPA 8270D</i>	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A4-(0-1)

P133601-34 (Soil)

Date Sampled
08/21/2013 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	220	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	480	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
2,4-Dinitrotoluene	2000	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
2,6-Dinitrotoluene	330	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	210	210	ug/kg dry	1	09/06/2013	09/07/2013 03:06	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	101 %		60-140		09/06/2013	09/07/2013 03:06	EPA 8270D	
Surrogate: Nitrobenzene-d5	97.4 %		60-140		09/06/2013	09/07/2013 03:06	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	96.2	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A4-DUP-(0-1)

P133601-35 (Soil)

Date Sampled
08/21/2013 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	330	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,4-Dinitrotoluene	1500	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 03:33	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	98.7 %		60-140		09/06/2013	09/07/2013 03:33	EPA 8270D	
Surrogate: Nitrobenzene-d5	96.2 %		60-140		09/06/2013	09/07/2013 03:33	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.9	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A1-(0-1)

P133601-38 (Soil)

Date Sampled
08/21/2013 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	420	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,4-Dinitrotoluene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2,6-Dinitrotoluene	240	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:01	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	99.1 %		60-140		09/06/2013	09/07/2013 04:01	EPA 8270D	
Surrogate: Nitrobenzene-d5	96.2 %		60-140		09/06/2013	09/07/2013 04:01	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.8	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C06B1-(0-1)

P133601-39 (Soil)

Date Sampled
08/21/2013 11:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	940	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	310	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	320	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3,5-Trinitrobenzene	720	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	1200	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	570	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	5100	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,3-Dinitrotoluene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,4,6-Trinitrotoluene	160000	4200	ug/kg dry	20	09/06/2013	09/07/2013 14:06	EPA 8270D	D
2,4-Dinitrotoluene	3000	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2,6-Dinitrotoluene	1700	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	5600	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3,4-Dinitrotoluene	1900	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3,5-Dinitroaniline	340	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	22000	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1100	210	ug/kg dry	1	09/06/2013	09/07/2013 04:28	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	109 %	60-140			09/06/2013	09/07/2013 04:28	EPA 8270D	
Surrogate: Nitrobenzene-d5	99.6 %	60-140			09/06/2013	09/07/2013 04:28	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	94.5	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	



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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06A2-(0-1)

P133601-40 (Soil)

Date Sampled
08/21/2013 11:19

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	290	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	720	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,3,5-Trinitrobenzene	7800	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	1800	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	2200	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	280	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	890	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	7900	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
2,3-Dinitrotoluene	3300	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
2,4,6-Trinitrotoluene	1900000	21000	ug/kg dry	100	09/06/2013	09/07/2013 13:11	EPA 8270D	D
2,4-Dinitrotoluene	9100	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
2,6-Dinitrotoluene	6900	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	18000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
3,4-Dinitrotoluene	5100	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
3,5-Dinitroaniline	1600	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
3,5-Dinitrotoluene	270	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	16000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
4-Nitrotoluene	250	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	9800	210	ug/kg dry	1	09/06/2013	09/07/2013 06:17	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

114 % 60-140

09/06/2013

09/07/2013 06:17

EPA 8270D

Surrogate: Nitrobenzene-d5

98.1 % 60-140

09/06/2013

09/07/2013 06:17

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	96.1	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C06A5-(0-1)

P133601-41 (Soil)

Date Sampled
08/21/2013 11:22

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	480	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	350	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	240	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,3,5-Trinitrobenzene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	500	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	600	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	2400	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
2,3-Dinitrotoluene	3000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
2,4,6-Trinitrotoluene	100000	21000	ug/kg dry	100	09/06/2013	09/07/2013 13:39	EPA 8270D	D
2,4-Dinitrotoluene	7500	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
2,6-Dinitrotoluene	6500	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	13000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
3,4-Dinitrotoluene	4500	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
3,5-Dinitroaniline	700	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
3,5-Dinitrotoluene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	15000	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
4-Nitrotoluene	220	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1500	210	ug/kg dry	1	09/06/2013	09/07/2013 06:44	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

118 % 60-140

09/06/2013

09/07/2013 06:44

EPA 8270D

Surrogate: Nitrobenzene-d5

93.5 % 60-140

09/06/2013

09/07/2013 06:44

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06B6-(0-1)

P133601-42 (Soil)

Date Sampled
08/21/2013 11:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,3,5-Trinitrobenzene	220	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	230	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	310	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	1300	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
2,3-Dinitrotoluene	880	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
2,4,6-Trinitrotoluene	43000	2100	ug/kg dry	10	09/06/2013	09/07/2013 15:01	EPA 8270D	D
2,4-Dinitrotoluene	880	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
2,6-Dinitrotoluene	570	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2100	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
3,4-Dinitrotoluene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	11000	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1400	210	ug/kg dry	1	09/06/2013	09/07/2013 07:11	EPA 8270D	
Surrogate: 2,2'-Dinitrophenyl	108 %		60-140		09/06/2013	09/07/2013 07:11	EPA 8270D	
Surrogate: Nitrobenzene-d5	97.6 %		60-140		09/06/2013	09/07/2013 07:11	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	93.9	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C07A1-(0-1)

P133601-43 (Soil)

Date Sampled
08/21/2013 11:37

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	470	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
2,4,6-Trinitrotoluene	1900	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
2,4-Dinitrotoluene	670	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
2,6-Dinitrotoluene	500	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	650	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
3,4-Dinitrotoluene	210	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1200	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 07:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	108 %		60-140		09/06/2013	09/07/2013 07:39	EPA 8270D	
Surrogate: Nitrobenzene-d5	101 %		60-140		09/06/2013	09/07/2013 07:39	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	96.0	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07B2-(0-1)

P133601-44 (Soil)

Date Sampled
08/21/2013 11:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
2,4,6-Trinitrotoluene	1600	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
2,4-Dinitrotoluene	270	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
2-Amino-4,6-dinitrotoluene	320	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
4-Amino-2,6-dinitrotoluene	770	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/06/2013	09/07/2013 08:06	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>106 %</i>		<i>60-140</i>		<i>09/06/2013</i>	<i>09/07/2013 08:06</i>	<i>EPA 8270D</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>99.2 %</i>		<i>60-140</i>		<i>09/06/2013</i>	<i>09/07/2013 08:06</i>	<i>EPA 8270D</i>	

Classical Chemistry Parameters

Preparation Batch: P309004

% Solids	95.6	0.00	% by Weight	1	09/06/2013	09/07/2013 15:41	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07A4-(0-1)

P133601-45 (Soil)

Date Sampled
08/21/2013 11:44

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
2,3-Dinitrotoluene	380	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
2,4,6-Trinitrotoluene	4000	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
2,4-Dinitrotoluene	1600	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
2,6-Dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
2-Amino-4,6-dinitrotoluene	980	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
3,4-Dinitrotoluene	480	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2300	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:14	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	112 %		60-140		09/07/2013	09/07/2013 23:14	EPA 8270D	
Surrogate: Nitrobenzene-d5	96.2 %		60-140		09/07/2013	09/07/2013 23:14	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	95.5	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C07B6-(0-1)

P133601-46 (Soil)

Date Sampled
08/21/2013 11:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
2,3-Dinitrotoluene	1200	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
2,4,6-Trinitrotoluene	8600	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
2,4-Dinitrotoluene	4300	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
2,6-Dinitrotoluene	3300	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
2-Amino-4,6-dinitrotoluene	890	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
3,4-Dinitrotoluene	1600	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
4-Amino-2,6-dinitrotoluene	4300	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:41	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	123 %		60-140		09/07/2013	09/07/2013 23:41	EPA 8270D	
Surrogate: Nitrobenzene-d5	97.8 %		60-140		09/07/2013	09/07/2013 23:41	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	95.4	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C14A6-(0-1)

P133601-47 (Soil)

Date Sampled
08/21/2013 11:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
2,3-Dinitrotoluene	960	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
2,4,6-Trinitrotoluene	5700	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
2,4-Dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
2,6-Dinitrotoluene	1800	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
2-Amino-4,6-dinitrotoluene	520	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
3,4-Dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2800	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:09	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	116 %		60-140		09/07/2013	09/08/2013 00:09	EPA 8270D	
Surrogate: Nitrobenzene-d5	99.6 %		60-140		09/07/2013	09/08/2013 00:09	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	95.4	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05A3-(0-1)

P133601-48 (Soil)

Date Sampled
08/21/2013 10:54

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	220	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	360	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	220	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	530	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
2,3-Dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
2,4,6-Trinitrotoluene	320	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
2,4-Dinitrotoluene	31000	2100	ug/kg dry	10	09/07/2013	09/08/2013 11:51	EPA 8270D	D
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
2,6-Dinitrotoluene	44000	2100	ug/kg dry	10	09/07/2013	09/08/2013 11:51	EPA 8270D	D
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
3,4-Dinitrotoluene	1800	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
3,5-Dinitrotoluene	290	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
4-Amino-2,6-dinitrotoluene	220	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 00:36	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 110 % 60-140 09/07/2013 09/08/2013 00:36 EPA 8270D

Surrogate: Nitrobenzene-d5 98.8 % 60-140 09/07/2013 09/08/2013 00:36 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	95.3	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14A5-(0-1)

P133601-49 (Soil)

Date Sampled
08/21/2013 11:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,3,5-Trinitrobenzene	210	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
2,3-Dinitrotoluene	2300	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
2,4,6-Trinitrotoluene	6200	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
2,4-Dinitrotoluene	4500	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
2,5-Dinitrotoluene	330	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
2,6-Dinitrotoluene	4100	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	570	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
3,4-Dinitrotoluene	3500	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
3,5-Dinitrotoluene	250	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	3400	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:04	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 114 % 60-140 09/07/2013 09/08/2013 01:04 EPA 8270D

Surrogate: Nitrobenzene-d5 97.1 % 60-140 09/07/2013 09/08/2013 01:04 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	95.5	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C14A3-(0-1)

P133601-50 (Soil)

Date Sampled
08/21/2013 11:59

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
2,3-Dinitrotoluene	220	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
2,4,6-Trinitrotoluene	8200	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
2,4-Dinitrotoluene	4400	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
2,6-Dinitrotoluene	400	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	490	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
3,4-Dinitrotoluene	240	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1100	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 01:31	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>115 %</i>	<i>60-140</i>			<i>09/07/2013</i>	<i>09/08/2013 01:31</i>	<i>EPA 8270D</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>95.3 %</i>	<i>60-140</i>			<i>09/07/2013</i>	<i>09/08/2013 01:31</i>	<i>EPA 8270D</i>	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.1	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B1-(0-1)

P133601-51 (Soil)

Date Sampled
08/22/2013 09:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
2,4,6-Trinitrotoluene	1600	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
2,4-Dinitrotoluene	210	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
2,6-Dinitrotoluene	240	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	280	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	890	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:21	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>		107 %	60-140		09/07/2013	09/08/2013 03:21	EPA 8270D	
<i>Surrogate: Nitrobenzene-d5</i>		99.5 %	60-140		09/07/2013	09/08/2013 03:21	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309011

% Solids	97.2	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B2-(0-1)

P133601-52 (Soil)

Date Sampled
08/22/2013 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
2,3-Dinitrotoluene	310	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
2,4,6-Trinitrotoluene	2500	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
2,4-Dinitrotoluene	380	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
2,6-Dinitrotoluene	330	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
2-Amino-4,6-dinitrotoluene	420	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
3,4-Dinitrotoluene	430	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1700	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 03:49	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	112 %		60-140		09/07/2013	09/08/2013 03:49	EPA 8270D	
Surrogate: Nitrobenzene-d5	97.7 %		60-140		09/07/2013	09/08/2013 03:49	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309011

% Solids	97.5	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	
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URS Corporation
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B4-(0-1)

P133601-53 (Soil)

Date Sampled
08/22/2013 09:16

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,3,5-Trinitrobenzene	360	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	320	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
2,3-Dinitrotoluene	9900	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
2,4,6-Trinitrotoluene	15000	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
2,4-Dinitrotoluene	740	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
2,5-Dinitrotoluene	620	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
2,6-Dinitrotoluene	2100	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
3,4-Dinitrotoluene	17000	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
3,5-Dinitroaniline	250	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
3,5-Dinitrotoluene	990	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	3200	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:17	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 119 % 60-140 09/07/2013 09/08/2013 04:17 EPA 8270D

Surrogate: Nitrobenzene-d5 98.5 % 60-140 09/07/2013 09/08/2013 04:17 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.2	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B4-DUP-(0-1)

P133601-54 (Soil)

Date Sampled
08/22/2013 09:16

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,3,5-Trinitrobenzene	360	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	320	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
2,3-Dinitrotoluene	9400	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
2,4,6-Trinitrotoluene	18000	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
2,4-Dinitrotoluene	720	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
2,5-Dinitrotoluene	590	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
2,6-Dinitrotoluene	6500	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1100	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
3,4-Dinitrotoluene	16000	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
3,5-Dinitroaniline	220	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
3,5-Dinitrotoluene	960	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	3100	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 04:44	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl 107 % 60-140 09/07/2013 09/08/2013 04:44 EPA 8270D

Surrogate: Nitrobenzene-d5 97.3 % 60-140 09/07/2013 09/08/2013 04:44 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.4	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B5-(0-1)

P133601-57 (Soil)

Date Sampled
08/22/2013 09:22

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,3,5-Trinitrobenzene	370	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	280	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
2,3-Dinitrotoluene	12000	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
2,4,6-Trinitrotoluene	15000	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
2,4-Dinitrotoluene	930	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
2,5-Dinitrotoluene	680	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
2,6-Dinitrotoluene	3200	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	960	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
3,4-Dinitrotoluene	20000	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
3,5-Dinitroaniline	210	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
3,5-Dinitrotoluene	1100	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2900	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:12	EPA 8270D	

Surrogate: 2,2'-Dinitrophenyl

111 % 60-140

09/07/2013

09/08/2013 05:12

EPA 8270D

Surrogate: Nitrobenzene-d5

97.4 % 60-140

09/07/2013

09/08/2013 05:12

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.1	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B6-(0-1)

P133601-58 (Soil)

Date Sampled
08/22/2013 09:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
2,3-Dinitrotoluene	3800	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
2,4,6-Trinitrotoluene	3200	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
2,4-Dinitrotoluene	230	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
2,6-Dinitrotoluene	350	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	440	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
3,4-Dinitrotoluene	6200	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
3,5-Dinitrotoluene	400	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2100	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 05:39	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 104 % 60-140 09/07/2013 09/08/2013 05:39 EPA 8270D

Surrogate: Nitrobenzene-d5 98.2 % 60-140 09/07/2013 09/08/2013 05:39 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.3	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B4-(0-1)

P133601-59 (Soil)

Date Sampled
08/22/2013 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,3,5-Trinitrobenzene	350	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
2,4,6-Trinitrotoluene	54000	2100	ug/kg dry	10	09/07/2013	09/08/2013 12:18	EPA 8270D	D
2,4-Dinitrotoluene	360	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1800	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
3,5-Dinitroaniline	210	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	8200	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	110 %		60-140		09/07/2013	09/08/2013 06:07	EPA 8270D	
Surrogate: Nitrobenzene-d5	95.6 %		60-140		09/07/2013	09/08/2013 06:07	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.1	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B4-DUP-(0-1)

P133601-60 (Soil)

Date Sampled
08/22/2013 09:35

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,3,5-Trinitrobenzene	450	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
2,4,6-Trinitrotoluene	43000	2100	ug/kg dry	10	09/07/2013	09/08/2013 12:46	EPA 8270D	D
2,4-Dinitrotoluene	470	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2100	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
3,5-Dinitroaniline	240	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	9400	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 06:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	111 %		60-140		09/07/2013	09/08/2013 06:35	EPA 8270D	
Surrogate: Nitrobenzene-d5	99.5 %		60-140		09/07/2013	09/08/2013 06:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	95.4	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A4-(0-1)

P133601-61 (Soil)

Date Sampled
08/22/2013 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,3,5-Trinitrobenzene	210	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
2,3-Dinitrotoluene	270	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
2,4,6-Trinitrotoluene	8800	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
2,4-Dinitrotoluene	810	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
2,6-Dinitrotoluene	610	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1200	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
3,4-Dinitrotoluene	300	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	5900	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	230	210	ug/kg dry	1	09/07/2013	09/08/2013 07:02	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	109 %		60-140		09/07/2013	09/08/2013 07:02	EPA 8270D	
Surrogate: Nitrobenzene-d5	98.8 %		60-140		09/07/2013	09/08/2013 07:02	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.2	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A3-(0-1)

P133601-62 (Soil)

Date Sampled
08/22/2013 09:44

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
2,3-Dinitrotoluene	290	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
2,4,6-Trinitrotoluene	10000	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
2,4-Dinitrotoluene	530	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
2,6-Dinitrotoluene	510	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
2-Amino-4,6-dinitrotoluene	630	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
3,4-Dinitrotoluene	380	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
4-Amino-2,6-dinitrotoluene	3600	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 07:30	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	109 %		60-140		09/07/2013	09/08/2013 07:30	EPA 8270D	
Surrogate: Nitrobenzene-d5	96.3 %		60-140		09/07/2013	09/08/2013 07:30	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.3	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B3-(0-1)

P133601-63 (Soil)

Date Sampled
08/22/2013 09:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
2,4,6-Trinitrotoluene	17000	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
2,4-Dinitrotoluene	250	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	940	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	8000	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:20	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>105 %</i>		<i>60-140</i>		<i>09/07/2013</i>	<i>09/08/2013 09:20</i>	<i>EPA 8270D</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>94.6 %</i>		<i>60-140</i>		<i>09/07/2013</i>	<i>09/08/2013 09:20</i>	<i>EPA 8270D</i>	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.0	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B2-(0-1)

P133601-64 (Soil)

Date Sampled
08/22/2013 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
2,4,6-Trinitrotoluene	7700	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
2,4-Dinitrotoluene	230	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	790	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	6100	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 09:48	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>108 %</i>		<i>60-140</i>		<i>09/07/2013</i>	<i>09/08/2013 09:48</i>	<i>EPA 8270D</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>99.5 %</i>		<i>60-140</i>		<i>09/07/2013</i>	<i>09/08/2013 09:48</i>	<i>EPA 8270D</i>	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.1	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A2-(0-1)

P133601-65 (Soil)

Date Sampled
08/22/2013 09:54

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
2,3-Dinitrotoluene	280	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
2,4,6-Trinitrotoluene	56000	2100	ug/kg dry	10	09/07/2013	09/08/2013 15:56	EPA 8270D	D
2,4-Dinitrotoluene	260	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
2-Amino-4,6-dinitrotoluene	540	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
3,4-Dinitrotoluene	370	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
4-Amino-2,6-dinitrotoluene	3200	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:15	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	106 %		60-140		09/07/2013	09/08/2013 10:15	EPA 8270D	
Surrogate: Nitrobenzene-d5	98.4 %		60-140		09/07/2013	09/08/2013 10:15	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.4	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A1-(0-1)

P133601-66 (Soil)

Date Sampled
08/22/2013 09:57

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
2,3-Dinitrotoluene	1200	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
2,4,6-Trinitrotoluene	5700	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
2-Amino-4,6-dinitrotoluene	400	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
3,4-Dinitrotoluene	1500	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2500	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/08/2013 10:42	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>103 %</i>		<i>60-140</i>		<i>09/07/2013</i>	<i>09/08/2013 10:42</i>	<i>EPA 8270D</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>98.6 %</i>		<i>60-140</i>		<i>09/07/2013</i>	<i>09/08/2013 10:42</i>	<i>EPA 8270D</i>	

Classical Chemistry Parameters

Preparation Batch: P309005

% Solids	96.4	0.00	% by Weight	1	09/07/2013	09/08/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B1-(0-1)

P133601-67 (Soil)

Date Sampled
08/22/2013 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
2,3-Dinitrotoluene	300	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
2,4,6-Trinitrotoluene	18000	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
2,4-Dinitrotoluene	380	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
2,6-Dinitrotoluene	260	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
2-Amino-4,6-dinitrotoluene	750	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
3,4-Dinitrotoluene	300	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
4-Amino-2,6-dinitrotoluene	4700	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:28	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	117 %		60-140		09/07/2013	09/07/2013 20:28	EPA 8270D	
Surrogate: Nitrobenzene-d5	112 %		60-140		09/07/2013	09/07/2013 20:28	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309006

% Solids	96.0	0.00	% by Weight	1	09/07/2013	09/08/2013 14:33	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B1-(0-1)

P133601-68 (Soil)

Date Sampled
08/22/2013 16:16

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309008

1,2-Dimethyl-3,4-Dinitrobenzene	18000	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	7300	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	4900	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	7000	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	33000	4200	ug/kg dry	20	09/07/2013	09/08/2013 13:13	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	38000	4200	ug/kg dry	20	09/07/2013	09/08/2013 13:13	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	2800	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	16000	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	1900	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	100000	4200	ug/kg dry	20	09/07/2013	09/08/2013 13:13	EPA 8270D	D
2,3-Dinitrotoluene	2200	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
2,4,6-Trinitrotoluene	1700	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
2,4-Dinitrotoluene	940	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
2,6-Dinitrotoluene	450	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
2-Amino-4,6-dinitrotoluene	690	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
3,4-Dinitrotoluene	2600	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
3,5-Dinitrotoluene	310	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1700	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1700	210	ug/kg dry	1	09/07/2013	09/07/2013 20:55	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	123 %	60-140			09/07/2013	09/07/2013 20:55	EPA 8270D	
Surrogate: Nitrobenzene-d5	100 %	60-140			09/07/2013	09/07/2013 20:55	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309006

% Solids	94.7	0.00	% by Weight	1	09/07/2013	09/08/2013 14:33	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B2-(0-1)

P133601-69 (Soil)

Date Sampled
08/22/2013 16:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309008

1,2-Dimethyl-3,4-Dinitrobenzene	49000	8400	ug/kg dry	40	09/07/2013	09/08/2013 14:34	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	41000	8400	ug/kg dry	40	09/07/2013	09/08/2013 14:34	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	10000	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	16000	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	75000	8400	ug/kg dry	40	09/07/2013	09/08/2013 14:34	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	280	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	77000	8400	ug/kg dry	40	09/07/2013	09/08/2013 14:34	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	9800	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	37000	8400	ug/kg dry	40	09/07/2013	09/08/2013 14:34	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	4500	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	210000	8400	ug/kg dry	40	09/07/2013	09/08/2013 14:34	EPA 8270D	D
2,3-Dinitrotoluene	7000	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
2,4,6-Trinitrotoluene	8300	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
2,4-Dinitrotoluene	1600	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
2,6-Dinitrotoluene	1100	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2500	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
3,4-Dinitrotoluene	9800	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
3,5-Dinitroaniline	320	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
3,5-Dinitrotoluene	880	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2300	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	5400	210	ug/kg dry	1	09/07/2013	09/07/2013 21:22	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

122 % 60-140

09/07/2013

09/07/2013 21:22

EPA 8270D

Surrogate: Nitrobenzene-d5

101 % 60-140

09/07/2013

09/07/2013 21:22

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309006

% Solids	95.4	0.00	% by Weight	1	09/07/2013	09/08/2013 14:33	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B3-(0-1)

P133601-70 (Soil)

Date Sampled
08/22/2013 16:23

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309008

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	58000	8500	ug/kg dry	40	09/07/2013	09/08/2013 15:02	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	50000	8500	ug/kg dry	40	09/07/2013	09/08/2013 15:02	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	12000	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	17000	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	86000	8500	ug/kg dry	40	09/07/2013	09/08/2013 15:02	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	320	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	86000	8500	ug/kg dry	40	09/07/2013	09/08/2013 15:02	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	10000	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	44000	8500	ug/kg dry	40	09/07/2013	09/08/2013 15:02	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	5100	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	240000	8500	ug/kg dry	40	09/07/2013	09/08/2013 15:02	EPA 8270D	D
2,3-Dinitrotoluene	6100	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
2,4,6-Trinitrotoluene	9500	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
2,4-Dinitrotoluene	1900	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
2,6-Dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2700	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
3,4-Dinitrotoluene	8200	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
3,5-Dinitroaniline	300	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
3,5-Dinitrotoluene	750	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2600	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	5200	210	ug/kg dry	1	09/07/2013	09/07/2013 21:49	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

121 % 60-140

09/07/2013

09/07/2013 21:49

EPA 8270D

Surrogate: Nitrobenzene-d5

103 % 60-140

09/07/2013

09/07/2013 21:49

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309006

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	94.0	0.00	% by Weight	1	09/07/2013	09/08/2013 14:33	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B4-(0-1)

P133601-71 (Soil)

Date Sampled
08/22/2013 16:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309008

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	52000	8400	ug/kg dry	40	09/07/2013	09/08/2013 15:29	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	40000	8400	ug/kg dry	40	09/07/2013	09/08/2013 15:29	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	11000	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	15000	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	73000	8400	ug/kg dry	40	09/07/2013	09/08/2013 15:29	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	270	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	73000	8400	ug/kg dry	40	09/07/2013	09/08/2013 15:29	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	9000	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	37000	8400	ug/kg dry	40	09/07/2013	09/08/2013 15:29	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	4500	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	210000	8400	ug/kg dry	40	09/07/2013	09/08/2013 15:29	EPA 8270D	D
2,3-Dinitrotoluene	5900	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
2,4,6-Trinitrotoluene	9500	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
2,4-Dinitrotoluene	1800	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
2,6-Dinitrotoluene	1200	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2400	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
3,4-Dinitrotoluene	8100	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
3,5-Dinitroaniline	300	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
3,5-Dinitrotoluene	730	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2500	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	4400	210	ug/kg dry	1	09/07/2013	09/07/2013 22:17	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

117 % 60-140

09/07/2013

09/07/2013 22:17

EPA 8270D

Surrogate: Nitrobenzene-d5

101 % 60-140

09/07/2013

09/07/2013 22:17

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309006

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	94.8	0.00	% by Weight	1	09/07/2013	09/08/2013 14:33	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A1-(0-1)

P133601-72 (Soil)

Date Sampled
08/22/2013 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309008

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	27000	4200	ug/kg dry	20	09/07/2013	09/08/2013 13:40	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	8700	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	5400	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	8600	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	37000	4200	ug/kg dry	20	09/07/2013	09/08/2013 13:40	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	49000	4200	ug/kg dry	20	09/07/2013	09/08/2013 13:40	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	3400	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	18000	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	2500	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	120000	4200	ug/kg dry	20	09/07/2013	09/08/2013 13:40	EPA 8270D	D
2,3-Dinitrotoluene	2700	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
2,4,6-Trinitrotoluene	2000	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
2,4-Dinitrotoluene	1000	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
2,6-Dinitrotoluene	710	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	810	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
3,4-Dinitrotoluene	3300	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
3,5-Dinitrotoluene	360	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1800	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	2000	210	ug/kg dry	1	09/07/2013	09/07/2013 22:44	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	124 %	60-140			09/07/2013	09/07/2013 22:44	EPA 8270D	
Surrogate: Nitrobenzene-d5	99.7 %	60-140			09/07/2013	09/07/2013 22:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309006

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.6	0.00	% by Weight	1	09/07/2013	09/08/2013 14:33	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A2-(0-1)

P133601-73 (Soil)

Date Sampled
08/22/2013 16:33

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309008

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	25000	4200	ug/kg dry	20	09/07/2013	09/08/2013 14:07	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	12000	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	5600	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	8500	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	37000	4200	ug/kg dry	20	09/07/2013	09/08/2013 14:07	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	44000	4200	ug/kg dry	20	09/07/2013	09/08/2013 14:07	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	3700	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	18000	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	2500	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	120000	4200	ug/kg dry	20	09/07/2013	09/08/2013 14:07	EPA 8270D	D
2,3-Dinitrotoluene	2900	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
2,4,6-Trinitrotoluene	53000	4200	ug/kg dry	20	09/07/2013	09/08/2013 14:07	EPA 8270D	D
2,4-Dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
2,6-Dinitrotoluene	850	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1300	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
3,4-Dinitrotoluene	3500	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
3,5-Dinitrotoluene	370	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2000	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/07/2013	09/07/2013 23:11	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	29000	4200	ug/kg dry	20	09/07/2013	09/07/2013 23:11	EPA 8270D	D

Surrogate: 2,2'-Dinitrobiphenyl

125 %

60-140

09/07/2013

09/07/2013 23:11

EPA 8270D

Surrogate: Nitrobenzene-d5

101 %

60-140

09/07/2013

09/07/2013 23:11

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309006

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.7	0.00	% by Weight	1	09/07/2013	09/08/2013 14:33	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A3-(0-1)

P133601-74 (Soil)

Date Sampled
08/22/2013 16:37

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	51000	8500	ug/kg dry	40	09/08/2013	09/09/2013 11:46	EPA 8270D	D
1,2-Dimethyl-3,5-Dinitrobenzene	36000	8500	ug/kg dry	40	09/08/2013	09/09/2013 11:46	EPA 8270D	D
1,2-Dimethyl-3,6-Dinitrobenzene	10000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	14000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	69000	8500	ug/kg dry	40	09/08/2013	09/09/2013 11:46	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	310	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	78000	8500	ug/kg dry	40	09/08/2013	09/09/2013 11:46	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	9300	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	35000	8500	ug/kg dry	40	09/08/2013	09/09/2013 11:46	EPA 8270D	D
1,5-Dimethyl-2,3-Dinitrobenzene	4100	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	210000	8500	ug/kg dry	40	09/08/2013	09/09/2013 11:46	EPA 8270D	D
2,3-Dinitrotoluene	6500	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
2,4,6-Trinitrotoluene	5000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
2,4-Dinitrotoluene	2000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
2,6-Dinitrotoluene	990	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2100	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
3,4-Dinitrotoluene	8700	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
3,5-Dinitroaniline	340	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
3,5-Dinitrotoluene	800	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2500	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	15000	8500	ug/kg dry	40	09/08/2013	09/09/2013 11:46	EPA 8270D	D

Surrogate: 2,2'-Dinitrobiphenyl

125 % 60-140

09/08/2013

09/08/2013 19:07

EPA 8270D

Surrogate: Nitrobenzene-d5

97.5 % 60-140

09/08/2013

09/08/2013 19:07

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	93.8	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	



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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A4-(0-1)

P133601-75 (Soil)

Date Sampled
08/22/2013 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	17000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	12000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	4400	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	5800	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	28000	4200	ug/kg dry	20	09/08/2013	09/09/2013 12:13	EPA 8270D	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	32000	4200	ug/kg dry	20	09/08/2013	09/09/2013 12:13	EPA 8270D	D
1,4-Dimethyl-2,5-Dinitrobenzene	3100	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	14000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	1800	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	87000	4200	ug/kg dry	20	09/08/2013	09/09/2013 12:13	EPA 8270D	D
2,3-Dinitrotoluene	2400	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
2,4,6-Trinitrotoluene	14000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
2,4-Dinitrotoluene	1000	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
2,6-Dinitrotoluene	550	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1400	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
3,4-Dinitrotoluene	2900	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
3,5-Dinitroaniline	210	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
3,5-Dinitrotoluene	340	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	2500	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	2400	210	ug/kg dry	1	09/08/2013	09/08/2013 19:35	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl	119 %	60-140			09/08/2013	09/08/2013 19:35	EPA 8270D	
Surrogate: Nitrobenzene-d5	102 %	60-140			09/08/2013	09/08/2013 19:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.8	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A1-(0-1)

P133601-76 (Soil)

Date Sampled
08/22/2013 16:55

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,3,5-Trinitrobenzene	250	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	220	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,3-Dinitrobenzene	320	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	560	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
2,4,6-Trinitrotoluene	780000	10000	ug/kg dry	50	09/08/2013	09/09/2013 20:13	EPA 8270D	D
2,4-Dinitrotoluene	1100	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
2,6-Dinitrotoluene	220	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
2-Amino-4,6-dinitrotoluene	55000	10000	ug/kg dry	50	09/08/2013	09/09/2013 20:13	EPA 8270D	D
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
3,5-Dinitroaniline	400	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
4-Amino-2,6-dinitrotoluene	54000	10000	ug/kg dry	50	09/08/2013	09/09/2013 20:13	EPA 8270D	D
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1200	210	ug/kg dry	1	09/08/2013	09/08/2013 20:03	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 127 % 60-140 09/08/2013 09/08/2013 20:03 EPA 8270D

Surrogate: Nitrobenzene-d5 100 % 60-140 09/08/2013 09/08/2013 20:03 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	96.9	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A2-(0-1)

P133601-77 (Soil)

Date Sampled
08/22/2013 16:59

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
2,4,6-Trinitrotoluene	45000	2100	ug/kg dry	10	09/08/2013	09/09/2013 13:08	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
2-Amino-4,6-dinitrotoluene	6300	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
4-Amino-2,6-dinitrotoluene	13000	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	390	210	ug/kg dry	1	09/08/2013	09/08/2013 20:31	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>		117 %	60-140		09/08/2013	09/08/2013 20:31	EPA 8270D	
<i>Surrogate: Nitrobenzene-d5</i>		102 %	60-140		09/08/2013	09/08/2013 20:31	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	95.4	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A3-(0-1)

P133601-78 (Soil)

Date Sampled
08/22/2013 17:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
2,4,6-Trinitrotoluene	10000	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
2,4-Dinitrotoluene	250	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2600	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
4-Amino-2,6-dinitrotoluene	5800	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 20:58	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>118 %</i>		<i>60-140</i>		<i>09/08/2013</i>	<i>09/08/2013 20:58</i>	<i>EPA 8270D</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>101 %</i>		<i>60-140</i>		<i>09/08/2013</i>	<i>09/08/2013 20:58</i>	<i>EPA 8270D</i>	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	97.4	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A4-(0-1)

P133601-79 (Soil)

Date Sampled
08/22/2013 17:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
2,4,6-Trinitrotoluene	12000	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
2-Amino-4,6-dinitrotoluene	3200	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
4-Amino-2,6-dinitrotoluene	6000	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2013	09/08/2013 23:44	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	117 %		60-140		09/08/2013	09/08/2013 23:44	EPA 8270D	
Surrogate: Nitrobenzene-d5	99.4 %		60-140		09/08/2013	09/08/2013 23:44	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	95.8	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B4-(0-1)

P133601-80 (Soil)

Date Sampled
08/22/2013 17:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	230	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
2,4,6-Trinitrotoluene	120000	11000	ug/kg dry	50	09/08/2013	09/09/2013 13:35	EPA 8270D	D
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1300	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1500	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:12	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>		114 %	60-140		09/08/2013	09/09/2013 00:12	EPA 8270D	
<i>Surrogate: Nitrobenzene-d5</i>		99.7 %	60-140		09/08/2013	09/09/2013 00:12	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	93.9	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B1-(0-1)

P133601-81 (Soil)

Date Sampled
08/22/2013 17:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
2,4,6-Trinitrotoluene	9500	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2400	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
4-Amino-2,6-dinitrotoluene	6600	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 00:39	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	120 %		60-140		09/08/2013	09/09/2013 00:39	EPA 8270D	
Surrogate: Nitrobenzene-d5	101 %		60-140		09/08/2013	09/09/2013 00:39	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	95.7	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B3-(0-1)

P133601-82 (Soil)

Date Sampled
08/22/2013 17:13

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
2,4,6-Trinitrotoluene	2300	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1100	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1200	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	115 %		60-140		09/08/2013	09/09/2013 01:07	EPA 8270D	
Surrogate: Nitrobenzene-d5	100 %		60-140		09/08/2013	09/09/2013 01:07	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	95.5	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B2-(0-1)

P133601-83 (Soil)

Date Sampled
08/22/2013 17:16

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	290	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
2,4,6-Trinitrotoluene	14000	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1400	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	3400	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 01:35	EPA 8270D	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>		117 %	60-140		09/08/2013	09/09/2013 01:35	EPA 8270D	
<i>Surrogate: Nitrobenzene-d5</i>		99.6 %	60-140		09/08/2013	09/09/2013 01:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	96.3	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A1-(0-1)

P133601-84 (Soil)

Date Sampled
08/23/2013 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,3-Dinitrobenzene	2400	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	340	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
2,4,6-Trinitrotoluene	410000	200000	ug/kg dry	1000	09/08/2013	09/09/2013 14:02	EPA 8270D	D
2,4-Dinitrotoluene	5100	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
2,6-Dinitrotoluene	420	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
2-Amino-4,6-dinitrotoluene	17000	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
3,5-Dinitroaniline	730	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
3,5-Dinitrotoluene	340	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
4-Amino-2,6-dinitrotoluene	16000	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	3500	200	ug/kg dry	1	09/08/2013	09/09/2013 02:02	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

134 % 60-140

09/08/2013

09/09/2013 02:02

EPA 8270D

Surrogate: Nitrobenzene-d5

101 % 60-140

09/08/2013

09/09/2013 02:02

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	98.0	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A2-(0-1)
P133601-85 (Soil)

Date Sampled
08/23/2013 09:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,3-Dinitrobenzene	4500	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
2,4,6-Trinitrotoluene	810000	210000	ug/kg dry	1000	09/08/2013	09/09/2013 14:30	EPA 8270D	D
2,4-Dinitrotoluene	9400	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
2,5-Dinitrotoluene	270	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
2,6-Dinitrotoluene	630	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
2-Amino-4,6-dinitrotoluene	48000	4300	ug/kg dry	20	09/08/2013	09/09/2013 13:25	EPA 8270D	D
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
3,5-Dinitroaniline	790	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
3,5-Dinitrotoluene	650	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
4-Amino-2,6-dinitrotoluene	62000	4300	ug/kg dry	20	09/08/2013	09/09/2013 13:25	EPA 8270D	D
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	3900	210	ug/kg dry	1	09/08/2013	09/09/2013 02:30	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 101 % 60-140 09/08/2013 09/09/2013 02:30 EPA 8270D

Surrogate: Nitrobenzene-d5 99.6 % 60-140 09/08/2013 09/09/2013 02:30 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	93.9	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A3-(0-1)

P133601-86 (Soil)

Date Sampled
08/23/2013 09:51

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,3-Dinitrobenzene	3600	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
2,4,6-Trinitrotoluene	6400000	210000	ug/kg dry	1000	09/08/2013	09/09/2013 14:57	EPA 8270D	D
2,4-Dinitrotoluene	7000	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
2,6-Dinitrotoluene	460	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
2-Amino-4,6-dinitrotoluene	35000	4100	ug/kg dry	20	09/08/2013	09/09/2013 13:53	EPA 8270D	D
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
3,5-Dinitroaniline	780	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
3,5-Dinitrotoluene	510	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
4-Amino-2,6-dinitrotoluene	41000	4100	ug/kg dry	20	09/08/2013	09/09/2013 13:53	EPA 8270D	D
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	3700	210	ug/kg dry	1	09/08/2013	09/09/2013 02:58	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	148 %		60-140		09/08/2013	09/09/2013 02:58	EPA 8270D	S
Surrogate: Nitrobenzene-d5	101 %		60-140		09/08/2013	09/09/2013 02:58	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	97.0	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A4-(0-1)

P133601-87 (Soil)

Date Sampled
08/23/2013 09:53

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,3-Dinitrobenzene	5800	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
2,4,6-Trinitrotoluene	920000	210000	ug/kg dry	1000	09/08/2013	09/09/2013 15:25	EPA 8270D	D
2,4-Dinitrotoluene	11000	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
2,5-Dinitrotoluene	300	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
2,6-Dinitrotoluene	700	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	45000	4100	ug/kg dry	20	09/08/2013	09/09/2013 03:26	EPA 8270D	D
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
3,5-Dinitroaniline	630	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
3,5-Dinitrotoluene	810	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	52000	4100	ug/kg dry	20	09/08/2013	09/09/2013 14:21	EPA 8270D	D
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	3800	210	ug/kg dry	1	09/08/2013	09/09/2013 03:26	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

99.8 %

60-140

09/08/2013

09/09/2013 03:26

EPA 8270D

Surrogate: Nitrobenzene-d5

104 %

60-140

09/08/2013

09/09/2013 03:26

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	97.2	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B1-(0-1)

P133601-88 (Soil)

Date Sampled
08/23/2013 09:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,3-Dinitrobenzene	4500	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
2,4,6-Trinitrotoluene	7400000	200000	ug/kg dry	1000	09/08/2013	09/09/2013 15:52	EPA 8270D	D
2,4-Dinitrotoluene	8900	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
2,5-Dinitrotoluene	270	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
2,6-Dinitrotoluene	1300	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	57000	4100	ug/kg dry	20	09/08/2013	09/09/2013 14:49	EPA 8270D	D
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
3,5-Dinitroaniline	830	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
3,5-Dinitrotoluene	640	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	65000	4100	ug/kg dry	20	09/08/2013	09/09/2013 14:49	EPA 8270D	D
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	3200	200	ug/kg dry	1	09/08/2013	09/09/2013 03:53	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 90.7 % 60-140 09/08/2013 09/09/2013 03:53 EPA 8270D

Surrogate: Nitrobenzene-d5 100 % 60-140 09/08/2013 09/09/2013 03:53 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	98.3	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B2-(0-1)

P133601-89 (Soil)

Date Sampled
08/23/2013 09:58

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,3-Dinitrobenzene	4100	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
2,4,6-Trinitrotoluene	710000	210000	ug/kg dry	1000	09/08/2013	09/09/2013 17:55	EPA 8270D	D
2,4-Dinitrotoluene	7900	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
2,5-Dinitrotoluene	270	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
2,6-Dinitrotoluene	940	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
2-Amino-4,6-dinitrotoluene	17000	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
3,5-Dinitroaniline	680	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
3,5-Dinitrotoluene	550	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
4-Amino-2,6-dinitrotoluene	19000	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	3100	210	ug/kg dry	1	09/08/2013	09/09/2013 04:21	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 93.2 % 60-140 09/08/2013 09/09/2013 04:21 EPA 8270D

Surrogate: Nitrobenzene-d5 102 % 60-140 09/08/2013 09/09/2013 04:21 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	97.3	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B3-(0-1)

P133601-90 (Soil)

Date Sampled
08/23/2013 10:01

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,3,5-Trinitrobenzene	220	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,3-Dinitrobenzene	4400	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
2,4,6-Trinitrotoluene	5300000	200000	ug/kg dry	1000	09/08/2013	09/09/2013 18:23	EPA 8270D	D
2,4-Dinitrotoluene	7300	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
2,5-Dinitrotoluene	260	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
2,6-Dinitrotoluene	1300	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2100	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
3,5-Dinitroaniline	1100	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
3,5-Dinitrotoluene	480	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
4-Amino-2,6-dinitrotoluene	15000	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	4700	200	ug/kg dry	1	09/08/2013	09/09/2013 06:12	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 149 % 60-140 09/08/2013 09/09/2013 06:12 EPA 8270D S

Surrogate: Nitrobenzene-d5 104 % 60-140 09/08/2013 09/09/2013 06:12 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	98.3	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B4-(0-1)

P133601-91 (Soil)

Date Sampled
08/23/2013 10:03

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,3-Dinitrobenzene	4500	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
2,4,6-Trinitrotoluene	5300000	210000	ug/kg dry	1000	09/08/2013	09/09/2013 18:50	EPA 8270D	D
2,4-Dinitrotoluene	8100	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
2,5-Dinitrotoluene	280	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
2,6-Dinitrotoluene	2800	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
2-Amino-4,6-dinitrotoluene	33000	4100	ug/kg dry	20	09/08/2013	09/09/2013 15:16	EPA 8270D	D
2-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
3,5-Dinitroaniline	960	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
3,5-Dinitrotoluene	500	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
3-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
4-Amino-2,6-dinitrotoluene	27000	4100	ug/kg dry	20	09/08/2013	09/09/2013 06:40	EPA 8270D	D
4-Nitrotoluene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
Nitrobenzene	ND	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	6900	210	ug/kg dry	1	09/08/2013	09/09/2013 06:40	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 146 % 60-140 09/08/2013 09/09/2013 06:40 EPA 8270D S

Surrogate: Nitrobenzene-d5 101 % 60-140 09/08/2013 09/09/2013 06:40 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	97.1	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B4-(0-1)

P133601-92 (Soil)

Date Sampled
08/23/2013 10:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,3,5-Trinitrobenzene	520	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
2,4,6-Trinitrotoluene	130000	10000	ug/kg dry	50	09/08/2013	09/09/2013 19:18	EPA 8270D	D
2,4-Dinitrotoluene	340	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2700	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
3,5-Dinitroaniline	270	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
4-Amino-2,6-dinitrotoluene	10000	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	290	200	ug/kg dry	1	09/08/2013	09/09/2013 07:08	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	127 %		60-140		09/08/2013	09/09/2013 07:08	EPA 8270D	
Surrogate: Nitrobenzene-d5	101 %		60-140		09/08/2013	09/09/2013 07:08	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	99.0	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B3-(0-1)

P133601-93 (Soil)

Date Sampled
08/23/2013 10:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309009

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,3,5-Trinitrobenzene	620	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
2,4,6-Trinitrotoluene	210000	10000	ug/kg dry	50	09/08/2013	09/09/2013 19:45	EPA 8270D	D
2,4-Dinitrotoluene	400	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2100	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
3,5-Dinitroaniline	290	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
4-Amino-2,6-dinitrotoluene	9800	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	220	200	ug/kg dry	1	09/08/2013	09/09/2013 07:35	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	126 %		60-140		09/08/2013	09/09/2013 07:35	EPA 8270D	
Surrogate: Nitrobenzene-d5	102 %		60-140		09/08/2013	09/09/2013 07:35	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309010

% Solids	98.6	0.00	% by Weight	1	09/08/2013	09/09/2013 14:26	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B2-(0-1)

P133601-94 (Soil)

Date Sampled
08/23/2013 10:49

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309012

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	330	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	260	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	460	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	490	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	240	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	2600	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
2,3-Dinitrotoluene	260	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
2,4,6-Trinitrotoluene	43000	2000	ug/kg dry	10	09/08/2013	09/09/2013 15:44	EPA 8270D	D
2,4-Dinitrotoluene	260	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1100	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
4-Amino-2,6-dinitrotoluene	7300	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:32	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 130 % 60-140 09/08/2013 09/08/2013 19:32 EPA 8270D

Surrogate: Nitrobenzene-d5 106 % 60-140 09/08/2013 09/08/2013 19:32 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309011

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	99.3	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B1-(0-1)

P133601-95 (Soil)

Date Sampled
08/23/2013 10:51

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309012

1,2-Dimethyl-3,4-Dinitrobenzene	430	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	410	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,3,5-Trinitrobenzene	200	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	950	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	720	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	400	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	2300	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
2,4,6-Trinitrotoluene	61000	4000	ug/kg dry	20	09/08/2013	09/09/2013 16:13	EPA 8270D	D
2,4-Dinitrotoluene	240	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1600	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
4-Amino-2,6-dinitrotoluene	8400	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	630	200	ug/kg dry	1	09/08/2013	09/08/2013 19:59	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 138 % 60-140 09/08/2013 09/08/2013 19:59 EPA 8270D

Surrogate: Nitrobenzene-d5 105 % 60-140 09/08/2013 09/08/2013 19:59 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309011

% Solids	98.8	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A4-(0-1)

P133601-96 (Soil)

Date Sampled
08/23/2013 10:54

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309012

1,2-Dimethyl-3,4-Dinitrobenzene	16000	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,3,5-Trinitrobenzene	490	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	320	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
2,4,6-Trinitrotoluene	300000	10000	ug/kg dry	50	09/08/2013	09/09/2013 16:41	EPA 8270D	D
2,4-Dinitrotoluene	760	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
2,6-Dinitrotoluene	200	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	3000	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
3,5-Dinitroaniline	240	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	11000	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	490	200	ug/kg dry	1	09/08/2013	09/08/2013 20:26	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl 131 % 60-140 09/08/2013 09/08/2013 20:26 EPA 8270D

Surrogate: Nitrobenzene-d5 111 % 60-140 09/08/2013 09/08/2013 20:26 EPA 8270D

Classical Chemistry Parameters

Preparation Batch: P309011

% Solids	98.5	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A3-(0-1)

P133601-97 (Soil)

Date Sampled
08/23/2013 10:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,3,5-Trinitrobenzene	430	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
2,4,6-Trinitrotoluene	220000	10000	ug/kg dry	50	09/08/2013	09/09/2013 17:10	EPA 8270D	D
2,4-Dinitrotoluene	680	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
2-Amino-4,6-dinitrotoluene	2400	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
4-Amino-2,6-dinitrotoluene	11000	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	290	200	ug/kg dry	1	09/08/2013	09/08/2013 20:53	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	138 %		60-140		09/08/2013	09/08/2013 20:53	EPA 8270D	
Surrogate: Nitrobenzene-d5	108 %		60-140		09/08/2013	09/08/2013 20:53	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309011

% Solids	97.8	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A2-(0-1)

P133601-98 (Soil)

Date Sampled
08/23/2013 10:58

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,3,5-Trinitrobenzene	360	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
2,4,6-Trinitrotoluene	77000	4100	ug/kg dry	20	09/08/2013	09/09/2013 17:39	EPA 8270D	D
2,4-Dinitrotoluene	450	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1600	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
4-Amino-2,6-dinitrotoluene	9400	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	660	200	ug/kg dry	1	09/08/2013	09/08/2013 21:20	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	137 %		60-140		09/08/2013	09/08/2013 21:20	EPA 8270D	
Surrogate: Nitrobenzene-d5	109 %		60-140		09/08/2013	09/08/2013 21:20	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309011

% Solids	98.7	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A1-(0-1)

P133601-99 (Soil)

Date Sampled
08/23/2013 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P309012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,3,5-Trinitrobenzene	410	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
2,4,6-Trinitrotoluene	130000	10000	ug/kg dry	50	09/08/2013	09/09/2013 18:07	EPA 8270D	D
2,4-Dinitrotoluene	2200	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1900	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	9400	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	580	200	ug/kg dry	1	09/08/2013	09/08/2013 21:48	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl	135 %		60-140		09/08/2013	09/08/2013 21:48	EPA 8270D	
Surrogate: Nitrobenzene-d5	108 %		60-140		09/08/2013	09/08/2013 21:48	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: P309011

% Solids	98.9	0.00	% by Weight	1	09/08/2013	09/09/2013 14:35	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309001 - EPA 3570

Blank (P309001-BLK1)

Prepared: 09/06/2013 Analyzed: 09/06/2013 18:43

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	1560		ug/kg wet	2000		78.1	60-140			
Surrogate: Nitrobenzene-d5	1910		ug/kg wet	2000		95.4	60-140			

LCS (P309001-BS1)

Prepared: 09/06/2013 Analyzed: 09/06/2013 19:11

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg wet	2000		93.6	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	1840	200	ug/kg wet	2000		92.0	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	2000		94.5	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	1880	200	ug/kg wet	2000		94.0	70-130			
1,3,5-Trinitrobenzene	1870	200	ug/kg wet	2000		93.3	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	1830	200	ug/kg wet	2000		91.5	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg wet	2000		93.2	70-130			
1,3-Dinitrobenzene	1800	200	ug/kg wet	2000		90.1	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	1950	200	ug/kg wet	2000		97.5	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg wet	2000		92.9	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	1850	200	ug/kg wet	2000		92.3	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1800	200	ug/kg wet	2000		90.2	70-130			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309001 - EPA 3570

LCS (P309001-BS1)

Prepared: 09/06/2013 Analyzed: 09/06/2013 19:11

1,5-Dimethyl-2,4-Dinitrobenzene	1890	200	ug/kg wet	2000		94.5	70-130			
2,3-Dinitrotoluene	2000	200	ug/kg wet	2000		100	70-130			
2,4,6-Trinitrotoluene	1920	200	ug/kg wet	2000		96.0	70-130			
2,4-Dinitrotoluene	1730	200	ug/kg wet	2000		86.6	70-130			
2,5-Dinitrotoluene	1770	200	ug/kg wet	2000		88.4	70-130			
2,6-Dinitrotoluene	1920	200	ug/kg wet	2000		96.2	70-130			
2-Amino-4,6-dinitrotoluene	1890	200	ug/kg wet	2000		94.7	70-130			
2-Nitrotoluene	1830	200	ug/kg wet	2000		91.4	70-130			
3,4-Dinitrotoluene	1830	200	ug/kg wet	2000		91.7	70-130			
3,5-Dinitroaniline	1820	200	ug/kg wet	2000		91.0	70-130			
3,5-Dinitrotoluene	1850	200	ug/kg wet	2000		92.7	70-130			
3-Nitrotoluene	1760	200	ug/kg wet	2000		87.8	70-130			
4-Amino-2,6-dinitrotoluene	1770	200	ug/kg wet	2000		88.7	70-130			
4-Nitrotoluene	1830	200	ug/kg wet	2000		91.6	70-130			
Nitrobenzene	1830	200	ug/kg wet	2000		91.3	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>97.5</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>4.88</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>10.9</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>0.543</i>	<i>60-140</i>			

Matrix Spike (P309001-MS1)

Source: P133601-11

Prepared: 09/06/2013 Analyzed: 09/07/2013 21:51

1,2-Dimethyl-3,4-Dinitrobenzene	160000	10000	ug/kg dry	2090	180000	NR	70-130			M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	164000	10000	ug/kg dry	2090	174000	NR	70-130			M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	35000	10000	ug/kg dry	2090	36800	NR	70-130			M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	53000	10000	ug/kg dry	2090	59300	NR	70-130			M1, D
1,3,5-Trinitrobenzene	2890	210	ug/kg dry	2090	278	125	70-130			M1
1,3-Dimethyl-2,4-Dinitrobenzene	224000	10000	ug/kg dry	2090	242000	NR	70-130			M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	2900	210	ug/kg dry	2090	907	95.5	70-130			M1
1,3-Dinitrobenzene	2070	210	ug/kg dry	2090	ND	99.1	70-130			M1
1,4-Dimethyl-2,3-Dinitrobenzene	232000	10000	ug/kg dry	2090	267000	NR	70-130			M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	36400	10000	ug/kg dry	2090	37000	NR	70-130			M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	110000	10000	ug/kg dry	2090	113000	NR	70-130			M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	13900	210	ug/kg dry	2090	12400	68.6	70-130			M1
1,5-Dimethyl-2,4-Dinitrobenzene	702000	10000	ug/kg dry	2090	709000	NR	70-130			M1, D
2,3-Dinitrotoluene	2630	210	ug/kg dry	2090	655	94.7	70-130			M1
2,4,6-Trinitrotoluene	44500	10000	ug/kg dry	2090	49400	NR	70-130			M1, D
2,4-Dinitrotoluene	2960	210	ug/kg dry	2090	1020	92.4	70-130			M1
2,5-Dinitrotoluene	2170	210	ug/kg dry	2090	198	94.5	70-130			M1
2,6-Dinitrotoluene	4200	210	ug/kg dry	2090	2200	95.9	70-130			M1
2-Amino-4,6-dinitrotoluene	7470	210	ug/kg dry	2090	6330	54.5	70-130			M1
2-Nitrotoluene	2000	210	ug/kg dry	2090	ND	95.8	70-130			M1
3,4-Dinitrotoluene	2910	210	ug/kg dry	2090	964	93.1	70-130			M1
3,5-Dinitroaniline	2420	210	ug/kg dry	2090	531	90.2	70-130			M1
3,5-Dinitrotoluene	2340	210	ug/kg dry	2090	239	101	70-130			M1
3-Nitrotoluene	1920	210	ug/kg dry	2090	ND	91.8	70-130			M1
4-Amino-2,6-dinitrotoluene	6660	210	ug/kg dry	2090	5570	52.3	70-130			M1



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309001 - EPA 3570

Matrix Spike (P309001-MS1)	Source: P133601-11	Prepared: 09/06/2013	Analyzed: 09/07/2013 02:09							
4-Nitrotoluene	2020	210	ug/kg dry	2090	ND	96.8	70-130			M1
Nitrobenzene	2000	210	ug/kg dry	2090	ND	95.9	70-130			M1
Surrogate: 2,2'-Dinitrobiphenyl	2150		ug/kg dry	2090		103	60-140			
Surrogate: Nitrobenzene-d5	1940		ug/kg dry	2090		92.7	60-140			

Matrix Spike Dup (P309001-MSD1)

Matrix Spike Dup (P309001-MSD1)	Source: P133601-11	Prepared: 09/06/2013	Analyzed: 09/07/2013 16:18							
1,2-Dimethyl-3,4-Dinitrobenzene	171000	10000	ug/kg dry	2090	180000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	175000	10000	ug/kg dry	2090	174000	26.7	70-130	NR	200	M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	36200	10000	ug/kg dry	2090	36800	NR	70-130	NR	200	M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	58200	10000	ug/kg dry	2090	59300	NR	70-130	NR	200	M1, D
1,3,5-Trinitrobenzene	2890	210	ug/kg dry	2090	278	125	70-130	0.0256	200	M1
1,3-Dimethyl-2,4-Dinitrobenzene	227000	10000	ug/kg dry	2090	242000	NR	70-130	NR	200	M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	2680	210	ug/kg dry	2090	907	84.9	70-130	11.8	200	M1
1,3-Dinitrobenzene	2120	210	ug/kg dry	2090	ND	101	70-130	2.28	200	M1
1,4-Dimethyl-2,3-Dinitrobenzene	234000	10000	ug/kg dry	2090	267000	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	37500	10000	ug/kg dry	2090	37000	25.2	70-130	NR	200	M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	111000	10000	ug/kg dry	2090	113000	NR	70-130	NR	200	M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	13800	210	ug/kg dry	2090	12400	64.5	70-130	6.14	200	M1
1,5-Dimethyl-2,4-Dinitrobenzene	705000	10000	ug/kg dry	2090	709000	NR	70-130	NR	200	M1, D
2,3-Dinitrotoluene	2590	210	ug/kg dry	2090	655	92.6	70-130	2.28	200	M1
2,4,6-Trinitrotoluene	49800	10000	ug/kg dry	2090	49400	20.8	70-130	NR	200	M1, D
2,4-Dinitrotoluene	2940	210	ug/kg dry	2090	1020	91.7	70-130	0.740	200	M1
2,5-Dinitrotoluene	2150	210	ug/kg dry	2090	198	93.6	70-130	0.993	200	M1
2,6-Dinitrotoluene	4190	210	ug/kg dry	2090	2200	95.5	70-130	0.358	200	M1
2-Amino-4,6-dinitrotoluene	7480	210	ug/kg dry	2090	6330	54.9	70-130	0.899	200	M1
2-Nitrotoluene	1940	210	ug/kg dry	2090	ND	92.7	70-130	3.33	200	M1
3,4-Dinitrotoluene	2740	210	ug/kg dry	2090	964	85.1	70-130	8.92	200	M1
3,5-Dinitroaniline	2440	210	ug/kg dry	2090	531	91.3	70-130	1.26	200	M1
3,5-Dinitrotoluene	2290	210	ug/kg dry	2090	239	98.3	70-130	2.26	200	M1
3-Nitrotoluene	1890	210	ug/kg dry	2090	ND	90.4	70-130	1.50	200	M1
4-Amino-2,6-dinitrotoluene	6570	210	ug/kg dry	2090	5570	47.9	70-130	8.77	200	M1
4-Nitrotoluene	2000	210	ug/kg dry	2090	ND	95.9	70-130	0.956	200	M1
Nitrobenzene	1900	210	ug/kg dry	2090	ND	90.9	70-130	5.32	200	M1
Surrogate: 2,2'-Dinitrobiphenyl	2170		ug/kg dry	2090		104	60-140			
Surrogate: Nitrobenzene-d5	1870		ug/kg dry	2090		89.5	60-140			

Batch P309002 - EPA 3570

Blank (P309002-BLK1)	Prepared: 09/06/2013	Analyzed: 09/06/2013 18:26
1,2-Dimethyl-3,4-Dinitrobenzene	ND	200 ug/kg wet
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200 ug/kg wet
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200 ug/kg wet
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200 ug/kg wet
1,3,5-Trinitrobenzene	ND	200 ug/kg wet



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309002 - EPA 3570

Blank (P309002-BLK1)

Prepared: 09/06/2013 Analyzed: 09/06/2013 18:26

1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1920</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>95.8</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2020</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>101</i>	<i>60-140</i>			

LCS (P309002-BS1)

Prepared: 09/06/2013 Analyzed: 09/06/2013 18:53

1,2-Dimethyl-3,4-Dinitrobenzene	1510	200	ug/kg wet	2000		75.5	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	1390	200	ug/kg wet	2000		69.4	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	1790	200	ug/kg wet	2000		89.5	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	1480	200	ug/kg wet	2000		73.9	70-130			
1,3,5-Trinitrobenzene	1550	200	ug/kg wet	2000		77.6	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	1670	200	ug/kg wet	2000		83.7	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	1690	200	ug/kg wet	2000		84.3	70-130			
1,3-Dinitrobenzene	1710	200	ug/kg wet	2000		85.4	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	1640	200	ug/kg wet	2000		82.2	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	1700	200	ug/kg wet	2000		85.2	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	1750	200	ug/kg wet	2000		87.7	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1390	200	ug/kg wet	2000		69.5	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	1730	200	ug/kg wet	2000		86.3	70-130			
2,3-Dinitrotoluene	1570	200	ug/kg wet	2000		78.4	70-130			
2,4,6-Trinitrotoluene	1450	200	ug/kg wet	2000		72.5	70-130			
2,4-Dinitrotoluene	1890	200	ug/kg wet	2000		94.7	70-130			
2,5-Dinitrotoluene	1600	200	ug/kg wet	2000		80.0	70-130			



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309002 - EPA 3570

LCS (P309002-BS1)

Prepared: 09/06/2013 Analyzed: 09/06/2013 18:53

2,6-Dinitrotoluene	1720	200	ug/kg wet	2000		85.8	70-130			
2-Amino-4,6-dinitrotoluene	1410	200	ug/kg wet	2000		70.4	70-130			
2-Nitrotoluene	1700	200	ug/kg wet	2000		85.0	70-130			
3,4-Dinitrotoluene	1680	200	ug/kg wet	2000		84.1	70-130			
3,5-Dinitroaniline	1480	200	ug/kg wet	2000		73.9	70-130			
3,5-Dinitrotoluene	1700	200	ug/kg wet	2000		85.2	70-130			
3-Nitrotoluene	1630	200	ug/kg wet	2000		81.5	70-130			
4-Amino-2,6-dinitrotoluene	1380	200	ug/kg wet	2000		68.9	70-130			
4-Nitrotoluene	1760	200	ug/kg wet	2000		88.1	70-130			
Nitrobenzene	1700	200	ug/kg wet	2000		84.8	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1820</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>91.2</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2010</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>100</i>	<i>60-140</i>			

Matrix Spike (P309002-MS1)

Source: P133601-34

Prepared: 09/06/2013 Analyzed: 09/07/2013 08:33

1,2-Dimethyl-3,4-Dinitrobenzene	2010	210	ug/kg dry	2079	ND	96.5	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	2040	210	ug/kg dry	2079	ND	98.1	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2090	210	ug/kg dry	2079	ND	100	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2030	210	ug/kg dry	2079	ND	97.4	70-130			
1,3,5-Trinitrobenzene	2270	210	ug/kg dry	2079	ND	109	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	2240	210	ug/kg dry	2079	218	97.3	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	1940	210	ug/kg dry	2079	ND	93.2	70-130			
1,3-Dinitrobenzene	2000	210	ug/kg dry	2079	ND	96.0	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	2160	210	ug/kg dry	2079	229	92.9	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	2080	210	ug/kg dry	2079	0.00	100	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	2090	210	ug/kg dry	2079	ND	100	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1920	210	ug/kg dry	2079	ND	92.4	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	2560	210	ug/kg dry	2079	477	100	70-130			
2,3-Dinitrotoluene	1980	210	ug/kg dry	2079	70.9	91.7	70-130			
2,4,6-Trinitrotoluene	2190	210	ug/kg dry	2079	186	96.2	70-130			
2,4-Dinitrotoluene	3760	210	ug/kg dry	2079	2040	82.6	70-130			
2,5-Dinitrotoluene	2040	210	ug/kg dry	2079	ND	97.9	70-130			
2,6-Dinitrotoluene	2310	210	ug/kg dry	2079	332	95.3	70-130			
2-Amino-4,6-dinitrotoluene	1840	210	ug/kg dry	2079	ND	88.5	70-130			
2-Nitrotoluene	2180	210	ug/kg dry	2079	ND	105	70-130			
3,4-Dinitrotoluene	1960	210	ug/kg dry	2079	ND	94.4	70-130			
3,5-Dinitroaniline	1840	210	ug/kg dry	2079	ND	88.5	70-130			
3,5-Dinitrotoluene	2050	210	ug/kg dry	2079	ND	98.4	70-130			
3-Nitrotoluene	1970	210	ug/kg dry	2079	ND	94.8	70-130			
4-Amino-2,6-dinitrotoluene	2000	210	ug/kg dry	2079	141	89.3	70-130			
4-Nitrotoluene	2080	210	ug/kg dry	2079	ND	100	70-130			
Nitrobenzene	1900	210	ug/kg dry	2079	ND	91.6	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2090</i>		<i>ug/kg dry</i>	<i>2079</i>		<i>101</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1980</i>		<i>ug/kg dry</i>	<i>2079</i>		<i>95.3</i>	<i>60-140</i>			



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309002 - EPA 3570

Matrix Spike Dup (P309002-MSD1)	Source: P133601-34	Prepared: 09/06/2013	Analyzed: 09/07/2013 09:00					
1,2-Dimethyl-3,4-Dinitrobenzene	2140	210	ug/kg dry 2079	ND	103	70-130	6.24	200
1,2-Dimethyl-3,5-Dinitrobenzene	2170	210	ug/kg dry 2079	ND	104	70-130	6.08	200
1,2-Dimethyl-3,6-Dinitrobenzene	2120	210	ug/kg dry 2079	ND	102	70-130	1.44	200
1,2-Dimethyl-4,5-Dinitrobenzene	2040	210	ug/kg dry 2079	ND	97.9	70-130	0.513	200
1,3,5-Trinitrobenzene	2270	210	ug/kg dry 2079	ND	109	70-130	0.0678	200
1,3-Dimethyl-2,4-Dinitrobenzene	2250	210	ug/kg dry 2079	218	97.9	70-130	0.626	200
1,3-Dimethyl-2,5-Dinitrobenzene	2010	210	ug/kg dry 2079	ND	96.7	70-130	3.62	200
1,3-Dinitrobenzene	2010	210	ug/kg dry 2079	ND	96.5	70-130	0.549	200
1,4-Dimethyl-2,3-Dinitrobenzene	2140	210	ug/kg dry 2079	229	91.8	70-130	1.23	200
1,4-Dimethyl-2,5-Dinitrobenzene	2060	210	ug/kg dry 2079	0.00	99.1	70-130	0.951	200
1,4-Dimethyl-2,6-Dinitrobenzene	2040	210	ug/kg dry 2079	ND	98.3	70-130	2.12	200
1,5-Dimethyl-2,3-Dinitrobenzene	1960	210	ug/kg dry 2079	ND	94.3	70-130	2.06	200
1,5-Dimethyl-2,4-Dinitrobenzene	2630	210	ug/kg dry 2079	477	103	70-130	3.05	200
2,3-Dinitrotoluene	2070	210	ug/kg dry 2079	70.9	96.1	70-130	4.71	200
2,4,6-Trinitrotoluene	2340	210	ug/kg dry 2079	186	103	70-130	7.25	200
2,4-Dinitrotoluene	4070	210	ug/kg dry 2079	2040	97.6	70-130	16.7	200
2,5-Dinitrotoluene	2090	210	ug/kg dry 2079	ND	101	70-130	2.60	200
2,6-Dinitrotoluene	2450	210	ug/kg dry 2079	332	102	70-130	6.48	200
2-Amino-4,6-dinitrotoluene	1950	210	ug/kg dry 2079	ND	93.6	70-130	5.57	200
2-Nitrotoluene	2210	210	ug/kg dry 2079	ND	106	70-130	1.76	200
3,4-Dinitrotoluene	2030	210	ug/kg dry 2079	ND	97.9	70-130	3.63	200
3,5-Dinitroaniline	1830	210	ug/kg dry 2079	ND	88.1	70-130	0.557	200
3,5-Dinitrotoluene	2090	210	ug/kg dry 2079	ND	100	70-130	2.03	200
3-Nitrotoluene	1960	210	ug/kg dry 2079	ND	94.4	70-130	0.375	200
4-Amino-2,6-dinitrotoluene	2030	210	ug/kg dry 2079	141	91.1	70-130	1.98	200
4-Nitrotoluene	2130	210	ug/kg dry 2079	ND	102	70-130	2.35	200
Nitrobenzene	1920	210	ug/kg dry 2079	ND	92.2	70-130	0.697	200
Surrogate: 2,2'-Dinitrobiphenyl	2110		ug/kg dry 2079		101	60-140		
Surrogate: Nitrobenzene-d5	2020		ug/kg dry 2079		97.3	60-140		

Batch P309007 - EPA 3570

Blank (P309007-BLK1)	Prepared: 09/07/2013	Analyzed: 09/07/2013 22:19
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



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Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309007 - EPA 3570

Blank (P309007-BLK1)

Prepared: 09/07/2013 Analyzed: 09/07/2013 22:19

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	1850		ug/kg wet	2000		92.3	60-140			
Surrogate: Nitrobenzene-d5	1950		ug/kg wet	2000		97.6	60-140			

LCS (P309007-BS1)

Prepared: 09/07/2013 Analyzed: 09/07/2013 22:46

1,2-Dimethyl-3,4-Dinitrobenzene	1870	200	ug/kg wet	2000		93.6	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	1860	200	ug/kg wet	2000		92.8	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	1910	200	ug/kg wet	2000		95.4	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	1800	200	ug/kg wet	2000		89.9	70-130			
1,3,5-Trinitrobenzene	1750	200	ug/kg wet	2000		87.5	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	1850	200	ug/kg wet	2000		92.5	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	1860	200	ug/kg wet	2000		92.9	70-130			
1,3-Dinitrobenzene	1780	200	ug/kg wet	2000		89.1	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	1980	200	ug/kg wet	2000		98.9	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	1830	200	ug/kg wet	2000		91.6	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	1860	200	ug/kg wet	2000		93.0	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1870	200	ug/kg wet	2000		93.3	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	1790	200	ug/kg wet	2000		89.3	70-130			
2,3-Dinitrotoluene	1800	200	ug/kg wet	2000		90.1	70-130			
2,4,6-Trinitrotoluene	1850	200	ug/kg wet	2000		92.6	70-130			
2,4-Dinitrotoluene	1870	200	ug/kg wet	2000		93.3	70-130			
2,5-Dinitrotoluene	1800	200	ug/kg wet	2000		89.9	70-130			
2,6-Dinitrotoluene	1890	200	ug/kg wet	2000		94.7	70-130			
2-Amino-4,6-dinitrotoluene	1850	200	ug/kg wet	2000		92.3	70-130			
2-Nitrotoluene	1900	200	ug/kg wet	2000		94.8	70-130			
3,4-Dinitrotoluene	1860	200	ug/kg wet	2000		93.1	70-130			
3,5-Dinitroaniline	1710	200	ug/kg wet	2000		85.6	70-130			
3,5-Dinitrotoluene	1850	200	ug/kg wet	2000		92.5	70-130			



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Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309007 - EPA 3570

LCS (P309007-BS1)

Prepared: 09/07/2013 Analyzed: 09/07/2013 22:46

3-Nitrotoluene	1730	200	ug/kg wet	2000		86.7	70-130			
4-Amino-2,6-dinitrotoluene	1710	200	ug/kg wet	2000		85.3	70-130			
4-Nitrotoluene	1860	200	ug/kg wet	2000		93.0	70-130			
Nitrobenzene	1880	200	ug/kg wet	2000		94.0	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2110</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>105</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1880</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>93.8</i>	<i>60-140</i>			

Matrix Spike (P309007-MS1)

Source: P133601-53

Prepared: 09/07/2013 Analyzed: 09/08/2013 11:10

1,2-Dimethyl-3,4-Dinitrobenzene	2300	210	ug/kg dry	2079	ND	111	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	2480	210	ug/kg dry	2079	ND	119	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2520	210	ug/kg dry	2079	ND	121	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2390	210	ug/kg dry	2079	ND	115	70-130			
1,3,5-Trinitrobenzene	2880	210	ug/kg dry	2079	365	121	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	2480	210	ug/kg dry	2079	142	113	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	2470	210	ug/kg dry	2079	ND	119	70-130			
1,3-Dinitrobenzene	2270	210	ug/kg dry	2079	ND	109	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	2480	210	ug/kg dry	2079	149	112	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	2470	210	ug/kg dry	2079	77.8	115	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	2510	210	ug/kg dry	2079	ND	121	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	2370	210	ug/kg dry	2079	ND	114	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	2750	210	ug/kg dry	2079	320	117	70-130			
2,3-Dinitrotoluene	11000	210	ug/kg dry	2079	9900	52.0	70-130			M1
2,4,6-Trinitrotoluene	15700	210	ug/kg dry	2079	15100	26.4	70-130			M1
2,4-Dinitrotoluene	2300	210	ug/kg dry	2079	745	75.0	70-130			
2,5-Dinitrotoluene	2990	210	ug/kg dry	2079	616	114	70-130			
2,6-Dinitrotoluene	4280	210	ug/kg dry	2079	2130	103	70-130			
2-Amino-4,6-dinitrotoluene	3140	210	ug/kg dry	2079	1250	90.7	70-130			
2-Nitrotoluene	2490	210	ug/kg dry	2079	52.1	117	70-130			
3,4-Dinitrotoluene	16300	210	ug/kg dry	2079	16800	NR	70-130			M1
3,5-Dinitroaniline	2200	210	ug/kg dry	2079	245	93.8	70-130			
3,5-Dinitrotoluene	3330	210	ug/kg dry	2079	994	112	70-130			
3-Nitrotoluene	2350	210	ug/kg dry	2079	ND	113	70-130			
4-Amino-2,6-dinitrotoluene	4610	210	ug/kg dry	2079	3210	67.7	70-130			M1
4-Nitrotoluene	2430	210	ug/kg dry	2079	ND	117	70-130			
Nitrobenzene	2340	210	ug/kg dry	2079	ND	112	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2080</i>		<i>ug/kg dry</i>	<i>2079</i>		<i>100</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1900</i>		<i>ug/kg dry</i>	<i>2079</i>		<i>91.6</i>	<i>60-140</i>			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309007 - EPA 3570

Matrix Spike Dup (P309007-MSD1)	Source: P133601-53	Prepared: 09/07/2013 Analyzed: 09/08/2013 11:37								
1,2-Dimethyl-3,4-Dinitrobenzene	1980	210	ug/kg dry	2079	ND	95.0	70-130	15.3	200	
1,2-Dimethyl-3,5-Dinitrobenzene	2010	210	ug/kg dry	2079	ND	96.7	70-130	21.0	200	
1,2-Dimethyl-3,6-Dinitrobenzene	2050	210	ug/kg dry	2079	ND	98.7	70-130	20.2	200	
1,2-Dimethyl-4,5-Dinitrobenzene	2040	210	ug/kg dry	2079	ND	98.3	70-130	15.8	200	
1,3,5-Trinitrobenzene	2540	210	ug/kg dry	2079	365	105	70-130	14.3	200	
1,3-Dimethyl-2,4-Dinitrobenzene	2030	210	ug/kg dry	2079	142	90.6	70-130	21.6	200	
1,3-Dimethyl-2,5-Dinitrobenzene	1960	210	ug/kg dry	2079	ND	94.0	70-130	23.1	200	
1,3-Dinitrobenzene	1910	210	ug/kg dry	2079	ND	91.9	70-130	17.3	200	
1,4-Dimethyl-2,3-Dinitrobenzene	2060	210	ug/kg dry	2079	149	92.0	70-130	19.7	200	
1,4-Dimethyl-2,5-Dinitrobenzene	1970	210	ug/kg dry	2079	77.8	90.9	70-130	23.5	200	
1,4-Dimethyl-2,6-Dinitrobenzene	2010	210	ug/kg dry	2079	ND	96.5	70-130	22.3	200	
1,5-Dimethyl-2,3-Dinitrobenzene	1980	210	ug/kg dry	2079	ND	95.3	70-130	17.9	200	
1,5-Dimethyl-2,4-Dinitrobenzene	2260	210	ug/kg dry	2079	320	93.2	70-130	22.5	200	
2,3-Dinitrotoluene	10100	210	ug/kg dry	2079	9900	11.1	70-130	130	200	M1
2,4,6-Trinitrotoluene	16200	210	ug/kg dry	2079	15100	52.9	70-130	66.7	200	M1
2,4-Dinitrotoluene	2960	210	ug/kg dry	2079	745	107	70-130	34.9	200	
2,5-Dinitrotoluene	2550	210	ug/kg dry	2079	616	92.8	70-130	20.5	200	
2,6-Dinitrotoluene	4560	210	ug/kg dry	2079	2130	117	70-130	12.3	200	
2-Amino-4,6-dinitrotoluene	2880	210	ug/kg dry	2079	1250	78.1	70-130	14.9	200	
2-Nitrotoluene	1970	210	ug/kg dry	2079	52.1	92.4	70-130	23.6	200	
3,4-Dinitrotoluene	16600	210	ug/kg dry	2079	16800	NR	70-130	NR	200	M1
3,5-Dinitroaniline	1940	210	ug/kg dry	2079	245	81.6	70-130	13.9	200	
3,5-Dinitrotoluene	2890	210	ug/kg dry	2079	994	91.1	70-130	20.9	200	
3-Nitrotoluene	1880	210	ug/kg dry	2079	ND	90.2	70-130	22.4	200	
4-Amino-2,6-dinitrotoluene	4490	210	ug/kg dry	2079	3210	61.5	70-130	9.63	200	M1
4-Nitrotoluene	1970	210	ug/kg dry	2079	ND	94.5	70-130	21.2	200	
Nitrobenzene	1880	210	ug/kg dry	2079	ND	90.5	70-130	21.5	200	
Surrogate: 2,2'-Dinitrobiphenyl	2110		ug/kg dry	2079		102	60-140			
Surrogate: Nitrobenzene-d5	1930		ug/kg dry	2079		92.7	60-140			

Batch P309008 - EPA 3570

Blank (P309008-BLK1)	Prepared: 09/07/2013 Analyzed: 09/07/2013 19:34									
1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							



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 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309008 - EPA 3570

Blank (P309008-BLK1)		Prepared: 09/07/2013 Analyzed: 09/07/2013 19:34								
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	2310		ug/kg wet	2000		115	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	2280		ug/kg wet	2000		114	60-140			

LCS (P309008-BS1)		Prepared: 09/07/2013 Analyzed: 09/07/2013 20:01								
1,2-Dimethyl-3,4-Dinitrobenzene	1800	200	ug/kg wet	2000		89.9	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	1890	200	ug/kg wet	2000		94.7	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2060	200	ug/kg wet	2000		103	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2170	200	ug/kg wet	2000		108	70-130			
1,3,5-Trinitrobenzene	1970	200	ug/kg wet	2000		98.6	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	1960	200	ug/kg wet	2000		97.8	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	1980	200	ug/kg wet	2000		99.1	70-130			
1,3-Dinitrobenzene	1870	200	ug/kg wet	2000		93.7	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	1860	200	ug/kg wet	2000		92.9	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	1970	200	ug/kg wet	2000		98.7	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	1940	200	ug/kg wet	2000		97.1	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1830	200	ug/kg wet	2000		91.5	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	1960	200	ug/kg wet	2000		98.2	70-130			
2,3-Dinitrotoluene	1890	200	ug/kg wet	2000		94.5	70-130			
2,4,6-Trinitrotoluene	1860	200	ug/kg wet	2000		92.9	70-130			
2,4-Dinitrotoluene	2010	200	ug/kg wet	2000		100	70-130			
2,5-Dinitrotoluene	1900	200	ug/kg wet	2000		94.9	70-130			
2,6-Dinitrotoluene	1920	200	ug/kg wet	2000		96.0	70-130			
2-Amino-4,6-dinitrotoluene	1900	200	ug/kg wet	2000		94.9	70-130			
2-Nitrotoluene	2160	200	ug/kg wet	2000		108	70-130			
3,4-Dinitrotoluene	1890	200	ug/kg wet	2000		94.5	70-130			
3,5-Dinitroaniline	1890	200	ug/kg wet	2000		94.3	70-130			
3,5-Dinitrotoluene	1950	200	ug/kg wet	2000		97.5	70-130			



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Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309008 - EPA 3570

LCS (P309008-BS1)

Prepared: 09/07/2013 Analyzed: 09/07/2013 20:01

3-Nitrotoluene	1900	200	ug/kg wet	2000		95.1	70-130			
4-Amino-2,6-dinitrotoluene	1870	200	ug/kg wet	2000		93.4	70-130			
4-Nitrotoluene	2010	200	ug/kg wet	2000		100	70-130			
Nitrobenzene	2060	200	ug/kg wet	2000		103	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2340</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>117</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2150</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>107</i>	<i>60-140</i>			

Matrix Spike (P309008-MS1)

Source: P133601-67

Prepared: 09/07/2013 Analyzed: 09/08/2013 01:26

1,2-Dimethyl-3,4-Dinitrobenzene	1920	210	ug/kg dry	2083	ND	92.4	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	2050	210	ug/kg dry	2083	ND	98.5	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2140	210	ug/kg dry	2083	ND	102	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2310	210	ug/kg dry	2083	ND	111	70-130			
1,3,5-Trinitrobenzene	2290	210	ug/kg dry	2083	ND	110	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	2120	210	ug/kg dry	2083	ND	102	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	2030	210	ug/kg dry	2083	ND	97.6	70-130			
1,3-Dinitrobenzene	1970	210	ug/kg dry	2083	ND	94.4	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	1940	210	ug/kg dry	2083	ND	93.1	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	2090	210	ug/kg dry	2083	0.00	100	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	2030	210	ug/kg dry	2083	ND	97.2	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1980	210	ug/kg dry	2083	ND	95.0	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	2210	210	ug/kg dry	2083	ND	106	70-130			
2,3-Dinitrotoluene	2160	210	ug/kg dry	2083	300	89.5	70-130			
2,4,6-Trinitrotoluene	21300	210	ug/kg dry	2083	18400	141	70-130			M1
2,4-Dinitrotoluene	2320	210	ug/kg dry	2083	383	92.9	70-130			
2,5-Dinitrotoluene	2020	210	ug/kg dry	2083	ND	97.0	70-130			
2,6-Dinitrotoluene	2170	210	ug/kg dry	2083	257	91.7	70-130			
2-Amino-4,6-dinitrotoluene	2600	210	ug/kg dry	2083	745	89.2	70-130			
2-Nitrotoluene	2220	210	ug/kg dry	2083	ND	107	70-130			
3,4-Dinitrotoluene	2160	210	ug/kg dry	2083	299	89.5	70-130			
3,5-Dinitroaniline	1940	210	ug/kg dry	2083	ND	93.1	70-130			
3,5-Dinitrotoluene	2080	210	ug/kg dry	2083	ND	100	70-130			
3-Nitrotoluene	2030	210	ug/kg dry	2083	ND	97.4	70-130			
4-Amino-2,6-dinitrotoluene	6010	210	ug/kg dry	2083	4720	62.2	70-130			M1
4-Nitrotoluene	2150	210	ug/kg dry	2083	ND	103	70-130			
Nitrobenzene	2150	210	ug/kg dry	2083	ND	103	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2280</i>		<i>ug/kg dry</i>	<i>2083</i>		<i>109</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2110</i>		<i>ug/kg dry</i>	<i>2083</i>		<i>101</i>	<i>60-140</i>			



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Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309008 - EPA 3570

Matrix Spike Dup (P309008-MSD1)	Source: P133601-67	Prepared: 09/07/2013 Analyzed: 09/08/2013 01:53								
1,2-Dimethyl-3,4-Dinitrobenzene	2030	210	ug/kg dry	2083	ND	97.7	70-130	5.59	200	
1,2-Dimethyl-3,5-Dinitrobenzene	2050	210	ug/kg dry	2083	ND	98.5	70-130	0.0812	200	
1,2-Dimethyl-3,6-Dinitrobenzene	2120	210	ug/kg dry	2083	ND	102	70-130	0.678	200	
1,2-Dimethyl-4,5-Dinitrobenzene	2290	210	ug/kg dry	2083	ND	110	70-130	1.24	200	
1,3,5-Trinitrobenzene	2320	210	ug/kg dry	2083	ND	112	70-130	1.58	200	
1,3-Dimethyl-2,4-Dinitrobenzene	2130	210	ug/kg dry	2083	ND	102	70-130	0.516	200	
1,3-Dimethyl-2,5-Dinitrobenzene	2080	210	ug/kg dry	2083	ND	99.9	70-130	2.35	200	
1,3-Dinitrobenzene	1950	210	ug/kg dry	2083	ND	93.5	70-130	0.899	200	
1,4-Dimethyl-2,3-Dinitrobenzene	1940	210	ug/kg dry	2083	ND	93.2	70-130	0.0505	200	
1,4-Dimethyl-2,5-Dinitrobenzene	2090	210	ug/kg dry	2083	0.00	100	70-130	0.243	200	
1,4-Dimethyl-2,6-Dinitrobenzene	2100	210	ug/kg dry	2083	ND	101	70-130	3.71	200	
1,5-Dimethyl-2,3-Dinitrobenzene	2030	210	ug/kg dry	2083	ND	97.6	70-130	2.73	200	
1,5-Dimethyl-2,4-Dinitrobenzene	2210	210	ug/kg dry	2083	ND	106	70-130	0.379	200	
2,3-Dinitrotoluene	2230	210	ug/kg dry	2083	300	92.6	70-130	3.37	200	
2,4,6-Trinitrotoluene	19900	210	ug/kg dry	2083	18400	72.0	70-130	64.6	200	
2,4-Dinitrotoluene	2360	210	ug/kg dry	2083	383	95.0	70-130	2.17	200	
2,5-Dinitrotoluene	2120	210	ug/kg dry	2083	ND	102	70-130	4.86	200	
2,6-Dinitrotoluene	2180	210	ug/kg dry	2083	257	92.4	70-130	0.768	200	
2-Amino-4,6-dinitrotoluene	2620	210	ug/kg dry	2083	745	90.2	70-130	1.18	200	
2-Nitrotoluene	2220	210	ug/kg dry	2083	ND	107	70-130	0.112	200	
3,4-Dinitrotoluene	2220	210	ug/kg dry	2083	299	92.3	70-130	3.15	200	
3,5-Dinitroaniline	1900	210	ug/kg dry	2083	ND	91.2	70-130	2.12	200	
3,5-Dinitrotoluene	2110	210	ug/kg dry	2083	ND	101	70-130	1.23	200	
3-Nitrotoluene	2030	210	ug/kg dry	2083	ND	97.4	70-130	0.0791	200	
4-Amino-2,6-dinitrotoluene	6220	210	ug/kg dry	2083	4720	71.9	70-130	14.6	200	
4-Nitrotoluene	2150	210	ug/kg dry	2083	ND	103	70-130	0.00291	200	
Nitrobenzene	2130	210	ug/kg dry	2083	ND	102	70-130	0.744	200	
Surrogate: 2,2'-Dinitrobiphenyl	2370		ug/kg dry	2083		114	60-140			
Surrogate: Nitrobenzene-d5	2170		ug/kg dry	2083		104	60-140			

Batch P309009 - EPA 3570

Blank (P309009-BLK1)	Prepared: 09/08/2013 Analyzed: 09/08/2013 17:44									
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							



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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 P309009 - EPA 3570

Blank (P309009-BLK1)

Prepared: 09/08/2013 Analyzed: 09/08/2013 17:44

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	1830		ug/kg wet	2000		91.4	60-140			
Surrogate: Nitrobenzene-d5	2060		ug/kg wet	2000		103	60-140			

LCS (P309009-BS1)

Prepared: 09/08/2013 Analyzed: 09/08/2013 18:40

1,2-Dimethyl-3,4-Dinitrobenzene	1950	200	ug/kg wet	2000		97.5	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	1960	200	ug/kg wet	2000		98.1	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2030	200	ug/kg wet	2000		102	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	1920	200	ug/kg wet	2000		95.9	70-130			
1,3,5-Trinitrobenzene	1970	200	ug/kg wet	2000		98.4	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	1870	200	ug/kg wet	2000		93.5	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	1970	200	ug/kg wet	2000		98.4	70-130			
1,3-Dinitrobenzene	1880	200	ug/kg wet	2000		93.9	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	1970	200	ug/kg wet	2000		98.7	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	1910	200	ug/kg wet	2000		95.4	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	1880	200	ug/kg wet	2000		93.9	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1980	200	ug/kg wet	2000		99.0	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	1940	200	ug/kg wet	2000		97.1	70-130			
2,3-Dinitrotoluene	2150	200	ug/kg wet	2000		108	70-130			
2,4,6-Trinitrotoluene	1950	200	ug/kg wet	2000		97.4	70-130			
2,4-Dinitrotoluene	1780	200	ug/kg wet	2000		88.9	70-130			
2,5-Dinitrotoluene	1870	200	ug/kg wet	2000		93.7	70-130			
2,6-Dinitrotoluene	1980	200	ug/kg wet	2000		99.1	70-130			
2-Amino-4,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.4	70-130			
2-Nitrotoluene	1950	200	ug/kg wet	2000		97.4	70-130			
3,4-Dinitrotoluene	1950	200	ug/kg wet	2000		97.3	70-130			
3,5-Dinitroaniline	1800	200	ug/kg wet	2000		90.2	70-130			
3,5-Dinitrotoluene	1940	200	ug/kg wet	2000		96.9	70-130			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309009 - EPA 3570

LCS (P309009-BS1)

Prepared: 09/08/2013 Analyzed: 09/08/2013 18:40

3-Nitrotoluene	1830	200	ug/kg wet	2000		91.6	70-130			
4-Amino-2,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.4	70-130			
4-Nitrotoluene	1900	200	ug/kg wet	2000		95.2	70-130			
Nitrobenzene	1950	200	ug/kg wet	2000		97.6	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2130</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>106</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1960</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>97.8</i>	<i>60-140</i>			

Matrix Spike (P309009-MS1)

Source: P133601-78

Prepared: 09/08/2013 Analyzed: 09/08/2013 21:26

1,2-Dimethyl-3,4-Dinitrobenzene	2040	210	ug/kg dry	2053	ND	99.2	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	2180	210	ug/kg dry	2053	ND	106	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2140	210	ug/kg dry	2053	ND	104	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2120	210	ug/kg dry	2053	ND	103	70-130			
1,3,5-Trinitrobenzene	2220	210	ug/kg dry	2053	ND	108	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	2090	210	ug/kg dry	2053	ND	102	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	2120	210	ug/kg dry	2053	ND	103	70-130			
1,3-Dinitrobenzene	2050	210	ug/kg dry	2053	ND	99.9	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	2150	210	ug/kg dry	2053	ND	105	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	2150	210	ug/kg dry	2053	0.00	105	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	2170	210	ug/kg dry	2053	ND	106	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	2050	210	ug/kg dry	2053	ND	99.8	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	2200	210	ug/kg dry	2053	ND	107	70-130			
2,3-Dinitrotoluene	1990	210	ug/kg dry	2053	ND	96.8	70-130			
2,4,6-Trinitrotoluene	11200	210	ug/kg dry	2053	10100	54.6	70-130			M1
2,4-Dinitrotoluene	2240	210	ug/kg dry	2053	248	96.9	70-130			
2,5-Dinitrotoluene	2100	210	ug/kg dry	2053	ND	102	70-130			
2,6-Dinitrotoluene	2060	210	ug/kg dry	2053	ND	100	70-130			
2-Amino-4,6-dinitrotoluene	4110	210	ug/kg dry	2053	2570	74.8	70-130			
2-Nitrotoluene	2060	210	ug/kg dry	2053	ND	100	70-130			
3,4-Dinitrotoluene	2040	210	ug/kg dry	2053	ND	99.6	70-130			
3,5-Dinitroaniline	1860	210	ug/kg dry	2053	ND	90.8	70-130			
3,5-Dinitrotoluene	2130	210	ug/kg dry	2053	ND	104	70-130			
3-Nitrotoluene	1950	210	ug/kg dry	2053	ND	94.8	70-130			
4-Amino-2,6-dinitrotoluene	6790	210	ug/kg dry	2053	5760	50.2	70-130			M1
4-Nitrotoluene	2060	210	ug/kg dry	2053	ND	100	70-130			
Nitrobenzene	1980	210	ug/kg dry	2053	ND	96.3	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2140</i>		<i>ug/kg dry</i>	<i>2053</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1970</i>		<i>ug/kg dry</i>	<i>2053</i>		<i>95.9</i>	<i>60-140</i>			



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309009 - EPA 3570

Matrix Spike Dup (P309009-MSD1)	Source: P133601-78	Prepared: 09/08/2013 Analyzed: 09/08/2013 21:54								
1,2-Dimethyl-3,4-Dinitrobenzene	2040	210	ug/kg dry	2053	ND	99.5	70-130	0.285	200	
1,2-Dimethyl-3,5-Dinitrobenzene	2140	210	ug/kg dry	2053	ND	104	70-130	1.87	200	
1,2-Dimethyl-3,6-Dinitrobenzene	2110	210	ug/kg dry	2053	ND	103	70-130	1.17	200	
1,2-Dimethyl-4,5-Dinitrobenzene	2070	210	ug/kg dry	2053	ND	101	70-130	2.35	200	
1,3,5-Trinitrobenzene	2180	210	ug/kg dry	2053	ND	106	70-130	1.62	200	
1,3-Dimethyl-2,4-Dinitrobenzene	2130	210	ug/kg dry	2053	ND	104	70-130	1.84	200	
1,3-Dimethyl-2,5-Dinitrobenzene	2000	210	ug/kg dry	2053	ND	97.6	70-130	5.53	200	
1,3-Dinitrobenzene	2000	210	ug/kg dry	2053	ND	97.4	70-130	2.54	200	
1,4-Dimethyl-2,3-Dinitrobenzene	2110	210	ug/kg dry	2053	ND	103	70-130	1.90	200	
1,4-Dimethyl-2,5-Dinitrobenzene	2110	210	ug/kg dry	2053	0.00	103	70-130	2.06	200	
1,4-Dimethyl-2,6-Dinitrobenzene	2070	210	ug/kg dry	2053	ND	101	70-130	4.83	200	
1,5-Dimethyl-2,3-Dinitrobenzene	2060	210	ug/kg dry	2053	ND	100	70-130	0.409	200	
1,5-Dimethyl-2,4-Dinitrobenzene	2160	210	ug/kg dry	2053	ND	105	70-130	2.12	200	
2,3-Dinitrotoluene	2020	210	ug/kg dry	2053	ND	98.5	70-130	1.69	200	
2,4,6-Trinitrotoluene	11000	210	ug/kg dry	2053	10100	47.3	70-130	14.4	200	M1
2,4-Dinitrotoluene	2180	210	ug/kg dry	2053	248	94.2	70-130	2.84	200	
2,5-Dinitrotoluene	2070	210	ug/kg dry	2053	ND	101	70-130	1.48	200	
2,6-Dinitrotoluene	2080	210	ug/kg dry	2053	ND	101	70-130	0.848	200	
2-Amino-4,6-dinitrotoluene	4070	210	ug/kg dry	2053	2570	72.8	70-130	2.66	200	
2-Nitrotoluene	2080	210	ug/kg dry	2053	ND	101	70-130	0.895	200	
3,4-Dinitrotoluene	2000	210	ug/kg dry	2053	ND	97.4	70-130	2.18	200	
3,5-Dinitroaniline	1880	210	ug/kg dry	2053	ND	91.5	70-130	0.750	200	
3,5-Dinitrotoluene	2110	210	ug/kg dry	2053	ND	103	70-130	0.771	200	
3-Nitrotoluene	1980	210	ug/kg dry	2053	ND	96.4	70-130	1.63	200	
4-Amino-2,6-dinitrotoluene	6820	210	ug/kg dry	2053	5760	51.7	70-130	2.94	200	M1
4-Nitrotoluene	2050	210	ug/kg dry	2053	ND	99.8	70-130	0.424	200	
Nitrobenzene	1980	210	ug/kg dry	2053	ND	96.7	70-130	0.409	200	
Surrogate: 2,2'-Dinitrobiphenyl	2150		ug/kg dry	2053		105	60-140			
Surrogate: Nitrobenzene-d5	2000		ug/kg dry	2053		97.4	60-140			

Batch P309012 - EPA 3570

Blank (P309012-BLK1)	Prepared: 09/08/2013 Analyzed: 09/08/2013 18:37									
1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							



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 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309012 - EPA 3570

Blank (P309012-BLK1)

Prepared: 09/08/2013 Analyzed: 09/08/2013 18:37

1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	2200		ug/kg wet	2000		110	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	2160		ug/kg wet	2000		108	60-140			

LCS (P309012-BS1)

Prepared: 09/08/2013 Analyzed: 09/08/2013 19:04

1,2-Dimethyl-3,4-Dinitrobenzene	1970	200	ug/kg wet	2000		98.6	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	2070	200	ug/kg wet	2000		103	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2260	200	ug/kg wet	2000		113	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2320	200	ug/kg wet	2000		116	70-130			
1,3,5-Trinitrobenzene	1990	200	ug/kg wet	2000		99.6	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	2110	200	ug/kg wet	2000		106	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	2200	200	ug/kg wet	2000		110	70-130			
1,3-Dinitrobenzene	2060	200	ug/kg wet	2000		103	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	2000	200	ug/kg wet	2000		99.8	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	2190	200	ug/kg wet	2000		109	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	2140	200	ug/kg wet	2000		107	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1940	200	ug/kg wet	2000		96.9	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	2260	200	ug/kg wet	2000		113	70-130			
2,3-Dinitrotoluene	1940	200	ug/kg wet	2000		97.1	70-130			
2,4,6-Trinitrotoluene	1980	200	ug/kg wet	2000		99.1	70-130			
2,4-Dinitrotoluene	2260	200	ug/kg wet	2000		113	70-130			
2,5-Dinitrotoluene	2170	200	ug/kg wet	2000		109	70-130			
2,6-Dinitrotoluene	2230	200	ug/kg wet	2000		111	70-130			
2-Amino-4,6-dinitrotoluene	1990	200	ug/kg wet	2000		99.4	70-130			
2-Nitrotoluene	2230	200	ug/kg wet	2000		111	70-130			
3,4-Dinitrotoluene	1980	200	ug/kg wet	2000		99.2	70-130			
3,5-Dinitroaniline	1830	200	ug/kg wet	2000		91.6	70-130			
3,5-Dinitrotoluene	2060	200	ug/kg wet	2000		103	70-130			



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Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309012 - EPA 3570

LCS (P309012-BS1)

Prepared: 09/08/2013 Analyzed: 09/08/2013 19:04

3-Nitrotoluene	1960	200	ug/kg wet	2000		97.8	70-130			
4-Amino-2,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.6	70-130			
4-Nitrotoluene	2070	200	ug/kg wet	2000		103	70-130			
Nitrobenzene	2110	200	ug/kg wet	2000		106	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2440</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>122</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2100</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>105</i>	<i>60-140</i>			

Matrix Spike (P309012-MS1)

Source: P133601-94

Prepared: 09/08/2013 Analyzed: 09/08/2013 22:15

1,2-Dimethyl-3,4-Dinitrobenzene	2340	200	ug/kg dry	2014	334	99.5	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	2390	200	ug/kg dry	2014	260	106	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2170	200	ug/kg dry	2014	ND	108	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2480	200	ug/kg dry	2014	130	116	70-130			
1,3,5-Trinitrobenzene	2370	200	ug/kg dry	2014	179	109	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	2620	200	ug/kg dry	2014	460	107	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	2080	200	ug/kg dry	2014	ND	103	70-130			
1,3-Dinitrobenzene	2480	200	ug/kg dry	2014	ND	123	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	2680	200	ug/kg dry	2014	492	109	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	2120	200	ug/kg dry	2014	0.00	105	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	2270	200	ug/kg dry	2014	240	101	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1970	200	ug/kg dry	2014	ND	98.0	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	3940	200	ug/kg dry	2014	2550	68.6	70-130			M1
2,3-Dinitrotoluene	1810	200	ug/kg dry	2014	263	77.0	70-130			
2,4,6-Trinitrotoluene	50200	4000	ug/kg dry	2014	43000	359	70-130			M1, D
2,4-Dinitrotoluene	2520	200	ug/kg dry	2014	260	112	70-130			
2,5-Dinitrotoluene	2030	200	ug/kg dry	2014	ND	101	70-130			
2,6-Dinitrotoluene	2110	200	ug/kg dry	2014	121	98.7	70-130			
2-Amino-4,6-dinitrotoluene	3280	200	ug/kg dry	2014	1110	108	70-130			
2-Nitrotoluene	2180	200	ug/kg dry	2014	ND	108	70-130			
3,4-Dinitrotoluene	1840	200	ug/kg dry	2014	ND	91.5	70-130			
3,5-Dinitroaniline	1990	200	ug/kg dry	2014	133	92.3	70-130			
3,5-Dinitrotoluene	2010	200	ug/kg dry	2014	ND	99.8	70-130			
3-Nitrotoluene	1990	200	ug/kg dry	2014	ND	98.8	70-130			
4-Amino-2,6-dinitrotoluene	9290	200	ug/kg dry	2014	7340	96.7	70-130			
4-Nitrotoluene	2140	200	ug/kg dry	2014	ND	106	70-130			
Nitrobenzene	2060	200	ug/kg dry	2014	ND	102	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2450</i>		<i>ug/kg dry</i>	<i>2014</i>		<i>121</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2040</i>		<i>ug/kg dry</i>	<i>2014</i>		<i>101</i>	<i>60-140</i>			



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 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309012 - EPA 3570

Matrix Spike Dup (P309012-MSD1)	Source: P133601-94	Prepared: 09/08/2013 Analyzed: 09/08/2013 22:42								
1,2-Dimethyl-3,4-Dinitrobenzene	2580	200	ug/kg dry	2014	334	111	70-130	11.1	200	
1,2-Dimethyl-3,5-Dinitrobenzene	2490	200	ug/kg dry	2014	260	111	70-130	4.52	200	
1,2-Dimethyl-3,6-Dinitrobenzene	2270	200	ug/kg dry	2014	ND	113	70-130	4.79	200	
1,2-Dimethyl-4,5-Dinitrobenzene	2660	200	ug/kg dry	2014	130	126	70-130	7.64	200	
1,3,5-Trinitrobenzene	2820	200	ug/kg dry	2014	179	131	70-130	18.7	200	M1
1,3-Dimethyl-2,4-Dinitrobenzene	2690	200	ug/kg dry	2014	460	111	70-130	3.28	200	
1,3-Dimethyl-2,5-Dinitrobenzene	2140	200	ug/kg dry	2014	ND	106	70-130	2.68	200	
1,3-Dinitrobenzene	2100	200	ug/kg dry	2014	ND	104	70-130	16.9	200	
1,4-Dimethyl-2,3-Dinitrobenzene	2650	200	ug/kg dry	2014	492	107	70-130	1.38	200	
1,4-Dimethyl-2,5-Dinitrobenzene	2240	200	ug/kg dry	2014	0.00	111	70-130	5.49	200	
1,4-Dimethyl-2,6-Dinitrobenzene	2370	200	ug/kg dry	2014	240	106	70-130	4.56	200	
1,5-Dimethyl-2,3-Dinitrobenzene	2150	200	ug/kg dry	2014	ND	107	70-130	8.42	200	
1,5-Dimethyl-2,4-Dinitrobenzene	4050	200	ug/kg dry	2014	2550	74.3	70-130	7.88	200	
2,3-Dinitrotoluene	1950	200	ug/kg dry	2014	263	83.7	70-130	8.27	200	
2,4,6-Trinitrotoluene	41200	4000	ug/kg dry	2014	43000	NR	70-130	NR	200	M1, D
2,4-Dinitrotoluene	2650	200	ug/kg dry	2014	260	119	70-130	5.39	200	
2,5-Dinitrotoluene	2150	200	ug/kg dry	2014	ND	107	70-130	5.59	200	
2,6-Dinitrotoluene	2230	200	ug/kg dry	2014	121	105	70-130	6.12	200	
2-Amino-4,6-dinitrotoluene	3500	200	ug/kg dry	2014	1110	119	70-130	9.67	200	
2-Nitrotoluene	2130	200	ug/kg dry	2014	ND	106	70-130	2.44	200	
3,4-Dinitrotoluene	2030	200	ug/kg dry	2014	ND	101	70-130	9.44	200	
3,5-Dinitroaniline	2200	200	ug/kg dry	2014	133	103	70-130	10.6	200	
3,5-Dinitrotoluene	2170	200	ug/kg dry	2014	ND	108	70-130	7.78	200	
3-Nitrotoluene	1920	200	ug/kg dry	2014	ND	95.1	70-130	3.89	200	
4-Amino-2,6-dinitrotoluene	10100	200	ug/kg dry	2014	7340	135	70-130	33.1	200	M1
4-Nitrotoluene	2100	200	ug/kg dry	2014	ND	104	70-130	1.94	200	
Nitrobenzene	1960	200	ug/kg dry	2014	ND	97.3	70-130	4.94	200	
Surrogate: 2,2'-Dinitrobiphenyl	2640		ug/kg dry	2014		131	60-140			
Surrogate: Nitrobenzene-d5	2010		ug/kg dry	2014		100	60-140			



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 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Classical Chemistry Parameters - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P309003 - % Solids

Duplicate (P309003-DUP1)	Source: P133601-20		Prepared: 09/06/2013 Analyzed: 09/07/2013 15:34							
% Solids	97.0	0.00	% by Weight		97.2			0.236	20	

Batch P309004 - % Solids

Duplicate (P309004-DUP1)	Source: P133601-44		Prepared: 09/06/2013 Analyzed: 09/07/2013 15:41							
% Solids	95.9	0.00	% by Weight		95.6			0.263	20	

Batch P309005 - % Solids

Duplicate (P309005-DUP1)	Source: P133601-66		Prepared: 09/07/2013 Analyzed: 09/08/2013 14:26							
% Solids	96.4	0.00	% by Weight		96.4			0.0382	20	

Batch P309006 - % Solids

Duplicate (P309006-DUP1)	Source: P133601-73		Prepared: 09/07/2013 Analyzed: 09/08/2013 14:33							
% Solids	95.4	0.00	% by Weight		95.7			0.244	20	

Batch P309010 - % Solids

Duplicate (P309010-DUP1)	Source: P133601-74		Prepared: 09/08/2013 Analyzed: 09/09/2013 14:26							
% Solids	98.6	0.00	% by Weight		93.8			4.99	20	

Batch P309011 - % Solids

Duplicate (P309011-DUP1)	Source: P133601-99		Prepared: 09/08/2013 Analyzed: 09/09/2013 14:35							
% Solids	98.9	0.00	% by Weight		98.9			0.0619	20	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

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.
- 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



ECCS On-Site Laboratory Case Narrative

Report Date	07/09/2013
Client	URS Corporation
Site/ Project Name	DuPont Barksdale Explosives Plant
Location	Barksdale, WI
Dates of Service	6/22/13 to 6/28/13
Test Method Reference	8270 Explosives
ECCS Project Number	2613
Client Project or PO Number	LBIO-66526

1. Introduction

ECCS was on-site at the referenced site to provide analytical chemistry support in site research and remediation activities. The research involves the use of experimental bioremediation plots to lower concentrations of explosives in soil. The target analytes for the project included 28 nitro aromatic compounds. These compounds included nitrobenzene, nitro-toluenes, dinitro-benzenes, dinitro-toluenes, dinitro-amines, trinitro-benzene, trinitro-toluene (TNT), dinitro-xylenes (DNX), and trinitro-xylene. The laboratory analyzed 157 soil samples while on-site. The ECCS Lead Chemist was Christopher Sauer and the ECCS project manager was Michael Linskens.

2. ECCS Method Summary

- All samples were analyzed by 8270 explosives methodology. Samples were collected by the client and provided to the laboratory in 4oz jars. The samples had been stored frozen until the arrival of the mobile laboratory. Samples were received with chain of custody documentation and logged in to the laboratory information management system (LIMS). The LIMS assigned unique laboratory identification numbers to samples for tracking purposes. The content of 4oz jar was air-dried in a separate sample preparation trailer. The soil sample was evenly spread out on a single-use, disposable plastic plate and allowed to air dry overnight. The air-dried sample was ground in a porcelain mortar and pestle and passed through a 600 um sieve. The sieved soil was recollected on the plate and returned to the 4oz jar. The sieved, air-dried soil sample was then carried to the instrumentation trailer for analysis. A subsample of the air-dried soil sample was extracted for nitro-aromatics using EPA Method 3570. A separate subsample of the soil was measured for % solids determination. GCMS analysis was performed with an Agilent 5890 gas chromatograph (GC) and an Agilent 5972 mass selective detector (MSD) operated in the selective ion monitoring (SIM) mode. The GC/MSD data system was Agilent MSD Productivity Chemstation (G1701BA) using the Enviroqaunt data analysis option. The reporting limit for each of the target nitro-aromatic compounds was 200ug/kg on a wet weight basis. The reporting limit for individual samples was adjusted for moisture content.



3. Quality Control Summary

Instrument Tuning	Instrument tuning was verified every twelve hours using decafluorotriphenylphosphine (DFTPP). One of the two instruments used passed all acceptance criteria. The other instrument occasionally had a lower than acceptable response ratio for m/e 442. This discrepancy is not considered to affect the quality of this target analysis.
Initial Calibration	An initial calibration using 7 points was performed. A response factor determined from a previous analysis was used for 1,3,5-trinitro-2,4-dimethylbenzene. The calibration was verified using a single point second source standard. All method calibration criteria were acceptable.
Continuing Calibration	The instrument calibration was verified at the beginning and end of each analysis day and after every 10 samples analyzed. Two concentrations (high and low) of continuing calibration standard were analyzed at this frequency. The method criteria were acceptable for the vast majority of analyses. High biases were encountered for 2,4-DNT and any affected sample data was qualified.
Method Blanks	The laboratory method blanks that were analyzed each day were free of contamination. Additional sand blanks were analyzed that were air-dried, sieved and processed through the entire sample preparation procedure. The sand blank processed on 6/27/13 showed detectable levels of DNX with 1,5-dimethyl-2,4-dinitrobenzene measured over the report limit at 400ug/kg.
Blank Spikes	The recoveries for the constituents of concern were acceptable.
MS/MSD	MS/MSD samples were frequently diluted due to elevated levels of explosives in the parent sample. This dilution made it impossible to accurately determine percent recovery by conventional methods. As a consequence, most of the MS/MSD samples were qualified.

4. Analytical Reports

Select samples anticipated to contain high levels of nitro-aromatics were diluted and have elevated report limits. Results for 1,3,5-trinitro-2,4-dimethyl benzene need to be considered as estimates because only a historical response factor was utilized in calculating these values.

Some of the soil samples were analyzed beyond the recommended holding time of 14 days. However, because these samples were stored frozen, the sample integrity was maintained for this project and the results were not qualified.



The analytical results are presented in summary format in Appendix A. Appendix B contains full analytical reports for each sample along with quality control sample results. Appendix C contains chain of custody documentation.

5. Signature Approval

This document has been prepared by the under-signed:

Christopher Sauer 07/09/13
Lead Chemist

This document has been reviewed by the under-signed:

Michael Linskens 07/09/13
Project Manager

Certification List

			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2014
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2014
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2014
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2014
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013



Appendix A
Summary Style Report



SUMMARY REPORT

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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-01	P132501-02	P132501-03	P132501-04	P132501-05	P132501-06
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 2A4-(0-1)	BAR-S-PILOT-C0 2A5-(0-1)	BAR-S-PILOT-C0 2A5-DUP-(0-1)	BAR-S-PILOT-C0 2A5-MS-(0-1)	BAR-S-PILOT-C0 2A5-MSD-(0-1)	BAR-S-PILOT-C 02-DUP-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	330000 [1]	490000 [1]	440000 [1]	420000 [1]	600000 [1]	270000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	310000 [1]	460000 [1]	420000 [1]	390000 [1]	600000 [1]	260000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<100000	110000 [1]	100000 [1]	<100000	140000 [1]	<110000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	120000 [1]	150000 [1]	140000 [1]	130000 [1]	180000 [1]	110000 [1]
1,3,5-Trinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	670000 [1]	960000 [1]	860000 [1]	770000 [1]	1200000 [1]	500000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
1,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	580000 [1]	820000 [1]	780000 [1]	740000 [1]	1000000 [1]	470000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<100000	120000 [1]	110000 [1]	<100000	140000 [1]	<110000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	230000 [1]	350000 [1]	330000 [1]	300000 [1]	490000 [1]	210000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	2100000 [1]	3400000 [1]	3100000 [1]	2900000 [1]	4200000 [1]	1800000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
2,4,6-Trinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
2,4-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
2,5-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
2,6-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
2-Nitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
3,4-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
3,5-Dinitroaniline	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
3,5-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
3-Nitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
4-Nitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
Nitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
RDX	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
Tetryl	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<110000	<110000
2,2'-Dinitrobiphenyl	140 [surr]	<100000 [2]	<100000 [2]	<100000 [2]	<100000 [2]	<110000 [2]	<110000 [2]
Nitrobenzene-d5	140 [surr]	<100000 [2]	<100000 [2]	<100000 [2]	<100000 [2]	<110000 [2]	<110000 [2]



SUMMARY REPORT

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URS Corporation	Project: DuPont Barksdale Explosives Plant - Barksdale, WI
4051 Ogletown Road, Ste 300	Project Number: LBIO-66526 Amendment 11
Newark, DE 19713	Project Manager: Jon Hammerberg
SAMPLED: 06/12/2013 to 06/25/2013	
RECEIVED: 06/21/2013	

LAB #		P132501-01	P132501-02	P132501-03	P132501-04	P132501-05	P132501-06
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 2A4-(0-1)	BAR-S-PILOT-C0 2A5-(0-1)	BAR-S-PILOT-C0 2A5-DUP-(0-1)	BAR-S-PILOT-C0 2A5-MS-(0-1)	BAR-S-PILOT-C0 2A5-MSD-(0-1)	BAR-S-PILOT-C 02-DUP-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.0	96.5	96.4	96.5	90.0	91.4
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LAB #		P132501-07	P132501-08	P132501-09	P132501-10	P132501-11	P132501-12
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 2-MS-(0-1)	BAR-S-PILOT-C0 2-MSD-(0-1)	BAR-S-PILOT-C0 3-(0-1)	BAR-S-PILOT-C0 3A4-(0-1)	BAR-S-PILOT-C0 3A5-(0-1)	BAR-S-PILOT-C 03A6-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	320000 [1]	280000 [1]	220000 [1]	270000 [1]	280000 [1]	270000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	320000 [1]	270000 [1]	210000 [1]	260000 [1]	270000 [1]	270000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	74000 [1]	63000 [1]	<53000	67000 [1]	62000 [1]	65000 [1]
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	100000 [1]	85000 [1]	72000 [1]	83000 [1]	87000 [1]	87000 [1]
1,3,5-Trinitrobenzene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	660000 [1]	580000 [1]	340000 [1]	420000 [1]	460000 [1]	440000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
1,3-Dinitrobenzene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	610000 [1]	480000 [1]	370000 [1]	430000 [1]	470000 [1]	460000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	75000 [1]	59000 [1]	<53000	58000 [1]	58000 [1]	64000 [1]
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	240000 [1]	210000 [1]	140000 [1]	190000 [1]	190000 [1]	190000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	2100000 [1]	1900000 [1]	1300000 [1]	1500000 [1]	1600000 [1]	1500000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
2,4,6-Trinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
2,4-Dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
2,5-Dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
2,6-Dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
2-Nitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
3,4-Dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
3,5-Dinitroaniline	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
3,5-Dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
3-Nitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
4-Nitrotoluene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
Nitrobenzene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
RDX	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
Tetryl	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<58000	<58000	<53000	<53000	<54000	<55000
2,2'-Dinitrobiphenyl	140 [surr]	<58000 [2]	<58000 [2]	<53000 [2]	<53000 [2]	<54000 [2]	<55000 [2]
Nitrobenzene-d5	140 [surr]	<58000 [2]	<58000 [2]	<53000 [2]	<53000 [2]	<54000 [2]	<55000 [2]



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LAB #		P132501-07	P132501-08	P132501-09	P132501-10	P132501-11	P132501-12
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 2-MS-(0-1)	BAR-S-PILOT-C0 2-MSD-(0-1)	BAR-S-PILOT-C0 3-(0-1)	BAR-S-PILOT-C0 3A4-(0-1)	BAR-S-PILOT-C0 3A5-(0-1)	BAR-S-PILOT-C 03A6-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	86.2	86.5	94.4	94.7	92.7	91.3
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LAB #		P132501-13	P132501-14	P132501-15	P132501-16	P132501-17	P132501-18
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 1-(0-1)	BAR-S-PILOT-C0 1A2-(0-1)	BAR-S-PILOT-C0 1B3-(0-1)	BAR-S-PILOT-C0 1B6-(0-1)	BAR-S-PILOT-C0 2-(0-1)	BAR-S-PILOT-C 02A3-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	490000 [1]	350000 [1]	600000 [1]	880000 [1]	250000 [1]	160000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	480000 [1]	350000 [1]	620000 [1]	890000 [1]	230000 [1]	150000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	120000 [1]	80000 [1]	160000 [1]	220000 [1]	<100000	<100000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	150000 [1]	100000 [1]	210000 [1]	280000 [1]	<100000	<100000
1,3,5-Trinitrobenzene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	920000 [1]	600000 [1]	1200000 [1]	1700000 [1]	460000 [1]	240000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
1,3-Dinitrobenzene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	820000 [1]	620000 [1]	1000000 [1]	1400000 [1]	440000 [1]	260000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	120000 [1]	81000 [1]	160000 [1]	250000 [1]	<100000	<100000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	370000 [1]	280000 [1]	490000 [1]	700000 [1]	190000 [1]	100000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<54000	<54000	58000 [1]	87000 [1]	<100000	<100000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	2600000 [1]	1800000 [1]	3300000 [1]	4400000 [1]	1700000 [1]	910000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
2,4,6-Trinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
2,4-Dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
2,5-Dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
2,6-Dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
2-Nitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
3,4-Dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
3,5-Dinitroaniline	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
3,5-Dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
3-Nitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
4-Nitrotoluene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
Nitrobenzene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
RDX	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
Tetryl	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<54000	<54000	<55000	<54000	<100000	<100000
2,2'-Dinitrobiphenyl	140 [surr]	<54000 [2]	<54000 [2]	<55000 [2]	<54000 [2]	<100000 [2]	<100000 [2]
Nitrobenzene-d5	140 [surr]	<54000 [2]	<54000 [2]	<55000 [2]	<54000 [2]	<100000 [2]	<100000 [2]



SUMMARY REPORT

2525 Advance Road
 Madison, WI 53718
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URS Corporation	Project: DuPont Barksdale Explosives Plant - Barksdale, WI
4051 Ogletown Road, Ste 300	Project Number: LBIO-66526 Amendment 11
Newark, DE 19713	Project Manager: Jon Hammerberg
SAMPLED: 06/12/2013 to 06/25/2013	
RECEIVED: 06/21/2013	

LAB #		P132501-13	P132501-14	P132501-15	P132501-16	P132501-17	P132501-18
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 1-(0-1)	BAR-S-PILOT-C0 1A2-(0-1)	BAR-S-PILOT-C0 1B3-(0-1)	BAR-S-PILOT-C0 1B6-(0-1)	BAR-S-PILOT-C0 2-(0-1)	BAR-S-PILOT-C 02A3-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	92.9	93.3	91.6	92.5	96.8	96.3
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SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-19	P132501-20	P132501-21	P132501-22	P132501-23	P132501-24
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 7B2-(0-1)	BAR-S-PILOT-C0 7B3-(0-1)	BAR-S-PILOT-C0 7B5-(0-1)	BAR-S-PILOT-C0 7B6-(0-1)	BAR-S-PILOT-C0 8A1-(0-1)	BAR-S-PILOT-C 08A2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	290	280	300	<220
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	230	<210	320	270	340	<220
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	220	<210	<210	<220
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	260	250	210	<220
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	660 [3]	380	<210	<220
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	690	620	810	750	850	<220
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	500	430	600	580	650	<220
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	250	230	330	290	320	<220
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	930	860	1100	1300	1200	<220
2,3-Dinitrotoluene	200 ug/kg dry	<210	420	6000	4300	<210	<220
2,4,6-Trinitrotoluene	200 ug/kg dry	2300	4600	41000 [1]	57000 [1]	320 [3]	220
2,4-Dinitrotoluene	200 ug/kg dry	1300	1600	6400	18000	1500	2900
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	400	320	<210	<220
2,6-Dinitrotoluene	200 ug/kg dry	820	1200	7600	6800	280	520
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	480	720	3900 [3]	2400	240 [3]	<220
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
3,4-Dinitrotoluene	200 ug/kg dry	350	540	9100	6700	<210	<220
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	410	320	<210	<220
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	450 [3]	370	<210	<220
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	1400	3700	16000 [3]	12000	310 [3]	<220
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<220
RDX	200 ug/kg dry	<210	<210	<210	<210	<210	<220
Tetryl	200 ug/kg dry	<210	<210	<210	<210	<210	<220
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	300	210	<210	<220
2,2'-Dinitrobiphenyl	140 [surr]	89%	93%	110%	100%	100%	98%
Nitrobenzene-d5	140 [surr]	90%	89%	100%	92%	100%	110%



SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-19	P132501-20	P132501-21	P132501-22	P132501-23	P132501-24
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 7B2-(0-1)	BAR-S-PILOT-C0 7B3-(0-1)	BAR-S-PILOT-C0 7B5-(0-1)	BAR-S-PILOT-C0 7B6-(0-1)	BAR-S-PILOT-C0 8A1-(0-1)	BAR-S-PILOT-C 08A2-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00	% by Weight	96.3	96.3	93.4	95.6	93.3	89.6
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SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-25	P132501-26	P132501-27	P132501-28	P132501-29	P132501-30
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 8A3-(0-1)	BAR-S-PILOT-C0 8A4-(0-1)	BAR-S-PILOT-C0 8A4-DUP-(0-1)	BAR-S-PILOT-C0 8A4-MS-(0-1)	BAR-S-PILOT-C0 8A4-MSD-(0-1)	BAR-S-PILOT-C 08B1-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,3,5-Trinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,3-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<220	<230	<220	240	280	400
2,3-Dinitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
2,4,6-Trinitrotoluene	200 ug/kg dry	<220	<230	<220	<230	270	<220
2,4-Dinitrotoluene	200 ug/kg dry	1200	1300	1800	1700	2300	2000
2,5-Dinitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
2,6-Dinitrotoluene	200 ug/kg dry	<220	<230	280	250	280	260
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
2-Nitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
3,4-Dinitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
3,5-Dinitroaniline	200 ug/kg dry	<220	<230	<220	<230	<230	<220
3,5-Dinitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
3-Nitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
4-Nitrotoluene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
Nitrobenzene	200 ug/kg dry	<220	<230	<220	<230	<230	<220
RDX	200 ug/kg dry	<220	<230	<220	<230	<230	<220
Tetryl	200 ug/kg dry	<220	<230	<220	<230	<230	<220
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<220	<230	<220	530	<230	<220
2,2'-Dinitrobiphenyl	140 [surr]	92%	96%	98%	94%	97%	93%
Nitrobenzene-d5	140 [surr]	100%	110%	100%	100%	100%	100%



SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-25	P132501-26	P132501-27	P132501-28	P132501-29	P132501-30
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 8A3-(0-1)	BAR-S-PILOT-C0 8A4-(0-1)	BAR-S-PILOT-C0 8A4-DUP-(0-1)	BAR-S-PILOT-C0 8A4-MS-(0-1)	BAR-S-PILOT-C0 8A4-MSD-(0-1)	BAR-S-PILOT-C 08B1-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	89.4	88.7	89.3	88.6	87.2	90.2
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SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-31	P132501-32	P132501-33	P132501-34	P132501-35	P132501-36
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4A5-(0-1)	BAR-S-PILOT-C1 4A6-(0-1)	BAR-S-PILOT-C1 4B1-(0-1)	BAR-S-PILOT-C1 4B2-(0-1)	BAR-S-PILOT-C1 4B4-(0-1)	BAR-S-PILOT-C 14B4-DUP- (0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,3,5-Trinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	660	340
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	230
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<220	450	570
2,3-Dinitrotoluene	200 ug/kg dry	3300	2200	<230	430	14000	10000
2,4,6-Trinitrotoluene	200 ug/kg dry	6300	3600	3600	2800	19000	12000
2,4-Dinitrotoluene	200 ug/kg dry	920	500 [3]	<230 [3]	840 [3]	13000 [3]	2300 [3]
2,5-Dinitrotoluene	200 ug/kg dry	<220	<220	<230	<220	1200	500
2,6-Dinitrotoluene	200 ug/kg dry	790	440	<230	560	18000	4100
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	670	460	400	430	2000	1600
2-Nitrotoluene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
3,4-Dinitrotoluene	200 ug/kg dry	6400	4100	<230	650	21000	19000
3,5-Dinitroaniline	200 ug/kg dry	<220	<220	<230	<220	370	260
3,5-Dinitrotoluene	200 ug/kg dry	470	330	<230	<220	1400	1200
3-Nitrotoluene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	4200	3200	2900	2100	4000	3900
4-Nitrotoluene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
Nitrobenzene	200 ug/kg dry	<220	<220	<230	<220	<230	<230
RDX	200 ug/kg dry	<220	<220	<230	<220	<230	<230
Tetryl	200 ug/kg dry	<220	<220	<230	<220	<230	<230
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	370	<220	<230	<220	<230	<230
2,2'-Dinitrophenyl	140 [surr]	100%	100%	100%	96%	110%	100%



SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-31	P132501-32	P132501-33	P132501-34	P132501-35	P132501-36
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4A5-(0-1)	BAR-S-PILOT-C1 4A6-(0-1)	BAR-S-PILOT-C1 4B1-(0-1)	BAR-S-PILOT-C1 4B2-(0-1)	BAR-S-PILOT-C1 4B4-(0-1)	BAR-S-PILOT-C 14B4-DUP- (0-1)

Explosive Compounds by EPA Method 8270 (continued)

Nitrobenzene-d5	140 [surr]	100%	100%	100%	100%	100%	100%
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Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	89.1	89.9	88.7	88.9	88.6	88.4
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SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-37	P132501-38	P132501-39	P132501-40	P132501-41	P132501-42
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4B4-MS-(0-1)	BAR-S-PILOT-C1 4B4-MSD-(0-1)	BAR-S-PILOT-C1 4B5-(0-1)	BAR-S-PILOT-C1 4B6-(0-1)	BAR-S-PILOT-C1 5A1-(0-1)	BAR-S-PILOT-C 15A4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,3,5-Trinitrobenzene	200 ug/kg dry	410	370	<230	<230	<230	<4100
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	450	430	350	<230	<230	<4100
2,3-Dinitrotoluene	200 ug/kg dry	13000	11000	11000	2600	2100	<4100
2,4,6-Trinitrotoluene	200 ug/kg dry	14000	12000	6700	14000	2500	46000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	6100 [3]	4300 [3]	1100 [3]	290 [3]	260 [3]	<4100
2,5-Dinitrotoluene	200 ug/kg dry	750	620	340	<230	<230	<4100
2,6-Dinitrotoluene	200 ug/kg dry	18000	24000 [1]	1200	270	230	<4100
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	1500	1600	1000	620	590	<4100
2-Nitrotoluene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
3,4-Dinitrotoluene	200 ug/kg dry	20000	19000	22000	6100	4000	<4100
3,5-Dinitroaniline	200 ug/kg dry	290	280	<230	<230	<230	<4100
3,5-Dinitrotoluene	200 ug/kg dry	1200	1200	1200	390	360	<4100
3-Nitrotoluene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	3700	3800	3000	3700	2000	7200 [1]
4-Nitrotoluene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
Nitrobenzene	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
RDX	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
Tetryl	200 ug/kg dry	<220	<220	<230	<230	<230	<4100
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	220	<220	<230	<230	<230	<4100
2,2'-Dinitrobiphenyl	140 [surr]	100%	110%	110%	100%	100%	95%
Nitrobenzene-d5	140 [surr]	100%	100%	100%	100%	110%	110%



SUMMARY REPORT

2525 Advance Road
Madison, WI 53718
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-37	P132501-38	P132501-39	P132501-40	P132501-41	P132501-42
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 4B4-MS-(0-1)	BAR-S-PILOT-C1 4B4-MSD-(0-1)	BAR-S-PILOT-C1 4B5-(0-1)	BAR-S-PILOT-C1 4B6-(0-1)	BAR-S-PILOT-C1 5A1-(0-1)	BAR-S-PILOT-C 15A4-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00	% by Weight	89.3	89.3	88.2	88.5	88.2	96.9
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-43	P132501-44	P132501-45	P132501-46	P132501-47	P132501-48
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5A2-(0-1)	BAR-S-PILOT-C1 5A3-(0-1)	BAR-S-PILOT-C1 5B1-(0-1)	BAR-S-PILOT-C1 5B2-(0-1)	BAR-S-PILOT-C1 5B3-(0-1)	BAR-S-PILOT-C 15B4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	230	<4100
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	440	350	440	440	470	<4100
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	260	230	330	300	300	<4100
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	530	670	730	590	450	<4100
2,3-Dinitrotoluene	200 ug/kg dry	770	<210	1800	530	<210	<4100
2,4,6-Trinitrotoluene	200 ug/kg dry	63000 [1]	3000	7300	35000 [1]	75000 [1]	36000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	1200 [3]	360 [3]	480 [3]	270 [3]	690 [3]	<4100
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
2,6-Dinitrotoluene	200 ug/kg dry	840	<210	250	210	210	<4100
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	460	450	950	430	1300	<4100
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
3,4-Dinitrotoluene	200 ug/kg dry	1400	<210	3800	830	<210	<4100
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	310	<210	<210	<4100
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	2800	3200	6200	3300	9400	9200 [1]
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
RDX	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
Tetryl	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<4100
2,2'-Dinitrobiphenyl	140 [surr]	100%	100%	110%	100%	110%	100%
Nitrobenzene-d5	140 [surr]	110%	94%	110%	110%	110%	100%



SUMMARY REPORT

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URS Corporation	Project: DuPont Barksdale Explosives Plant - Barksdale, WI
4051 Ogletown Road, Ste 300	Project Number: LBIO-66526 Amendment 11
Newark, DE 19713	Project Manager: Jon Hammerberg
SAMPLED: 06/12/2013 to 06/25/2013	
RECEIVED: 06/21/2013	

LAB #		P132501-43	P132501-44	P132501-45	P132501-46	P132501-47	P132501-48
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5A2-(0-1)	BAR-S-PILOT-C1 5A3-(0-1)	BAR-S-PILOT-C1 5B1-(0-1)	BAR-S-PILOT-C1 5B2-(0-1)	BAR-S-PILOT-C1 5B3-(0-1)	BAR-S-PILOT-C 15B4-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	97.2	96.9	96.7	97.0	96.9	96.9
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SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-49	P132501-50	P132501-51	P132501-52	P132501-53	P132501-54
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5B4-DUP-(0-1)	BAR-S-PILOT-C1 5B4-MS-(0-1)	BAR-S-PILOT-C1 5B4-MSD-(0-1)	BAR-S-PILOT-C1 6A1-(0-1)	BAR-S-PILOT-C1 6A2-(0-1)	BAR-S-PILOT-C 19A1-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,3,5-Trinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,3-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
2,3-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
2,4,6-Trinitrotoluene	200 ug/kg dry	170000 [1]	130000 [1]	22000 [1]	340000 [1]	250000 [1]	270000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
2,5-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
2,6-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	4900 [1]	<4100	<4100	24000 [1]	45000 [1]	<4100
2-Nitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
3,4-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
3,5-Dinitroaniline	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
3,5-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
3-Nitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	8900 [1]	9600 [1]	9500 [1]	42000 [1]	46000 [1]	9700 [1]
4-Nitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
Nitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
RDX	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
Tetryl	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<4100	<4100	<4100	<4200	<4200	<4100
2,2'-Dinitrobiphenyl	140 [surr]	88%	98%	94%	100%	100%	110%
Nitrobenzene-d5	140 [surr]	100%	94%	110%	90%	95%	100%



SUMMARY REPORT

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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-49	P132501-50	P132501-51	P132501-52	P132501-53	P132501-54
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 5B4-DUP-(0-1)	BAR-S-PILOT-C1 5B4-MS-(0-1)	BAR-S-PILOT-C1 5B4-MSD-(0-1)	BAR-S-PILOT-C1 6A1-(0-1)	BAR-S-PILOT-C1 6A2-(0-1)	BAR-S-PILOT-C1 19A1-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.9	96.9	96.9	95.8	94.2	96.4
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SUMMARY REPORT

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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-55	P132501-56	P132501-57	P132501-58	P132501-59	P132501-60
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 9A2-(0-1)	BAR-S-PILOT-C1 9A3-(0-1)	BAR-S-PILOT-C1 9A4-(0-1)	BAR-S-PILOT-C1 9B1-(0-1)	BAR-S-PILOT-C1 9B2-(0-1)	BAR-S-PILOT-C 19B3-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,3,5-Trinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,3-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
2,3-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
2,4,6-Trinitrotoluene	200 ug/kg dry	300000 [1]	97000 [1]	210000 [1]	170000 [1]	4900000 [1]	190000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	4800 [1]	<4100	<4100	<4100	<4100	<4100
2,5-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
2,6-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	5000 [1]	<4100
2-Nitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
3,4-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
3,5-Dinitroaniline	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
3,5-Dinitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
3-Nitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	6400 [1]	5900 [1]	6400 [1]	6600 [1]	9800 [1]	6300 [1]
4-Nitrotoluene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
Nitrobenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
RDX	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
Tetryl	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<4100	<4100	<4100	<4100	<4100	<4100
2,2'-Dinitrobiphenyl	140 [surr]	97%	93%	89%	91%	97%	86%
Nitrobenzene-d5	140 [surr]	93%	92%	92%	92%	90%	91%



SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-55	P132501-56	P132501-57	P132501-58	P132501-59	P132501-60
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 9A2-(0-1)	BAR-S-PILOT-C1 9A3-(0-1)	BAR-S-PILOT-C1 9A4-(0-1)	BAR-S-PILOT-C1 9B1-(0-1)	BAR-S-PILOT-C1 9B2-(0-1)	BAR-S-PILOT-C1 19B3-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.9	97.5	97.3	97.5	97.3	97.2
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LAB #		P132501-61	P132501-62	P132501-63	P132501-64	P132501-65	P132501-66
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 9B4-(0-1)	BAR-S-PILOT-C2 1-(0-1)	BAR-S-PILOT-C2 1A1-(0-1)	BAR-S-PILOT-C2 1A2-(0-1)	BAR-S-PILOT-C2 1A3-(0-1)	BAR-S-PILOT-C 06A2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,3,5-Trinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,3-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
2,3-Dinitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
2,4,6-Trinitrotoluene	200 ug/kg dry	180000 [1]	5400000 [1]	670000 [1]	4300000 [1]	8000000 [1]	3500000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
2,5-Dinitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
2,6-Dinitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
2-Nitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
3,4-Dinitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
3,5-Dinitroaniline	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
3,5-Dinitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
3-Nitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	6300 [1]	<100000	10000 [1]	<100000	<100000	<100000
4-Nitrotoluene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
Nitrobenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
RDX	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
Tetryl	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<4100	<100000	<10000	<100000	<100000	<100000
2,2'-Dinitrobiphenyl	140 [surr]	91%	<100000 [2]	<10000 [2]	<100000 [2]	<100000 [2]	690% [2]
Nitrobenzene-d5	140 [surr]	93%	<100000 [2]	<10000 [2]	<100000 [2]	<100000 [2]	<100000 [2]



SUMMARY REPORT

2525 Advance Road
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132501-61	P132501-62	P132501-63	P132501-64	P132501-65	P132501-66
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 9B4-(0-1)	BAR-S-PILOT-C2 1-(0-1)	BAR-S-PILOT-C2 1A1-(0-1)	BAR-S-PILOT-C2 1A2-(0-1)	BAR-S-PILOT-C2 1A3-(0-1)	BAR-S-PILOT-C 06A2-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	97.1	98.3	98.1	97.9	97.2	96.6
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LAB #		P132501-67	P132501-68	P132501-69	P132501-70	P132501-71	P132501-72
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 6A3-(0-1)	BAR-S-PILOT-C0 6A5-(0-1)	BAR-S-PILOT-C0 6A6-(0-1)	BAR-S-PILOT-C0 6B1-(0-1)	BAR-S-PILOT-C0 6B4-(0-1)	BAR-S-PILOT-C 06B5-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,3,5-Trinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	4400 [1]
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<10000	3400 [1]	<100000	<4200
2,3-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	9100 [1]
2,4,6-Trinitrotoluene	200 ug/kg dry	3300000 [1]	1500000 [1]	660000 [1]	55000 [1]	1300000 [1]	310000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<10000	3800 [1]	<100000	100000 [1] [3]
2,5-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
2,6-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	27000 [1]
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<100000	<100000	<10000	2600 [1]	<100000	6600 [1]
2-Nitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
3,4-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	13000 [1]
3,5-Dinitroaniline	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
3,5-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
3-Nitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<100000	<100000	20000 [1]	23000 [1]	<100000	5400 [1]
4-Nitrotoluene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
Nitrobenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
RDX	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
Tetryl	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<100000	<100000	<10000	<2100	<100000	<4200
2,2'-Dinitrobiphenyl	140 [surr]	<100000 [2]	<100000 [2]	<10000 [2]	79%	<100000 [2]	120%
Nitrobenzene-d5	140 [surr]	<100000 [2]	<100000 [2]	<10000 [2]	92%	<100000 [2]	120%



SUMMARY REPORT

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LAB #		P132501-67	P132501-68	P132501-69	P132501-70	P132501-71	P132501-72
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 6A3-(0-1)	BAR-S-PILOT-C0 6A5-(0-1)	BAR-S-PILOT-C0 6A6-(0-1)	BAR-S-PILOT-C0 6B1-(0-1)	BAR-S-PILOT-C0 6B4-(0-1)	BAR-S-PILOT-C 06B5-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.8	97.1	96.7	95.8	96.2	96.3
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LAB #		P132501-73	P132501-74	P132501-75	P132501-76	P132501-77	P132501-78
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 6B6-(0-1)	BAR-S-PILOT-C0 7A1-(0-1)	BAR-S-PILOT-C0 7A3-(0-1)	BAR-S-PILOT-C0 7A4-(0-1)	BAR-S-PILOT-C0 7A6-(0-1)	BAR-S-PILOT-C 21A4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,3,5-Trinitrobenzene	200 ug/kg dry	<4100	<210	210 [3]	<200	<1000	<100000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	240	310	300	<1000	<100000
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,3-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<4100	260	310	270	<1000	<100000
2,3-Dinitrotoluene	200 ug/kg dry	<4100	<210	<210	290	<1000	<100000
2,4,6-Trinitrotoluene	200 ug/kg dry	34000 [1]	2400	8400	5000	8500 [1]	13000000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<4100	1100 [3]	1400 [3]	2400 [3]	1200 [1]	<100000
2,5-Dinitrotoluene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
2,6-Dinitrotoluene	200 ug/kg dry	<4100	520	590	1200	1200 [1]	<100000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<4100	770	1200	1100	1300 [1]	<100000
2-Nitrotoluene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
3,4-Dinitrotoluene	200 ug/kg dry	<4100	220	250	420	<1000	<100000
3,5-Dinitroaniline	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
3,5-Dinitrotoluene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
3-Nitrotoluene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	8200 [1]	1300	2700	2700	2700 [1]	<100000
4-Nitrotoluene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
Nitrobenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
RDX	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
Tetryl	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<4100	<210	<210	<200	<1000	<100000
2,2'-Dinitrobiphenyl	140 [surr]	110%	110%	110%	110%	74%	<100000 [2]
Nitrobenzene-d5	140 [surr]	110%	110%	110%	110%	91%	<100000 [2]



SUMMARY REPORT

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LAB #		P132501-73	P132501-74	P132501-75	P132501-76	P132501-77	P132501-78
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 6B6-(0-1)	BAR-S-PILOT-C0 7A1-(0-1)	BAR-S-PILOT-C0 7A3-(0-1)	BAR-S-PILOT-C0 7A4-(0-1)	BAR-S-PILOT-C0 7A6-(0-1)	BAR-S-PILOT-C 21A4-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.4	97.4	97.5	97.6	97.1	98.3
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LAB #		P132501-79	P132501-80	P132501-81	P132501-82	P132501-83	P132501-84
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C2 1B1-(0-1)	BAR-S-PILOT-C2 1B2-(0-1)	BAR-S-PILOT-C2 1B3-(0-1)	BAR-S-PILOT-C2 1B4-(0-1)	BAR-S-PILOT-C1 7B3-(0-1)	BAR-S-PILOT-C 17B4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	61000 [1]	28000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	63000 [1]	20000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	16000 [1]	<10000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	19000 [1]	<10000
1,3,5-Trinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	110000 [1]	47000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
1,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	110000 [1]	55000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	14000 [1]	<10000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	52000 [1]	25000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	300000 [1]	150000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	11000 [1]	<10000
2,4,6-Trinitrotoluene	200 ug/kg dry	1000000 [1]	6700000 [1]	4700000 [1]	3900000 [1]	12000 [1]	15000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
2,5-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
2,6-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
2-Nitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
3,4-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	14000 [1]	<10000
3,5-Dinitroaniline	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
3,5-Dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
3-Nitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
4-Nitrotoluene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
Nitrobenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
RDX	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
Tetryl	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<100000	<100000	<100000	<100000	<10000	<10000
2,2'-Dinitrobiphenyl	140 [surr]	<100000 [2]	<100000 [2]	<100000 [2]	<100000 [2]	150% [2]	150% [2]
Nitrobenzene-d5	140 [surr]	<100000 [2]	<100000 [2]	<100000 [2]	<100000 [2]	49% [2]	30% [2]



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LAB #		P132501-79	P132501-80	P132501-81	P132501-82	P132501-83	P132501-84
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C2 1B1-(0-1)	BAR-S-PILOT-C2 1B2-(0-1)	BAR-S-PILOT-C2 1B3-(0-1)	BAR-S-PILOT-C2 1B4-(0-1)	BAR-S-PILOT-C1 7B3-(0-1)	BAR-S-PILOT-C 17B4-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	97.2	98.2	98.1	98.8	95.5	95.6
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LAB #		P132501-85	P132501-86	P132501-87	P132501-88	P132501-89	P132501-90
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 8A1-(0-1)	BAR-S-PILOT-C1 8A2-(0-1)	BAR-S-PILOT-C1 8A3-(0-1)	BAR-S-PILOT-C1 8A4-(0-1)	BAR-S-PILOT-C1 8B1-(0-1)	BAR-S-PILOT-C 18B2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	260	240	250	230	380
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	210	310	300	260	270	610
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	420	790	800	530	830	1300
2,3-Dinitrotoluene	200 ug/kg dry	690	<210	830	<210	<210	<210
2,4,6-Trinitrotoluene	200 ug/kg dry	5600	550	390	240	290	220
2,4-Dinitrotoluene	200 ug/kg dry	1100 [3]	1200 [3]	1300 [3]	1500 [3]	1100 [3]	1300 [3]
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	320	330	390	300	300	380
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
RDX	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Tetryl	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,2'-Dinitrobiphenyl	140 [surr]	110%	120%	110%	110%	120%	110%
Nitrobenzene-d5	140 [surr]	110%	110%	110%	110%	63%	110%



SUMMARY REPORT

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LAB #		P132501-85	P132501-86	P132501-87	P132501-88	P132501-89	P132501-90
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 8A1-(0-1)	BAR-S-PILOT-C1 8A2-(0-1)	BAR-S-PILOT-C1 8A3-(0-1)	BAR-S-PILOT-C1 8A4-(0-1)	BAR-S-PILOT-C1 8B1-(0-1)	BAR-S-PILOT-C1 18B2-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	97.3	96.5	96.3	96.7	96.4	97.3
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LAB #		P132501-91	P132501-92	P132501-93	P132501-94	P132501-95	P132501-96
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 8B3-(0-1)	BAR-S-PILOT-C1 8B4-(0-1)	BAR-S-PILOT-C1 9-(0-1)	BAR-S-PILOT-C1 6A3-(0-1)	BAR-S-PILOT-C1 6A4-(0-1)	BAR-S-PILOT-C 16B1-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,3,5-Trinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<200	350	<10000	<10000	<1000	<1000
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,3-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<200	430	<10000	<10000	<1000	<1000
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	390	870	<10000	<10000	<1000	<1000
2,3-Dinitrotoluene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
2,4,6-Trinitrotoluene	200 ug/kg dry	270	230	240000 [1]	320000 [1]	39000 [1]	45000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	1300 [3]	1100 [3]	<10000	<10000	1000 [1]	<1000
2,5-Dinitrotoluene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
2,6-Dinitrotoluene	200 ug/kg dry	340	300	<10000	<10000	<1000	<1000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<200	<210	<10000	45000 [1]	14000 [1]	3900 [1]
2-Nitrotoluene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
3,4-Dinitrotoluene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
3,5-Dinitroaniline	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
3,5-Dinitrotoluene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
3-Nitrotoluene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<200	<210	12000 [1]	36000 [1]	22000 [1]	6800 [1]
4-Nitrotoluene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
Nitrobenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
RDX	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
Tetryl	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<200	<210	<10000	<10000	<1000	<1000
2,2'-Dinitrobiphenyl	140 [surr]	120%	120%	<10000 [2]	<10000 [2]	86%	82%
Nitrobenzene-d5	140 [surr]	110%	120%	<10000 [2]	<10000 [2]	95%	94%



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LAB #		P132501-91	P132501-92	P132501-93	P132501-94	P132501-95	P132501-96
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 8B3-(0-1)	BAR-S-PILOT-C1 8B4-(0-1)	BAR-S-PILOT-C1 9-(0-1)	BAR-S-PILOT-C1 6A3-(0-1)	BAR-S-PILOT-C1 6A4-(0-1)	BAR-S-PILOT-C 16B1-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	98.2	96.9	97.7	96.5	97.0	96.5
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LAB #		P132501-97	P132501-98	P132501-99	P132601-01	P132601-02	P132601-03
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 6B2-(0-1)	BAR-S-PILOT-C1 6B3-(0-1)	BAR-S-PILOT-C1 6B4-(0-1)	BAR-S-PILOT-C1 7A1-(0-1)	BAR-S-PILOT-C1 7A2-(0-1)	BAR-S-PILOT-C 17A3-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	19000 [1]	29000 [1]	39000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	9000 [1]	17000 [1]	33000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	<4200	6300 [1]	9300 [1]
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	5600 [1]	8400 [1]	11000 [1]
1,3,5-Trinitrobenzene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	28000 [1]	41000 [1]	61000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
1,3-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	35000 [1]	47000 [1]	64000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	<4200	5300 [1]	7900 [1]
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	14000 [1]	21000 [1]	32000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<10000	<210	<210	86000 [1]	120000 [1]	170000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	5600 [1]
2,4,6-Trinitrotoluene	200 ug/kg dry	110000 [1]	1400	1400	<4200	<4200	6700 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
2,5-Dinitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
2,6-Dinitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<10000	1400	910	<4200	<4200	<4200
2-Nitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
3,4-Dinitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	5800 [1]	8500 [1]
3,5-Dinitroaniline	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
3,5-Dinitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
3-Nitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	20000 [1]	2600	2000	<4200	<4200	<4200
4-Nitrotoluene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
Nitrobenzene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
RDX	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
Tetryl	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<10000	<210	<210	<4200	<4200	<4200
2,2'-Dinitrobiphenyl	140 [surr]	<10000 [2]	96%	93%	89%	95%	98%
Nitrobenzene-d5	140 [surr]	<10000 [2]	94%	96%	110%	110%	110%



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LAB #		P132501-97	P132501-98	P132501-99	P132601-01	P132601-02	P132601-03
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 6B2-(0-1)	BAR-S-PILOT-C1 6B3-(0-1)	BAR-S-PILOT-C1 6B4-(0-1)	BAR-S-PILOT-C1 7A1-(0-1)	BAR-S-PILOT-C1 7A2-(0-1)	BAR-S-PILOT-C1 17A3-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.8	96.0	95.8	95.5	95.3	95.4
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LAB #		P132601-04	P132601-05	P132601-06	P132601-07	P132601-08	P132601-09
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 7A4-(0-1)	BAR-S-PILOT-C1 7B1-(0-1)	BAR-S-PILOT-C1 7B2-(0-1)	BAR-S-PILOT-C1 2B2-(0-1)	BAR-S-PILOT-C1 2B3-(0-1)	BAR-S-PILOT-C 12B4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	52000 [1]	30000 [1]	53000 [1]	<41000	<41000	<42000
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	44000 [1]	23000 [1]	50000 [1]	<41000	<41000	<42000
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	11000 [1]	6700 [1]	12000 [1]	<41000	<41000	<42000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	16000 [1]	8200 [1]	15000 [1]	<41000	<41000	<42000
1,3,5-Trinitrobenzene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	71000 [1]	48000 [1]	94000 [1]	<41000	<41000	<42000
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
1,3-Dinitrobenzene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	78000 [1]	50000 [1]	94000 [1]	<41000	<41000	<42000
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	9700 [1]	6200 [1]	10000 [1]	<41000	<41000	<42000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	38000 [1]	26000 [1]	45000 [1]	<41000	<41000	<42000
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	4600 [1]	<4200	5000 [1]	<41000	<41000	<42000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	190000 [1]	130000 [1]	250000 [1]	<41000	<41000	<42000
2,3-Dinitrotoluene	200 ug/kg dry	6000 [1]	4700 [1]	8700 [1]	<41000	<41000	<42000
2,4,6-Trinitrotoluene	200 ug/kg dry	6400 [1]	5000 [1]	7300 [1]	890000 [1]	2600000 [1]	1900000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	160000 [1]	160000 [1]
2,5-Dinitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
2,6-Dinitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	64000 [1]	91000 [1]
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
2-Nitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
3,4-Dinitrotoluene	200 ug/kg dry	8900 [1]	7500 [1]	13000 [1]	<41000	<41000	<42000
3,5-Dinitroaniline	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
3,5-Dinitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
3-Nitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
4-Nitrotoluene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
Nitrobenzene	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
RDX	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
Tetryl	200 ug/kg dry	<4200	<4200	<4200	<41000	<41000	<42000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	4900 [1]	<4200	<4200	<41000	<41000	<42000
2,2'-Dinitrobiphenyl	140 [surr]	100%	99%	100%	<42000 [2]	<41000 [2]	<42000 [2]
Nitrobenzene-d5	140 [surr]	66%	100%	97%	<42000 [2]	<41000 [2]	<42000 [2]



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LAB #		P132601-04	P132601-05	P132601-06	P132601-07	P132601-08	P132601-09
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 7A4-(0-1)	BAR-S-PILOT-C1 7B1-(0-1)	BAR-S-PILOT-C1 7B2-(0-1)	BAR-S-PILOT-C1 2B2-(0-1)	BAR-S-PILOT-C1 2B3-(0-1)	BAR-S-PILOT-C1 12B4-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	95.6	95.5	94.6	96.4	96.6	96.3
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LAB #		P132601-10	P132601-11	P132601-12	P132601-13	P132601-14	P132601-15
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 3A1-(0-1)	BAR-S-PILOT-C1 3A2-(0-1)	BAR-S-PILOT-C1 3A3-(0-1)	BAR-S-PILOT-C1 3A4-(0-1)	BAR-S-PILOT-C1 3B1-(0-1)	BAR-S-PILOT-C 13B2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	370	360	350	320	330
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	340	340	340	230	240
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	690	1100	890	930	480	520
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	270	240	<210	<210
2,4,6-Trinitrotoluene	200 ug/kg dry	<210	310	350	390	330	420
2,4-Dinitrotoluene	200 ug/kg dry	220	<210	330	300	<210	270
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
2,6-Dinitrotoluene	200 ug/kg dry	<210	<210	220	220	<210	<210
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	210	<210	<210
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	310	280	<210	<210
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	<210	210	230	<210	<210
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<210
RDX	200 ug/kg dry	<210	<210	<210	<210	<210	<210
Tetryl	200 ug/kg dry	<210	<210	<210	<210	<210	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	270	<210	<210	480
2,2'-Dinitrobiphenyl	140 [surr]	88%	92%	91%	90%	90%	88%
Nitrobenzene-d5	140 [surr]	91%	100%	100%	100%	110%	99%



SUMMARY REPORT

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LAB #		P132601-10	P132601-11	P132601-12	P132601-13	P132601-14	P132601-15
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 3A1-(0-1)	BAR-S-PILOT-C1 3A2-(0-1)	BAR-S-PILOT-C1 3A3-(0-1)	BAR-S-PILOT-C1 3A4-(0-1)	BAR-S-PILOT-C1 3B1-(0-1)	BAR-S-PILOT-C1 13B2-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.7	96.1	96.6	95.9	96.0	96.2
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LAB #		P132601-16	P132601-17	P132601-18	P132601-19	P132601-20	P132601-21
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 3B3-(0-1)	BAR-S-PILOT-C1 3B4-(0-1)	BAR-S-PILOT-C1 4A3-(0-1)	BAR-S-PILOT-C1 1A2-(0-1)	BAR-S-PILOT-C1 1A3-(0-1)	BAR-S-PILOT-C 11A4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	320	<1000
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	340	<1000
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	250	290	<210	<210	580	1100 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	340	390	<210	<210	570	1100 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	250	<1000
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	1400	1200	<210	240	2200	3200 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	270	<210	<210	<1000
2,4,6-Trinitrotoluene	200 ug/kg dry	310	260	2800	<210	220	<1000
2,4-Dinitrotoluene	200 ug/kg dry	220	220	740	<210	210	<1000
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
2,6-Dinitrotoluene	200 ug/kg dry	<210	<210	730	<210	<210	<1000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	<210	410	<210	<210	<1000
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	380	<210	<210	<1000
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	<210	1400	<210	<210	<1000
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
RDX	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
Tetryl	200 ug/kg dry	<210	<210	<210	<210	<210	<1000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	<210	<210	630	2500	48000 [1]
2,2'-Dinitrobiphenyl	140 [surr]	88%	87%	93%	83%	86%	92%
Nitrobenzene-d5	140 [surr]	94%	93%	93%	94%	95%	68%



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LAB #		P132601-16	P132601-17	P132601-18	P132601-19	P132601-20	P132601-21
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 3B3-(0-1)	BAR-S-PILOT-C1 3B4-(0-1)	BAR-S-PILOT-C1 4A3-(0-1)	BAR-S-PILOT-C1 1A2-(0-1)	BAR-S-PILOT-C1 1A3-(0-1)	BAR-S-PILOT-C 11A4-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.4	96.7	95.2	95.4	95.8	95.6
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Special Notes

- 1 = Data reported from a dilution
- 2 = Diluted out.
- 3 = Results may be biased high because of high continuing calibration verification (CCV).
- 4 = Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.



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LAB #		P132601-22	P132601-23	P132601-24	P132601-25	P132601-26	P132601-27
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 1B1-(0-1)	BAR-S-PILOT-C1 1B2-(0-1)	BAR-S-PILOT-C1 1B3-(0-1)	BAR-S-PILOT-C1 1B4-(0-1)	BAR-S-PILOT-C1 2A1-(0-1)	BAR-S-PILOT-C1 12A2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	1600 [1]	<110000	<110000
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	1700 [1]	<110000	<110000
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	240	<210	2400 [1]	<110000	<110000
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	2700 [1]	<110000	<110000
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	1200 [1]	<110000	<110000
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	280	290	8700 [1]	<110000	<110000
2,3-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
2,4,6-Trinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	2200000 [1]	830000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	3000000 [1]	150000 [1]
2,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
2,6-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	200000 [1]	<110000
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
2-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
3,4-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
3,5-Dinitroaniline	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
3,5-Dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
3-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
4-Nitrotoluene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
Nitrobenzene	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
RDX	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
Tetryl	200 ug/kg dry	<210	<210	<210	<1100	<110000	<110000
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	510	<210	3800	4000 [1]	<110000	<110000
2,2'-Dinitrobiphenyl	140 [surr]	81%	74%	79%	87%	<110000 [2]	<110000 [2]
Nitrobenzene-d5	140 [surr]	94%	92%	93%	100%	<110000 [2]	<110000 [2]



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LAB #		P132601-22	P132601-23	P132601-24	P132601-25	P132601-26	P132601-27
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 1B1-(0-1)	BAR-S-PILOT-C1 1B2-(0-1)	BAR-S-PILOT-C1 1B3-(0-1)	BAR-S-PILOT-C1 1B4-(0-1)	BAR-S-PILOT-C1 2A1-(0-1)	BAR-S-PILOT-C 12A2-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	95.7	95.7	94.2	94.0	93.2	93.5
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LAB #		P132601-28	P132601-29	P132601-30	P132601-31	P132601-32	P132601-33
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 2A3-(0-1)	BAR-S-PILOT-C1 2A4-(0-1)	BAR-S-PILOT-C1 2B1-(0-1)	C23-1A-S	C23-2A-S	C23-3A-T

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	54000 [1]
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	48000 [1]
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	12000 [1]
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	16000 [1]
1,3,5-Trinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	88000 [1]
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
1,3-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	92000 [1]
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	11000 [1]
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	43000 [1]
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	4800 [1]
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	250000 [1]
2,3-Dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	6900 [1]
2,4,6-Trinitrotoluene	200 ug/kg dry	470000 [1]	590000 [1]	180000 [1]	3300000 [1]	<100000	12000 [1]
2,4-Dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	4300 [1]	<100000	<4200
2,5-Dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
2,6-Dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	7800 [1]	<100000	<4200
2-Nitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
3,4-Dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	10000 [1]
3,5-Dinitroaniline	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
3,5-Dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
3-Nitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<110000	<110000	<4300	7400 [1]	<100000	<4200
4-Nitrotoluene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
Nitrobenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
RDX	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
Tetryl	200 ug/kg dry	<110000	<110000	<4300	<4100	<100000	<4200
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<110000	<110000	<4300	<4100	4600000 [1]	11000 [1]
2,2'-Dinitrobiphenyl	140 [surr]	<110000 [2]	<110000 [2]	97%	98%	<100000 [2]	100%
Nitrobenzene-d5	140 [surr]	<110000 [2]	<110000 [2]	94%	94%	<100000 [2]	94%



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LAB #		P132601-28	P132601-29	P132601-30	P132601-31	P132601-32	P132601-33
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 2A3-(0-1)	BAR-S-PILOT-C1 2A4-(0-1)	BAR-S-PILOT-C1 2B1-(0-1)	C23-1A-S	C23-2A-S	C23-3A-T

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	92.8	93.8	94.0	97.4	98.1	96.0
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LAB #		P132601-34	P132601-35	P132601-36	P132601-37	P132601-38	P132601-39
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	TSI 0613-VAA002	BAR-S-PILOT-C0 8B2-(0-1)	BAR-S-PILOT-C0 8B3-(0-1)	BAR-S-PILOT-C0 8B4-(0-1)	BAR-S-PILOT-C1 0A1-(0-1)	BAR-S-PILOT-C 10A2-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,3,5-Trinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,3-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	300
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<200	410	430	450	480	1100
2,3-Dinitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	290
2,4,6-Trinitrotoluene	200 ug/kg dry	<200	<210	210	220	310	280
2,4-Dinitrotoluene	200 ug/kg dry	<200	2400	2300	1900	1100	10000
2,5-Dinitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
2,6-Dinitrotoluene	200 ug/kg dry	<200	320	270	300	<220	390
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
2-Nitrotoluene	200 ug/kg dry	<200	210	<210	<220	<220	<220
3,4-Dinitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	520
3,5-Dinitroaniline	200 ug/kg dry	<200	<210	<210	<220	<220	<220
3,5-Dinitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
3-Nitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
4-Nitrotoluene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
Nitrobenzene	200 ug/kg dry	<200	<210	<210	<220	<220	<220
RDX	200 ug/kg dry	<200	<210	<210	<220	<220	<220
Tetryl	200 ug/kg dry	<200	<210	<210	<220	<220	<220
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<200	360	<210	240	<220	<220
2,2'-Dinitrobiphenyl	140 [surr]	93%	96%	95%	95%	95%	96%
Nitrobenzene-d5	140 [surr]	110%	110%	100%	100%	98%	100%



SUMMARY REPORT

2525 Advance Road
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URS Corporation	Project: DuPont Barksdale Explosives Plant - Barksdale, WI
4051 Ogletown Road, Ste 300	Project Number: LBIO-66526 Amendment 11
Newark, DE 19713	Project Manager: Jon Hammerberg
SAMPLED: 06/12/2013 to 06/25/2013	
RECEIVED: 06/21/2013	

LAB #		P132601-34	P132601-35	P132601-36	P132601-37	P132601-38	P132601-39
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	TSI 0613-VAA002	BAR-S-PILOT-C0 8B2-(0-1)	BAR-S-PILOT-C0 8B3-(0-1)	BAR-S-PILOT-C0 8B4-(0-1)	BAR-S-PILOT-C1 0A1-(0-1)	BAR-S-PILOT-C 10A2-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	99.1	93.6	94.1	92.9	91.2	91.5
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132601-40	P132601-41	P132601-42	P132601-43	P132601-44	P132601-45
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 0A3-(0-1)	BAR-S-PILOT-C1 0A4-(0-1)	BAR-S-PILOT-C1 0B1-(0-1)	BAR-S-PILOT-C1 0B2-(0-1)	BAR-S-PILOT-C1 0B3-(0-1)	BAR-S-PILOT-C 10B4-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<220	<220	830	360	<220	<210
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<220	<220	600	330	<220	<210
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<220	<220	230	<210	<220	<210
1,3,5-Trinitrobenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<220	<220	1400	680	<220	<210
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
1,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<220	2100	1200	<220	<210
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<220	<220	970	440	<220	<210
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	860	410	7300	4500	520	430
2,3-Dinitrotoluene	200 ug/kg dry	<220	<220	880	210	<220	<210
2,4,6-Trinitrotoluene	200 ug/kg dry	220	270	480	240	<220	<210
2,4-Dinitrotoluene	200 ug/kg dry	840	660	1500	580	1500	1400
2,5-Dinitrotoluene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
2,6-Dinitrotoluene	200 ug/kg dry	<220	<220	380	210	7300	230
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<220	<220	250	<210	<220	<210
2-Nitrotoluene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
3,4-Dinitrotoluene	200 ug/kg dry	<220	<220	1400	370	<220	220
3,5-Dinitroaniline	200 ug/kg dry	<220	<220	<220	<210	<220	<210
3,5-Dinitrotoluene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
3-Nitrotoluene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<220	<220	340	<210	<220	<210
4-Nitrotoluene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
Nitrobenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
RDX	200 ug/kg dry	<220	<220	<220	<210	<220	<210
Tetryl	200 ug/kg dry	<220	<220	<220	<210	<220	<210
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<220	<220	<220	<210	<220	<210
2,2'-Dinitrobiphenyl	140 [surr]	95%	93%	99%	90%	97%	85%
Nitrobenzene-d5	140 [surr]	100%	100%	100%	96%	100%	95%



SUMMARY REPORT

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URS Corporation	Project: DuPont Barksdale Explosives Plant - Barksdale, WI
4051 Ogletown Road, Ste 300	Project Number: LBIO-66526 Amendment 11
Newark, DE 19713	Project Manager: Jon Hammerberg
SAMPLED: 06/12/2013 to 06/25/2013	
RECEIVED: 06/21/2013	

LAB #		P132601-40	P132601-41	P132601-42	P132601-43	P132601-44	P132601-45
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 0A3-(0-1)	BAR-S-PILOT-C1 0A4-(0-1)	BAR-S-PILOT-C1 0B1-(0-1)	BAR-S-PILOT-C1 0B2-(0-1)	BAR-S-PILOT-C1 0B3-(0-1)	BAR-S-PILOT-C 10B4-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	91.6	89.5	90.8	95.6	90.6	94.9
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132601-46	P132601-47	P132601-48	P132601-49	P132601-50	P132601-51
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 1A1-(0-1)	BAR-S-PILOT-C0 4-(0-1)	BAR-S-PILOT-C0 4A4-(0-1)	BAR-S-PILOT-C0 4B1-(0-1)	BAR-S-PILOT-C0 4B3-(0-1)	BAR-S-PILOT-C 05A3-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<220	140000 [1]	180000 [1]	66000 [1]	190000 [1]	<220
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<220	130000 [1]	170000 [1]	59000 [1]	180000 [1]	<220
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<220	50000 [1]	62000 [1]	<43000	64000 [1]	<220
1,3,5-Trinitrobenzene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<220	180000 [1]	230000 [1]	61000 [1]	250000 [1]	230
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
1,3-Dinitrobenzene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	230000 [1]	290000 [1]	92000 [1]	300000 [1]	370
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<220	79000 [1]	100000 [1]	<43000	120000 [1]	<220
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	230	810000 [1]	990000 [1]	320000 [1]	1000000 [1]	660
2,3-Dinitrotoluene	200 ug/kg dry	230	<42000	<43000	<43000	<44000	1600
2,4,6-Trinitrotoluene	200 ug/kg dry	220	<42000	45000 [1]	<43000	51000 [1]	260
2,4-Dinitrotoluene	200 ug/kg dry	310	<42000	<43000	<43000	<44000	1900
2,5-Dinitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
2,6-Dinitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	570
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
2-Nitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
3,4-Dinitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	1600
3,5-Dinitroaniline	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
3,5-Dinitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	280
3-Nitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
4-Nitrotoluene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
Nitrobenzene	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
RDX	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
Tetryl	200 ug/kg dry	<220	<42000	<43000	<43000	<44000	<220
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	1600	<42000	<43000	<43000	<44000	280
2,2'-Dinitrobiphenyl	140 [surr]	85%	<42000 [2]	<43000 [2]	<43000 [2]	<44000 [2]	89%
Nitrobenzene-d5	140 [surr]	94%	<42000 [2]	<43000 [2]	<43000 [2]	<44000 [2]	90%



SUMMARY REPORT

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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132601-46	P132601-47	P132601-48	P132601-49	P132601-50	P132601-51
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C1 1A1-(0-1)	BAR-S-PILOT-C0 4-(0-1)	BAR-S-PILOT-C0 4A4-(0-1)	BAR-S-PILOT-C0 4B1-(0-1)	BAR-S-PILOT-C0 4B3-(0-1)	BAR-S-PILOT-C 05A3-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	90.2	94.8	92.5	92.5	90.0	92.7
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URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713 SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013	Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg
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LAB #		P132601-52	P132601-53	P132601-54	P132601-55	P132601-56	P132601-57
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 5A5-(0-1)	BAR-S-PILOT-C0 5A6-(0-1)	BAR-S-PILOT-C0 5B1-(0-1)	BAR-S-PILOT-C0 5B2-(0-1)	BAR-S-PILOT-C0 5B4-(0-1)	BAR-S-PILOT-C 05B5-(0-1)

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	400	<220	<220
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,3,5-Trinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	550	240	<220
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,3-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<1100	240	<210	1100	410	<220
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	490	260	<220
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	1100 [1]	500	260	1200	570	240
2,3-Dinitrotoluene	200 ug/kg dry	3600 [1]	330	490	5500	1200	420
2,4,6-Trinitrotoluene	200 ug/kg dry	<1100	220	<210	540	310	<220
2,4-Dinitrotoluene	200 ug/kg dry	4200 [1]	1600	1500	4100	28000 [1]	3600
2,5-Dinitrotoluene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
2,6-Dinitrotoluene	200 ug/kg dry	23000 [1]	510	390	1500	45000 [1]	880
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
2-Nitrotoluene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
3,4-Dinitrotoluene	200 ug/kg dry	3800 [1]	470	520	8400	2100	400
3,5-Dinitroaniline	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
3,5-Dinitrotoluene	200 ug/kg dry	<1100	<210	<210	520	260	<220
3-Nitrotoluene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<1100	<210	<210	230	<220	<220
4-Nitrotoluene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
Nitrobenzene	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
RDX	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
Tetryl	200 ug/kg dry	<1100	<210	<210	<220	<220	<220
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<1100	<210	<210	440	<220	<220
2,2'-Dinitrobiphenyl	140 [surr]	59% [3]	85%	85%	97%	96%	92%
Nitrobenzene-d5	140 [surr]	88%	92%	93%	93%	94%	95%



SUMMARY REPORT

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<p>URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713</p> <p>SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013</p>	<p>Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg</p>
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LAB #		P132601-52	P132601-53	P132601-54	P132601-55	P132601-56	P132601-57
MATRIX	Minimum	Soil	Soil	Soil	Soil	Soil	Soil
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 5A5-(0-1)	BAR-S-PILOT-C0 5A6-(0-1)	BAR-S-PILOT-C0 5B1-(0-1)	BAR-S-PILOT-C0 5B2-(0-1)	BAR-S-PILOT-C0 5B4-(0-1)	BAR-S-PILOT-C 05B5-(0-1)

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	92.4	95.4	94.6	90.0	90.8	89.5
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SUMMARY REPORT

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<p>URS Corporation 4051 Ogletown Road, Ste 300 Newark, DE 19713</p> <p>SAMPLED: 06/12/2013 to 06/25/2013 RECEIVED: 06/21/2013</p>	<p>Project: DuPont Barksdale Explosives Plant - Barksdale, WI Project Number: LBIO-66526 Amendment 11 Project Manager: Jon Hammerberg</p>
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LAB #	Minimum	Soil	-	-	-	-	-
MATRIX	Reporting Limit	BAR-S-PILOT-C0	-	-	-	-	-
SAMPLE ID	5B6-(0-1)	-	-	-	-	-	-

Explosive Compounds by EPA Method 8270 (Soil)

1,2-Dimethyl-3,4-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,2-Dimethyl-3,5-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,2-Dimethyl-3,6-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,2-Dimethyl-4,5-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,3,5-Trinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,3-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,3-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,3-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,4-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,4-Dimethyl-2,5-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,4-Dimethyl-2,6-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,5-Dimethyl-2,3-Dinitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
1,5-Dimethyl-2,4-Dinitrobenzene	200 ug/kg dry	240	-	-	-	-	-
2,3-Dinitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
2,4,6-Trinitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
2,4-Dinitrotoluene	200 ug/kg dry	93000 [1]	-	-	-	-	-
2,5-Dinitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
2,6-Dinitrotoluene	200 ug/kg dry	760	-	-	-	-	-
2-Amino-4,6-dinitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
2-Nitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
3,4-Dinitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
3,5-Dinitroaniline	200 ug/kg dry	<210	-	-	-	-	-
3,5-Dinitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
3-Nitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
4-Amino-2,6-dinitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
4-Nitrotoluene	200 ug/kg dry	<210	-	-	-	-	-
Nitrobenzene	200 ug/kg dry	<210	-	-	-	-	-
RDX	200 ug/kg dry	<210	-	-	-	-	-
Tetryl	200 ug/kg dry	<210	-	-	-	-	-
1,3,5-Trinitro-2,4-dimethylbenzene	200 ug/kg dry	<210	-	-	-	-	-
2,2'-Dinitrobiphenyl	140 [surr]	90%	-	-	-	-	-
Nitrobenzene-d5	140 [surr]	93%	-	-	-	-	-



SUMMARY REPORT

2525 Advance Road
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URS Corporation	Project: DuPont Barksdale Explosives Plant - Barksdale, WI
4051 Ogletown Road, Ste 300	Project Number: LBIO-66526 Amendment 11
Newark, DE 19713	Project Manager: Jon Hammerberg
SAMPLED: 06/12/2013 to 06/25/2013	
RECEIVED: 06/21/2013	

LAB #		P132601-58	-	-	-	-	-
MATRIX	Minimum	Soil	-	-	-	-	-
SAMPLE ID	Reporting Limit	BAR-S-PILOT-C0 5B6-(0-1)	-	-	-	-	-

Classical Chemistry Parameters (Soil)

% Solids	0.00 % by Weight	96.0	-	-	-	-	-
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Special Notes

- 1 = Data reported from a dilution
- 2 = Diluted out.
- 3 = Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.



Appendix B

Detailed Report with Quality Control Results



2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C02A4-(0-1)	P132501-01	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02A5-(0-1)	P132501-02	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02A5-DUP-(0-1)	P132501-03	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02A5-MS-(0-1)	P132501-04	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02A5-MSD-(0-1)	P132501-05	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02-DUP-(0-1)	P132501-06	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02-MS-(0-1)	P132501-07	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02-MSD-(0-1)	P132501-08	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C03-(0-1)	P132501-09	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C03A4-(0-1)	P132501-10	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C03A5-(0-1)	P132501-11	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C03A6-(0-1)	P132501-12	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C01-(0-1)	P132501-13	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C01A2-(0-1)	P132501-14	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C01B3-(0-1)	P132501-15	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C01B6-(0-1)	P132501-16	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02-(0-1)	P132501-17	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C02A3-(0-1)	P132501-18	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C07B2-(0-1)	P132501-19	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C07B3-(0-1)	P132501-20	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C07B5-(0-1)	P132501-21	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C07B6-(0-1)	P132501-22	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08A1-(0-1)	P132501-23	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08A2-(0-1)	P132501-24	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08A3-(0-1)	P132501-25	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08A4-(0-1)	P132501-26	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08A4-DUP-(0-1)	P132501-27	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08A4-MS-(0-1)	P132501-28	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08A4-MSD-(0-1)	P132501-29	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08B1-(0-1)	P132501-30	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14A5-(0-1)	P132501-31	Soil	06/12/2013	06/21/2013



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C14A6-(0-1)	P132501-32	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B1-(0-1)	P132501-33	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B2-(0-1)	P132501-34	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B4-(0-1)	P132501-35	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B4-DUP-(0-1)	P132501-36	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B4-MS-(0-1)	P132501-37	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B4-MSD-(0-1)	P132501-38	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B5-(0-1)	P132501-39	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C14B6-(0-1)	P132501-40	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15A1-(0-1)	P132501-41	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15A4-(0-1)	P132501-42	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15A2-(0-1)	P132501-43	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15A3-(0-1)	P132501-44	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15B1-(0-1)	P132501-45	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15B2-(0-1)	P132501-46	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15B3-(0-1)	P132501-47	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15B4-(0-1)	P132501-48	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15B4-DUP-(0-1)	P132501-49	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15B4-MS-(0-1)	P132501-50	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C15B4-MSD-(0-1)	P132501-51	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C16A1-(0-1)	P132501-52	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C16A2-(0-1)	P132501-53	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19A1-(0-1)	P132501-54	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19A2-(0-1)	P132501-55	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19A3-(0-1)	P132501-56	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19A4-(0-1)	P132501-57	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19B1-(0-1)	P132501-58	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19B2-(0-1)	P132501-59	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19B3-(0-1)	P132501-60	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C19B4-(0-1)	P132501-61	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21-(0-1)	P132501-62	Soil	06/12/2013	06/21/2013



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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C21A1-(0-1)	P132501-63	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21A2-(0-1)	P132501-64	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21A3-(0-1)	P132501-65	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06A2-(0-1)	P132501-66	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06A3-(0-1)	P132501-67	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06A5-(0-1)	P132501-68	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06A6-(0-1)	P132501-69	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06B1-(0-1)	P132501-70	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06B4-(0-1)	P132501-71	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06B5-(0-1)	P132501-72	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C06B6-(0-1)	P132501-73	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C07A1-(0-1)	P132501-74	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C07A3-(0-1)	P132501-75	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C07A4-(0-1)	P132501-76	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C07A6-(0-1)	P132501-77	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21A4-(0-1)	P132501-78	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21B1-(0-1)	P132501-79	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21B2-(0-1)	P132501-80	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21B3-(0-1)	P132501-81	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C21B4-(0-1)	P132501-82	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C17B3-(0-1)	P132501-83	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C17B4-(0-1)	P132501-84	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18A1-(0-1)	P132501-85	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18A2-(0-1)	P132501-86	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18A3-(0-1)	P132501-87	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18A4-(0-1)	P132501-88	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18B1-(0-1)	P132501-89	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18B2-(0-1)	P132501-90	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18B3-(0-1)	P132501-91	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C18B4-(0-1)	P132501-92	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C19-(0-1)	P132501-93	Soil	06/12/2013	06/21/2013



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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C16A3-(0-1)	P132501-94	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C16A4-(0-1)	P132501-95	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C16B1-(0-1)	P132501-96	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C16B2-(0-1)	P132501-97	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C16B3-(0-1)	P132501-98	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C16B4-(0-1)	P132501-99	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C17A1-(0-1)	P132601-01	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C17A2-(0-1)	P132601-02	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C17A3-(0-1)	P132601-03	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C17A4-(0-1)	P132601-04	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C17B1-(0-1)	P132601-05	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C17B2-(0-1)	P132601-06	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C12B2-(0-1)	P132601-07	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C12B3-(0-1)	P132601-08	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C12B4-(0-1)	P132601-09	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13A1-(0-1)	P132601-10	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13A2-(0-1)	P132601-11	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13A3-(0-1)	P132601-12	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13A4-(0-1)	P132601-13	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13B1-(0-1)	P132601-14	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13B2-(0-1)	P132601-15	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13B3-(0-1)	P132601-16	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C13B4-(0-1)	P132601-17	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C14A3-(0-1)	P132601-18	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C11A2-(0-1)	P132601-19	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C11A3-(0-1)	P132601-20	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C11A4-(0-1)	P132601-21	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C11B1-(0-1)	P132601-22	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C11B2-(0-1)	P132601-23	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C11B3-(0-1)	P132601-24	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C11B4-(0-1)	P132601-25	Soil	06/13/2013	06/21/2013



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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C12A1-(0-1)	P132601-26	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C12A2-(0-1)	P132601-27	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C12A3-(0-1)	P132601-28	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C12A4-(0-1)	P132601-29	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C12B1-(0-1)	P132601-30	Soil	06/13/2013	06/21/2013
C23-1A-S	P132601-31	Soil	06/25/2013	06/21/2013
C23-2A-S	P132601-32	Soil	06/25/2013	06/21/2013
C23-3A-T	P132601-33	Soil	06/25/2013	06/21/2013
TSI 0613-VAA002	P132601-34	Soil	06/24/2013	06/21/2013
BAR-S-PILOT-C08B2-(0-1)	P132601-35	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08B3-(0-1)	P132601-36	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C08B4-(0-1)	P132601-37	Soil	06/12/2013	06/21/2013
BAR-S-PILOT-C10A1-(0-1)	P132601-38	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C10A2-(0-1)	P132601-39	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C10A3-(0-1)	P132601-40	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C10A4-(0-1)	P132601-41	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C10B1-(0-1)	P132601-42	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C10B2-(0-1)	P132601-43	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C10B3-(0-1)	P132601-44	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C10B4-(0-1)	P132601-45	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C11A1-(0-1)	P132601-46	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C04-(0-1)	P132601-47	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C04A4-(0-1)	P132601-48	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C04B1-(0-1)	P132601-49	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C04B3-(0-1)	P132601-50	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C05A3-(0-1)	P132601-51	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C05A5-(0-1)	P132601-52	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C05A6-(0-1)	P132601-53	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C05B1-(0-1)	P132601-54	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C05B2-(0-1)	P132601-55	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C05B4-(0-1)	P132601-56	Soil	06/13/2013	06/21/2013



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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BAR-S-PILOT-C05B5-(0-1)	P132601-57	Soil	06/13/2013	06/21/2013
BAR-S-PILOT-C05B6-(0-1)	P132601-58	Soil	06/13/2013	06/21/2013



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BAR-S-PILOT-C02A4-(0-1)

P132501-01 (Soil)

Date Sampled
06/13/2013 08:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	330000	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	310000	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	120000	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	D
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	670000	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	580000	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	230000	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	2100000	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	D
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 16:38	EPA 8270	

Surrogate: 2,2'-Dinitrophenyl	%	60-140		06/24/2013	06/24/2013 16:38	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%	60-140		06/24/2013	06/24/2013 16:38	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.0	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A5-(0-1)

P132501-02 (Soil)

Date Sampled
06/13/2013 08:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	490000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	460000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	110000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	150000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	960000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	820000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	120000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	350000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	3400000	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	D
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 17:05	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/24/2013	06/24/2013 17:05	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/24/2013	06/24/2013 17:05	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306006

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.5	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A5-DUP-(0-1)

P132501-03 (Soil)

Date Sampled
06/13/2013 08:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	440000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	420000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	100000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	140000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	860000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	780000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	110000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	330000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	3100000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	D
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:16	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/24/2013	06/24/2013 19:16	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/24/2013	06/24/2013 19:16	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.4	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A5-MS-(0-1)

P132501-04 (Soil)

Date Sampled
06/13/2013 08:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	420000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	390000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	130000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	D
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	770000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	740000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	300000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	2900000	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	D
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 19:43	EPA 8270	

Surrogate: 2,2'-Dinitrobiphenyl	%	60-140			06/24/2013	06/24/2013 19:43	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%	60-140			06/24/2013	06/24/2013 19:43	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.5	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A5-MSD-(0-1)

P132501-05 (Soil)

Date Sampled
06/13/2013 08:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

1,2-Dimethyl-3,4-Dinitrobenzene	600000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	600000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	140000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	180000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	1200000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
1,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	1000000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	140000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	490000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	4200000	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	D
2,3-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
2,4,6-Trinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
2,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
2,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
2,6-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
2-Nitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
3,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
3,5-Dinitroaniline	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
3,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
3-Nitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
4-Nitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
Nitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
RDX	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
Tetryl	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 12:53	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/23/2013	06/24/2013 12:53	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/23/2013	06/24/2013 12:53	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

% Solids	90.0	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02-DUP-(0-1)
P132501-06 (Soil)

Date Sampled
06/13/2013 07:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

1,2-Dimethyl-3,4-Dinitrobenzene	270000	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	260000	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	110000	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	D
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	500000	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
1,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	470000	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	210000	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1800000	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	D
2,3-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
2,4,6-Trinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
2,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
2,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
2,6-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
2-Nitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
3,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
3,5-Dinitroaniline	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
3,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
3-Nitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
4-Nitrotoluene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
Nitrobenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
RDX	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
Tetryl	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	110000	ug/kg dry	500	06/23/2013	06/24/2013 13:20	EPA 8270	

Surrogate: 2,2'-Dinitrobiphenyl % 60-140 06/23/2013 06/24/2013 13:20 EPA 8270 DO
Surrogate: Nitrobenzene-d5 % 60-140 06/23/2013 06/24/2013 13:20 EPA 8270 DO

Classical Chemistry Parameters

Preparation Batch: P306005

% Solids	91.4	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C02-MS-(0-1)
P132501-07 (Soil)

Date Sampled
 06/13/2013 07:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	320000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	320000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	74000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	100000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,3,5-Trinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	660000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
1,3-Dinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	610000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	75000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	240000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	2100000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	D
2,3-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
2,4,6-Trinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
2,4-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
2,5-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
2,6-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
2-Nitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
3,4-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
3,5-Dinitroaniline	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
3,5-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
3-Nitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
4-Nitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
Nitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
RDX	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
Tetryl	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:30	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%	60-140			06/23/2013	06/24/2013 20:30	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%	60-140			06/23/2013	06/24/2013 20:30	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	86.2	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02-MSD-(0-1)
P132501-08 (Soil)

Date Sampled
06/13/2013 07:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	280000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	270000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	63000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	85000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,3,5-Trinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	580000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
1,3-Dinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	480000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	59000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	210000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1900000	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	D
2,3-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
2,4,6-Trinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
2,4-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
2,5-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
2,6-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
2-Nitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
3,4-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
3,5-Dinitroaniline	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
3,5-Dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
3-Nitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
4-Nitrotoluene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
Nitrobenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
RDX	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
Tetryl	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	58000	ug/kg dry	250	06/23/2013	06/24/2013 20:57	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%	60-140			06/23/2013	06/24/2013 20:57	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%	60-140			06/23/2013	06/24/2013 20:57	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	86.5	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C03-(0-1)

P132501-09 (Soil)

Date Sampled
06/13/2013 08:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	220000	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	210000	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	72000	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	D
1,3,5-Trinitrobenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	340000	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
1,3-Dinitrobenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	370000	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	140000	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1300000	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	D
2,3-Dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
2,4,6-Trinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
2,4-Dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
2,5-Dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
2,6-Dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
2-Nitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
3,4-Dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
3,5-Dinitroaniline	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
3,5-Dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
3-Nitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
4-Nitrotoluene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
Nitrobenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
RDX	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
Tetryl	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	53000	ug/kg dry	250	06/24/2013	06/24/2013 17:33	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%	60-140			06/24/2013	06/24/2013 17:33	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%	60-140			06/24/2013	06/24/2013 17:33	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	94.4	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C03A4-(0-1)

P132501-10 (Soil)

Date Sampled
06/13/2013 08:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

1,2-Dimethyl-3,4-Dinitrobenzene	270000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	260000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	67000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	83000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,3,5-Trinitrobenzene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	420000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
1,3-Dinitrobenzene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	430000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	58000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	190000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1500000	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	D
2,3-Dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
2,4,6-Trinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
2,4-Dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
2,5-Dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
2,6-Dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
2-Nitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
3,4-Dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
3,5-Dinitroaniline	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
3,5-Dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
3-Nitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
4-Nitrotoluene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
Nitrobenzene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
RDX	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
Tetryl	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	53000	ug/kg dry	250	06/23/2013	06/24/2013 13:47	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/23/2013	06/24/2013 13:47	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/23/2013	06/24/2013 13:47	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

% Solids	94.7	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C03A5-(0-1)

P132501-11 (Soil)

Date Sampled
06/13/2013 08:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

1,2-Dimethyl-3,4-Dinitrobenzene	280000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	270000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	62000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	87000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,3,5-Trinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	460000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
1,3-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	470000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	58000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	190000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1600000	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	D
2,3-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
2,4,6-Trinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
2,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
2,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
2,6-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
2-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
3,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
3,5-Dinitroaniline	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
3,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
3-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
4-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
Nitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
RDX	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
Tetryl	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 14:15	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/23/2013	06/24/2013 14:15	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/23/2013	06/24/2013 14:15	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

% Solids	92.7	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C03A6-(0-1)

P132501-12 (Soil)

Date Sampled
06/13/2013 08:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

1,2-Dimethyl-3,4-Dinitrobenzene	270000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	270000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	65000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	87000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,3,5-Trinitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	440000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
1,3-Dinitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	460000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	64000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	190000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1500000	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	D
2,3-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
2,4,6-Trinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
2,4-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
2,5-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
2,6-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
2-Nitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
3,4-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
3,5-Dinitroaniline	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
3,5-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
3-Nitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
4-Nitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
Nitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
RDX	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
Tetryl	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 14:42	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/23/2013	06/24/2013 14:42	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/23/2013	06/24/2013 14:42	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

% Solids	91.3	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C01-(0-1)
P132501-13 (Soil)

Date Sampled
06/13/2013 07:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	490000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	480000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	120000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	150000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,3,5-Trinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	920000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
1,3-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	820000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	120000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	370000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	2600000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	D
2,3-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
2,4,6-Trinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
2,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
2,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
2,6-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
2-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
3,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
3,5-Dinitroaniline	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
3,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
3-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
4-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
Nitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
RDX	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
Tetryl	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:09	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/23/2013	06/24/2013 15:09	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/23/2013	06/24/2013 15:09	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	92.9	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C01A2-(0-1)

P132501-14 (Soil)

Date Sampled
06/13/2013 07:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	350000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	350000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	80000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	100000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,3,5-Trinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	600000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
1,3-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	620000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	81000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	280000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1800000	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	D
2,3-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
2,4,6-Trinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
2,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
2,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
2,6-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
2-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
3,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
3,5-Dinitroaniline	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
3,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
3-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
4-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
Nitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
RDX	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
Tetryl	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 15:37	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/23/2013	06/24/2013 15:37	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/23/2013	06/24/2013 15:37	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	93.3	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	



2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C01B3-(0-1)
P132501-15 (Soil)

Date Sampled
 06/13/2013 07:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	600000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	620000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	160000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	210000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,3,5-Trinitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	1200000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
1,3-Dinitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	1000000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	160000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	490000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	58000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
1,5-Dimethyl-2,4-Dinitrobenzene	3300000	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	D
2,3-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
2,4,6-Trinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
2,4-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
2,5-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
2,6-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
2-Nitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
3,4-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
3,5-Dinitroaniline	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
3,5-Dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
3-Nitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
4-Nitrotoluene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
Nitrobenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
RDX	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
Tetryl	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	55000	ug/kg dry	250	06/23/2013	06/24/2013 18:13	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/23/2013	06/24/2013 18:13	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/23/2013	06/24/2013 18:13	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	91.6	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	



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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C01B6-(0-1)

P132501-16 (Soil)

Date Sampled
06/13/2013 07:54

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	880000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	890000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	220000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	280000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,3,5-Trinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	1700000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
1,3-Dinitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	1400000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	250000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	700000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	87000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
1,5-Dimethyl-2,4-Dinitrobenzene	4400000	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	D
2,3-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
2,4,6-Trinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
2,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
2,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
2,6-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
2-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
3,4-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
3,5-Dinitroaniline	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
3,5-Dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
3-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
4-Nitrotoluene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
Nitrobenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
RDX	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
Tetryl	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	54000	ug/kg dry	250	06/23/2013	06/24/2013 20:02	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/23/2013	06/24/2013 20:02	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/23/2013	06/24/2013 20:02	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306005

% Solids	92.5	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02-(0-1)
P132501-17 (Soil)

Date Sampled
06/13/2013 07:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	250000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	230000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	460000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	440000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	190000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1700000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	D
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:10	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/24/2013	06/24/2013 20:10	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/24/2013	06/24/2013 20:10	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.8	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C02A3-(0-1)

P132501-18 (Soil)

Date Sampled
06/13/2013 07:58

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	160000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	150000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	240000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	260000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	100000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	910000	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	D
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/24/2013	06/24/2013 20:38	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/24/2013	06/24/2013 20:38	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/24/2013	06/24/2013 20:38	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.3	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C07B2-(0-1)

P132501-19 (Soil)

Date Sampled
 06/12/2013 14:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	230	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	690	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	500	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	250	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	930	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
2,4,6-Trinitrotoluene	2300	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
2,4-Dinitrotoluene	1300	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
2,6-Dinitrotoluene	820	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
2-Amino-4,6-dinitrotoluene	480	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
3,4-Dinitrotoluene	350	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
4-Amino-2,6-dinitrotoluene	1400	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:05	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	88.9 %		60-140		06/24/2013	06/24/2013 21:05	EPA 8270	
Surrogate: Nitrobenzene-d5	89.9 %		60-140		06/24/2013	06/24/2013 21:05	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.3	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C07B3-(0-1)

P132501-20 (Soil)

Date Sampled
06/12/2013 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	620	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	430	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	230	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	860	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
2,3-Dinitrotoluene	420	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
2,4,6-Trinitrotoluene	4600	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
2,4-Dinitrotoluene	1600	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
2,6-Dinitrotoluene	1200	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
2-Amino-4,6-dinitrotoluene	720	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
3,4-Dinitrotoluene	540	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
4-Amino-2,6-dinitrotoluene	3700	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 21:33	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	92.7 %		60-140		06/24/2013	06/24/2013 21:33	EPA 8270	
Surrogate: Nitrobenzene-d5	89.5 %		60-140		06/24/2013	06/24/2013 21:33	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.3	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07B5-(0-1)

P132501-21 (Soil)

Date Sampled
06/12/2013 14:12

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	290	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	320	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	220	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	260	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,3,5-Trinitrobenzene	660	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	HC
1,3-Dimethyl-2,4-Dinitrobenzene	810	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	600	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	330	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1100	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
2,3-Dinitrotoluene	6000	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
2,4,6-Trinitrotoluene	41000	2100	ug/kg dry	10	06/23/2013	06/24/2013 23:14	EPA 8270	D
2,4-Dinitrotoluene	6400	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
2,5-Dinitrotoluene	400	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
2,6-Dinitrotoluene	7600	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
2-Amino-4,6-dinitrotoluene	3900	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	HC
2-Nitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
3,4-Dinitrotoluene	9100	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
3,5-Dinitroaniline	410	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
3,5-Dinitrotoluene	450	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	HC
3-Nitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
4-Amino-2,6-dinitrotoluene	16000	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	300	210	ug/kg dry	1	06/23/2013	06/24/2013 02:53	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	113 %		60-140		06/23/2013	06/24/2013 02:53	EPA 8270	
Surrogate: Nitrobenzene-d5	102 %		60-140		06/23/2013	06/24/2013 02:53	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306005

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	93.4	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	



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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07B6-(0-1)

P132501-22 (Soil)

Date Sampled
06/12/2013 14:14

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	280	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	270	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	250	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,3,5-Trinitrobenzene	380	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	750	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	580	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	290	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1300	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
2,3-Dinitrotoluene	4300	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
2,4,6-Trinitrotoluene	57000	2100	ug/kg dry	10	06/24/2013	06/25/2013 16:04	EPA 8270	D
2,4-Dinitrotoluene	18000	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
2,5-Dinitrotoluene	320	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
2,6-Dinitrotoluene	6800	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
2-Amino-4,6-dinitrotoluene	2400	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
3,4-Dinitrotoluene	6700	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
3,5-Dinitroaniline	320	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
3,5-Dinitrotoluene	370	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
4-Amino-2,6-dinitrotoluene	12000	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	210	210	ug/kg dry	1	06/24/2013	06/24/2013 22:00	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	99.7 %		60-140		06/24/2013	06/24/2013 22:00	EPA 8270	
Surrogate: Nitrobenzene-d5	91.8 %		60-140		06/24/2013	06/24/2013 22:00	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	95.6	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A1-(0-1)

P132501-23 (Soil)

Date Sampled
06/12/2013 15:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306004

1,2-Dimethyl-3,4-Dinitrobenzene	300	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	340	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	210	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	850	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	650	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	320	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1200	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
2,4,6-Trinitrotoluene	320	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	HC
2,4-Dinitrotoluene	1500	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
2,6-Dinitrotoluene	280	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
2-Amino-4,6-dinitrotoluene	240	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	HC
2-Nitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
4-Amino-2,6-dinitrotoluene	310	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	HC
4-Nitrotoluene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/23/2013	06/24/2013 03:20	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	104 %		60-140		06/23/2013	06/24/2013 03:20	EPA 8270	
Surrogate: Nitrobenzene-d5	101 %		60-140		06/23/2013	06/24/2013 03:20	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306005

% Solids	93.3	0.00	% by Weight	1	06/23/2013	06/24/2013 17:05	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A2-(0-1)

P132501-24 (Soil)

Date Sampled
06/12/2013 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
2,4,6-Trinitrotoluene	220	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
2,4-Dinitrotoluene	2900	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
2,6-Dinitrotoluene	520	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 16:37	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	98.0 %		60-140		06/23/2013	06/23/2013 16:37	EPA 8270	
Surrogate: Nitrobenzene-d5	106 %		60-140		06/23/2013	06/23/2013 16:37	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	89.6	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A3-(0-1)

P132501-25 (Soil)

Date Sampled
06/12/2013 15:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
2,4,6-Trinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
2,4-Dinitrotoluene	1200	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
2,6-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:04	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	91.9 %		60-140		06/23/2013	06/23/2013 17:04	EPA 8270	
Surrogate: Nitrobenzene-d5	104 %		60-140		06/23/2013	06/23/2013 17:04	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	89.4	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A4-(0-1)

P132501-26 (Soil)

Date Sampled
06/12/2013 15:54

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,3,5-Trinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
2,3-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
2,4,6-Trinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
2,4-Dinitrotoluene	1300	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
2,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
2,6-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
3,4-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
3,5-Dinitroaniline	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
3,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 17:31	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	96.1 %		60-140		06/23/2013	06/23/2013 17:31	EPA 8270	
Surrogate: Nitrobenzene-d5	105 %		60-140		06/23/2013	06/23/2013 17:31	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.7	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A4-DUP-(0-1)

P132501-27 (Soil)

Date Sampled
06/12/2013 15:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
2,4,6-Trinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
2,4-Dinitrotoluene	1800	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
2,6-Dinitrotoluene	280	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 17:58	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	97.8 %		60-140		06/23/2013	06/23/2013 17:58	EPA 8270	
Surrogate: Nitrobenzene-d5	104 %		60-140		06/23/2013	06/23/2013 17:58	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	89.3	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A4-MS-(0-1)
P132501-28 (Soil)

Date Sampled
06/12/2013 15:58

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,3,5-Trinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	240	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
2,3-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
2,4,6-Trinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
2,4-Dinitrotoluene	1700	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
2,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
2,6-Dinitrotoluene	250	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
3,4-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
3,5-Dinitroaniline	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
3,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	530	230	ug/kg dry	1	06/23/2013	06/23/2013 18:24	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	94.3 %		60-140		06/23/2013	06/23/2013 18:24	EPA 8270	
Surrogate: Nitrobenzene-d5	104 %		60-140		06/23/2013	06/23/2013 18:24	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.6	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08A4-MSD-(0-1)

P132501-29 (Soil)

Date Sampled
06/12/2013 16:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,3,5-Trinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	280	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
2,3-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
2,4,6-Trinitrotoluene	270	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
2,4-Dinitrotoluene	2300	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
2,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
2,6-Dinitrotoluene	280	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
3,4-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
3,5-Dinitroaniline	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
3,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 19:45	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	97.1 %		60-140		06/23/2013	06/23/2013 19:45	EPA 8270	
Surrogate: Nitrobenzene-d5	101 %		60-140		06/23/2013	06/23/2013 19:45	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	87.2	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C08B1-(0-1)

P132501-30 (Soil)

Date Sampled
06/12/2013 16:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	400	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
2,4,6-Trinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
2,4-Dinitrotoluene	2000	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
2,6-Dinitrotoluene	260	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:13	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	93.2 %		60-140		06/23/2013	06/23/2013 20:13	EPA 8270	
Surrogate: Nitrobenzene-d5	101 %		60-140		06/23/2013	06/23/2013 20:13	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	90.2	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14A5-(0-1)

P132501-31 (Soil)

Date Sampled
06/12/2013 14:22

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
2,3-Dinitrotoluene	3300	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
2,4,6-Trinitrotoluene	6300	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
2,4-Dinitrotoluene	920	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
2,6-Dinitrotoluene	790	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
2-Amino-4,6-dinitrotoluene	670	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
3,4-Dinitrotoluene	6400	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
3,5-Dinitrotoluene	470	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
4-Amino-2,6-dinitrotoluene	4200	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	370	220	ug/kg dry	1	06/23/2013	06/23/2013 20:40	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	104 %		60-140		06/23/2013	06/23/2013 20:40	EPA 8270	
Surrogate: Nitrobenzene-d5	103 %		60-140		06/23/2013	06/23/2013 20:40	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	89.1	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14A6-(0-1)

P132501-32 (Soil)

Date Sampled
06/12/2013 14:24

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
2,3-Dinitrotoluene	2200	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
2,4,6-Trinitrotoluene	3600	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
2,4-Dinitrotoluene	500	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	HC
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
2,6-Dinitrotoluene	440	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
2-Amino-4,6-dinitrotoluene	460	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
3,4-Dinitrotoluene	4100	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
3,5-Dinitrotoluene	330	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
4-Amino-2,6-dinitrotoluene	3200	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 22:29	EPA 8270	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>102 %</i>		<i>60-140</i>		<i>06/23/2013</i>	<i>06/23/2013 22:29</i>	<i>EPA 8270</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>103 %</i>		<i>60-140</i>		<i>06/23/2013</i>	<i>06/23/2013 22:29</i>	<i>EPA 8270</i>	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	89.9	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B1-(0-1)

P132501-33 (Soil)

Date Sampled
06/12/2013 14:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,3,5-Trinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
2,3-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
2,4,6-Trinitrotoluene	3600	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
2,4-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	HC
2,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
2,6-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
2-Amino-4,6-dinitrotoluene	400	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
3,4-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
3,5-Dinitroaniline	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
3,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
4-Amino-2,6-dinitrotoluene	2900	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 22:56	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	100 %		60-140		06/23/2013	06/23/2013 22:56	EPA 8270	
Surrogate: Nitrobenzene-d5	103 %		60-140		06/23/2013	06/23/2013 22:56	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.7	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B2-(0-1)

P132501-34 (Soil)

Date Sampled
06/12/2013 14:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
2,3-Dinitrotoluene	430	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
2,4,6-Trinitrotoluene	2800	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
2,4-Dinitrotoluene	840	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	HC
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
2,6-Dinitrotoluene	560	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
2-Amino-4,6-dinitrotoluene	430	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
3,4-Dinitrotoluene	650	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
4-Amino-2,6-dinitrotoluene	2100	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/23/2013	06/23/2013 23:23	EPA 8270	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>96.0 %</i>		<i>60-140</i>		<i>06/23/2013</i>	<i>06/23/2013 23:23</i>	<i>EPA 8270</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>99.7 %</i>		<i>60-140</i>		<i>06/23/2013</i>	<i>06/23/2013 23:23</i>	<i>EPA 8270</i>	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.9	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B4-(0-1)

P132501-35 (Soil)

Date Sampled
06/12/2013 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,3,5-Trinitrobenzene	660	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	450	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
2,3-Dinitrotoluene	14000	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
2,4,6-Trinitrotoluene	19000	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
2,4-Dinitrotoluene	13000	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	HC
2,5-Dinitrotoluene	1200	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
2,6-Dinitrotoluene	18000	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
2-Amino-4,6-dinitrotoluene	2000	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
3,4-Dinitrotoluene	21000	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
3,5-Dinitroaniline	370	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
3,5-Dinitrotoluene	1400	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
4-Amino-2,6-dinitrotoluene	4000	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/23/2013 23:50	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	107 %		60-140		06/23/2013	06/23/2013 23:50	EPA 8270	
Surrogate: Nitrobenzene-d5	102 %		60-140		06/23/2013	06/23/2013 23:50	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.6	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B4-DUP-(0-1)

P132501-36 (Soil)

Date Sampled
06/12/2013 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,3,5-Trinitrobenzene	340	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	230	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	570	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
2,3-Dinitrotoluene	10000	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
2,4,6-Trinitrotoluene	12000	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
2,4-Dinitrotoluene	2300	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	HC
2,5-Dinitrotoluene	500	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
2,6-Dinitrotoluene	4100	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
2-Amino-4,6-dinitrotoluene	1600	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
3,4-Dinitrotoluene	19000	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
3,5-Dinitroaniline	260	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
3,5-Dinitrotoluene	1200	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
4-Amino-2,6-dinitrotoluene	3900	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 00:17	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	104 %		60-140		06/23/2013	06/24/2013 00:17	EPA 8270	
Surrogate: Nitrobenzene-d5	103 %		60-140		06/23/2013	06/24/2013 00:17	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.4	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B4-MS-(0-1)
P132501-37 (Soil)

Date Sampled
 06/12/2013 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,3,5-Trinitrobenzene	410	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	450	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
2,3-Dinitrotoluene	13000	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
2,4,6-Trinitrotoluene	14000	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
2,4-Dinitrotoluene	6100	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	HC
2,5-Dinitrotoluene	750	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
2,6-Dinitrotoluene	18000	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
2-Amino-4,6-dinitrotoluene	1500	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
3,4-Dinitrotoluene	20000	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
3,5-Dinitroaniline	290	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
3,5-Dinitrotoluene	1200	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
4-Amino-2,6-dinitrotoluene	3700	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	220	220	ug/kg dry	1	06/23/2013	06/24/2013 00:44	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	101 %		60-140		06/23/2013	06/24/2013 00:44	EPA 8270	
Surrogate: Nitrobenzene-d5	102 %		60-140		06/23/2013	06/24/2013 00:44	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	89.3	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B4-MSD-(0-1)
P132501-38 (Soil)

Date Sampled
06/12/2013 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,3,5-Trinitrobenzene	370	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	430	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
2,3-Dinitrotoluene	11000	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
2,4,6-Trinitrotoluene	12000	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
2,4-Dinitrotoluene	4300	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	HC
2,5-Dinitrotoluene	620	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
2,6-Dinitrotoluene	24000	2200	ug/kg dry	10	06/23/2013	06/24/2013 23:41	EPA 8270	D
2-Amino-4,6-dinitrotoluene	1600	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
3,4-Dinitrotoluene	19000	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
3,5-Dinitroaniline	280	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
3,5-Dinitrotoluene	1200	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
4-Amino-2,6-dinitrotoluene	3800	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/23/2013	06/24/2013 01:11	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	108 %		60-140		06/23/2013	06/24/2013 01:11	EPA 8270	
Surrogate: Nitrobenzene-d5	104 %		60-140		06/23/2013	06/24/2013 01:11	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	89.3	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B5-(0-1)

P132501-39 (Soil)

Date Sampled
06/12/2013 14:32

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,3,5-Trinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	350	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
2,3-Dinitrotoluene	11000	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
2,4,6-Trinitrotoluene	6700	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
2,4-Dinitrotoluene	1100	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	HC
2,5-Dinitrotoluene	340	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
2,6-Dinitrotoluene	1200	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
2-Amino-4,6-dinitrotoluene	1000	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
3,4-Dinitrotoluene	22000	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
3,5-Dinitroaniline	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
3,5-Dinitrotoluene	1200	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
4-Amino-2,6-dinitrotoluene	3000	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 01:38	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	106 %		60-140		06/23/2013	06/24/2013 01:38	EPA 8270	
Surrogate: Nitrobenzene-d5	105 %		60-140		06/23/2013	06/24/2013 01:38	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.2	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14B6-(0-1)

P132501-40 (Soil)

Date Sampled
06/12/2013 14:34

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,3,5-Trinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
2,3-Dinitrotoluene	2600	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
2,4,6-Trinitrotoluene	14000	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
2,4-Dinitrotoluene	290	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	HC
2,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
2,6-Dinitrotoluene	270	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
2-Amino-4,6-dinitrotoluene	620	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
3,4-Dinitrotoluene	6100	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
3,5-Dinitroaniline	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
3,5-Dinitrotoluene	390	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
4-Amino-2,6-dinitrotoluene	3700	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:05	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	102 %		60-140		06/23/2013	06/24/2013 02:05	EPA 8270	
Surrogate: Nitrobenzene-d5	104 %		60-140		06/23/2013	06/24/2013 02:05	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.5	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A1-(0-1)

P132501-41 (Soil)

Date Sampled
06/12/2013 13:24

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306002

1,2-Dimethyl-3,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,3,5-Trinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
2,3-Dinitrotoluene	2100	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
2,4,6-Trinitrotoluene	2500	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
2,4-Dinitrotoluene	260	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	HC
2,5-Dinitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
2,6-Dinitrotoluene	230	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
2-Amino-4,6-dinitrotoluene	590	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
2-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
3,4-Dinitrotoluene	4000	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
3,5-Dinitroaniline	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
3,5-Dinitrotoluene	360	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
3-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
4-Amino-2,6-dinitrotoluene	2000	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
4-Nitrotoluene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
Nitrobenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
RDX	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
Tetryl	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	230	ug/kg dry	1	06/23/2013	06/24/2013 02:32	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	99.7 %		60-140		06/23/2013	06/24/2013 02:32	EPA 8270	
Surrogate: Nitrobenzene-d5	106 %		60-140		06/23/2013	06/24/2013 02:32	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306003

% Solids	88.2	0.00	% by Weight	1	06/23/2013	06/24/2013 16:58	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A4-(0-1)

P132501-42 (Soil)

Date Sampled
06/12/2013 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
2,4,6-Trinitrotoluene	46000	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
4-Amino-2,6-dinitrotoluene	7200	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 04:39	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.2 %		60-140		06/24/2013	06/25/2013 04:39	EPA 8270	
Surrogate: Nitrobenzene-d5	111 %		60-140		06/24/2013	06/25/2013 04:39	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A2-(0-1)

P132501-43 (Soil)

Date Sampled
06/12/2013 13:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	440	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	260	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	530	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
2,3-Dinitrotoluene	770	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
2,4,6-Trinitrotoluene	63000	2100	ug/kg dry	10	06/24/2013	06/25/2013 13:47	EPA 8270	D
2,4-Dinitrotoluene	1200	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
2,6-Dinitrotoluene	840	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
2-Amino-4,6-dinitrotoluene	460	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
3,4-Dinitrotoluene	1400	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
4-Amino-2,6-dinitrotoluene	2800	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 02:51	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	104 %		60-140		06/24/2013	06/25/2013 02:51	EPA 8270	
Surrogate: Nitrobenzene-d5	106 %		60-140		06/24/2013	06/25/2013 02:51	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	97.2	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15A3-(0-1)

P132501-44 (Soil)

Date Sampled
06/12/2013 13:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	350	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	230	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	670	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
2,4,6-Trinitrotoluene	3000	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
2,4-Dinitrotoluene	360	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
2-Amino-4,6-dinitrotoluene	450	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
4-Amino-2,6-dinitrotoluene	3200	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:18	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	101 %		60-140		06/24/2013	06/25/2013 03:18	EPA 8270	
Surrogate: Nitrobenzene-d5	94.3 %		60-140		06/24/2013	06/25/2013 03:18	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B1-(0-1)

P132501-45 (Soil)

Date Sampled
06/12/2013 13:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	440	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	330	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	730	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
2,3-Dinitrotoluene	1800	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
2,4,6-Trinitrotoluene	7300	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
2,4-Dinitrotoluene	480	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
2,6-Dinitrotoluene	250	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
2-Amino-4,6-dinitrotoluene	950	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
3,4-Dinitrotoluene	3800	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
3,5-Dinitrotoluene	310	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
4-Amino-2,6-dinitrotoluene	6200	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 13:20	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	110 %		60-140		06/24/2013	06/25/2013 13:20	EPA 8270	
Surrogate: Nitrobenzene-d5	110 %		60-140		06/24/2013	06/25/2013 13:20	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.7	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B2-(0-1)

P132501-46 (Soil)

Date Sampled
06/12/2013 13:44

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	440	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	300	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	590	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
2,3-Dinitrotoluene	530	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
2,4,6-Trinitrotoluene	35000	2100	ug/kg dry	10	06/24/2013	06/25/2013 14:15	EPA 8270	D
2,4-Dinitrotoluene	270	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
2,6-Dinitrotoluene	210	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
2-Amino-4,6-dinitrotoluene	430	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
3,4-Dinitrotoluene	830	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
4-Amino-2,6-dinitrotoluene	3300	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 03:45	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	101 %		60-140		06/24/2013	06/25/2013 03:45	EPA 8270	
Surrogate: Nitrobenzene-d5	106 %		60-140		06/24/2013	06/25/2013 03:45	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	97.0	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B3-(0-1)

P132501-47 (Soil)

Date Sampled
06/12/2013 13:46

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,3,5-Trinitrobenzene	230	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	470	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	300	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	450	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
2,4,6-Trinitrotoluene	75000	2100	ug/kg dry	10	06/24/2013	06/25/2013 14:42	EPA 8270	D
2,4-Dinitrotoluene	690	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
2,6-Dinitrotoluene	210	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
2-Amino-4,6-dinitrotoluene	1300	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
4-Amino-2,6-dinitrotoluene	9400	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/24/2013	06/25/2013 04:12	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	108 %		60-140		06/24/2013	06/25/2013 04:12	EPA 8270	
Surrogate: Nitrobenzene-d5	108 %		60-140		06/24/2013	06/25/2013 04:12	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B4-(0-1)

P132501-48 (Soil)

Date Sampled
06/12/2013 13:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
2,4,6-Trinitrotoluene	36000	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
4-Amino-2,6-dinitrotoluene	9200	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 05:33	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	100 %		60-140		06/24/2013	06/25/2013 05:33	EPA 8270	
Surrogate: Nitrobenzene-d5	101 %		60-140		06/24/2013	06/25/2013 05:33	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B4-DUP-(0-1)

P132501-49 (Soil)

Date Sampled
06/12/2013 13:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
2,4,6-Trinitrotoluene	170000	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
2-Amino-4,6-dinitrotoluene	4900	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	D
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
4-Amino-2,6-dinitrotoluene	8900	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 06:00	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	88.2 %		60-140		06/24/2013	06/25/2013 06:00	EPA 8270	
Surrogate: Nitrobenzene-d5	101 %		60-140		06/24/2013	06/25/2013 06:00	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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URS Corporation
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B4-MS-(0-1)
P132501-50 (Soil)

Date Sampled
06/12/2013 13:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
2,4,6-Trinitrotoluene	130000	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
4-Amino-2,6-dinitrotoluene	9600	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 07:48	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	98.5 %		60-140		06/24/2013	06/25/2013 07:48	EPA 8270	
Surrogate: Nitrobenzene-d5	93.8 %		60-140		06/24/2013	06/25/2013 07:48	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C15B4-MSD-(0-1)

P132501-51 (Soil)

Date Sampled
06/12/2013 13:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306008

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
2,4,6-Trinitrotoluene	22000	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
4-Amino-2,6-dinitrotoluene	9500	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 08:15	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	94.2 %		60-140		06/24/2013	06/25/2013 08:15	EPA 8270	
Surrogate: Nitrobenzene-d5	112 %		60-140		06/24/2013	06/25/2013 08:15	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306009

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:44	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A1-(0-1)

P132501-52 (Soil)

Date Sampled
06/12/2013 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
2,3-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
2,4,6-Trinitrotoluene	340000	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	D
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
2-Amino-4,6-dinitrotoluene	24000	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	D
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
3,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
4-Amino-2,6-dinitrotoluene	42000	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	D
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/24/2013	06/24/2013 23:49	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	102 %		60-140		06/24/2013	06/24/2013 23:49	EPA 8270	
Surrogate: Nitrobenzene-d5	90.4 %		60-140		06/24/2013	06/24/2013 23:49	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	95.8	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A2-(0-1)

P132501-53 (Soil)

Date Sampled
06/12/2013 12:22

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
2,3-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
2,4,6-Trinitrotoluene	250000	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	D
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
2-Amino-4,6-dinitrotoluene	45000	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	D
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
3,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
4-Amino-2,6-dinitrotoluene	46000	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	D
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/24/2013	06/25/2013 00:16	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	102 %		60-140		06/24/2013	06/25/2013 00:16	EPA 8270	
Surrogate: Nitrobenzene-d5	94.7 %		60-140		06/24/2013	06/25/2013 00:16	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	94.2	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A1-(0-1)

P132501-54 (Soil)

Date Sampled
06/12/2013 12:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
2,4,6-Trinitrotoluene	270000	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
4-Amino-2,6-dinitrotoluene	9700	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/24/2013 17:20	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	113 %		60-140		06/24/2013	06/24/2013 17:20	EPA 8270	
Surrogate: Nitrobenzene-d5	105 %		60-140		06/24/2013	06/24/2013 17:20	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.4	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A2-(0-1)
P132501-55 (Soil)

Date Sampled
06/12/2013 12:58

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
2,4,6-Trinitrotoluene	300000	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	D
2,4-Dinitrotoluene	4800	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	D
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
4-Amino-2,6-dinitrotoluene	6400	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 00:43	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	96.8 %		60-140		06/24/2013	06/25/2013 00:43	EPA 8270	
Surrogate: Nitrobenzene-d5	93.1 %		60-140		06/24/2013	06/25/2013 00:43	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	96.9	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A3-(0-1)

P132501-56 (Soil)

Date Sampled
06/12/2013 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
2,4,6-Trinitrotoluene	97000	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
4-Amino-2,6-dinitrotoluene	5900	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:10	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	92.8 %		60-140		06/24/2013	06/25/2013 01:10	EPA 8270	
Surrogate: Nitrobenzene-d5	91.5 %		60-140		06/24/2013	06/25/2013 01:10	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	97.5	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C19A4-(0-1)
P132501-57 (Soil)

Date Sampled
 06/12/2013 13:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
2,4,6-Trinitrotoluene	210000	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
4-Amino-2,6-dinitrotoluene	6400	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 01:37	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	88.9 %		60-140		06/24/2013	06/25/2013 01:37	EPA 8270	
Surrogate: Nitrobenzene-d5	92.2 %		60-140		06/24/2013	06/25/2013 01:37	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	97.3	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B1-(0-1)
P132501-58 (Soil)

Date Sampled
06/12/2013 13:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
2,4,6-Trinitrotoluene	170000	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
4-Amino-2,6-dinitrotoluene	6600	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:04	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	91.0 %		60-140		06/24/2013	06/25/2013 02:04	EPA 8270	
Surrogate: Nitrobenzene-d5	92.2 %		60-140		06/24/2013	06/25/2013 02:04	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	97.5	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B2-(0-1)

P132501-59 (Soil)

Date Sampled
06/12/2013 13:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
2,4,6-Trinitrotoluene	4900000	100000	ug/kg dry	500	06/24/2013	06/25/2013 16:32	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
2-Amino-4,6-dinitrotoluene	5000	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	D
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
4-Amino-2,6-dinitrotoluene	9800	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:32	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	97.4 %		60-140		06/24/2013	06/25/2013 02:32	EPA 8270	
Surrogate: Nitrobenzene-d5	90.4 %		60-140		06/24/2013	06/25/2013 02:32	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	97.3	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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URS Corporation
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 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B3-(0-1)
P132501-60 (Soil)

Date Sampled
 06/12/2013 13:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
2,4,6-Trinitrotoluene	190000	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
4-Amino-2,6-dinitrotoluene	6300	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 02:59	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	85.6 %		60-140		06/24/2013	06/25/2013 02:59	EPA 8270	
Surrogate: Nitrobenzene-d5	91.1 %		60-140		06/24/2013	06/25/2013 02:59	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	97.2	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19B4-(0-1)

P132501-61 (Soil)

Date Sampled
06/12/2013 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306007

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
2,4,6-Trinitrotoluene	180000	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
4-Amino-2,6-dinitrotoluene	6300	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/24/2013	06/25/2013 03:26	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	91.3 %		60-140		06/24/2013	06/25/2013 03:26	EPA 8270	
Surrogate: Nitrobenzene-d5	93.0 %		60-140		06/24/2013	06/25/2013 03:26	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306006

% Solids	97.1	0.00	% by Weight	1	06/24/2013	06/25/2013 15:36	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21-(0-1)
P132501-62 (Soil)

Date Sampled
06/12/2013 12:54

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
2,4,6-Trinitrotoluene	5400000	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 18:25	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/25/2013	06/25/2013 18:25	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/25/2013 18:25	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	98.3	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A1-(0-1)

P132501-63 (Soil)

Date Sampled
06/12/2013 12:38

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,3,5-Trinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
2,3-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
2,4,6-Trinitrotoluene	670000	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	D
2,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
2,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
2,6-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
2-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
3,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
3,5-Dinitroaniline	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
3,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
3-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
4-Amino-2,6-dinitrotoluene	10000	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	D
4-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
Nitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
RDX	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
Tetryl	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 16:38	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/25/2013	06/26/2013 16:38	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/26/2013 16:38	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	98.1	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A2-(0-1)
P132501-64 (Soil)

Date Sampled
 06/12/2013 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
2,4,6-Trinitrotoluene	4300000	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 20:12	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/25/2013	06/25/2013 20:12	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/25/2013 20:12	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	97.9	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A3-(0-1)
P132501-65 (Soil)

Date Sampled
06/12/2013 12:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
2,4,6-Trinitrotoluene	8000000	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 21:59	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/25/2013	06/25/2013 21:59	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/25/2013 21:59	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	97.2	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06A2-(0-1)

P132501-66 (Soil)

Date Sampled
06/12/2013 15:12

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
2,4,6-Trinitrotoluene	3500000	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 15:09	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	689 %		60-140		06/25/2013	06/25/2013 15:09	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/25/2013 15:09	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306011

% Solids	96.6	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C06A3-(0-1)

P132501-67 (Soil)

Date Sampled
 06/12/2013 15:14

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
2,4,6-Trinitrotoluene	3300000	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 22:52	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl		%	60-140		06/25/2013	06/25/2013 22:52	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/25/2013	06/25/2013 22:52	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	96.8	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06A5-(0-1)

P132501-68 (Soil)

Date Sampled
06/12/2013 15:16

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
2,4,6-Trinitrotoluene	1500000	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/25/2013 23:19	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl		%	60-140		06/25/2013	06/25/2013 23:19	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/25/2013	06/25/2013 23:19	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	97.1	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06A6-(0-1)

P132501-69 (Soil)

Date Sampled
06/12/2013 15:18

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,3,5-Trinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
2,3-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
2,4,6-Trinitrotoluene	660000	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	D
2,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
2,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
2,6-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
2-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
3,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
3,5-Dinitroaniline	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
3,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
3-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
4-Amino-2,6-dinitrotoluene	20000	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	D
4-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
Nitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
RDX	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
Tetryl	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	10000	ug/kg dry	50	06/25/2013	06/26/2013 17:04	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/25/2013	06/26/2013 17:04	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/26/2013 17:04	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	96.7	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06B1-(0-1)

P132501-70 (Soil)

Date Sampled
06/12/2013 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,3,5-Trinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,3-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	3400	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	D
2,3-Dinitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
2,4,6-Trinitrotoluene	55000	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	D
2,4-Dinitrotoluene	3800	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	D
2,5-Dinitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
2,6-Dinitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
2-Amino-4,6-dinitrotoluene	2600	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	D
2-Nitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
3,4-Dinitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
3,5-Dinitroaniline	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
3,5-Dinitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
3-Nitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
4-Amino-2,6-dinitrotoluene	23000	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	D
4-Nitrotoluene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
Nitrobenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
RDX	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
Tetryl	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	2100	ug/kg dry	10	06/25/2013	06/26/2013 18:51	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	78.7 %		60-140		06/25/2013	06/26/2013 18:51	EPA 8270	
Surrogate: Nitrobenzene-d5	92.2 %		60-140		06/25/2013	06/26/2013 18:51	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	95.8	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C06B4-(0-1)

P132501-71 (Soil)

Date Sampled
06/12/2013 15:22

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
2,4,6-Trinitrotoluene	1300000	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 00:38	EPA 8270	

Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/25/2013	06/26/2013 00:38	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/26/2013 00:38	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	96.2	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06B5-(0-1)

P132501-72 (Soil)

Date Sampled
06/12/2013 15:24

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,3,5-Trinitrobenzene	4400	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	D
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
2,3-Dinitrotoluene	9100	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	D
2,4,6-Trinitrotoluene	310000	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	D
2,4-Dinitrotoluene	100000	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	HC, D
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
2,6-Dinitrotoluene	27000	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	D
2-Amino-4,6-dinitrotoluene	6600	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	D
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
3,4-Dinitrotoluene	13000	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	D
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
4-Amino-2,6-dinitrotoluene	5400	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	D
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/25/2013	06/25/2013 22:53	EPA 8270	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>124 %</i>	<i>60-140</i>			<i>06/25/2013</i>	<i>06/25/2013 22:53</i>	<i>EPA 8270</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>118 %</i>	<i>60-140</i>			<i>06/25/2013</i>	<i>06/25/2013 22:53</i>	<i>EPA 8270</i>	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	96.3	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C06B6-(0-1)

P132501-73 (Soil)

Date Sampled
06/12/2013 15:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
2,4,6-Trinitrotoluene	34000	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	D
2,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
4-Amino-2,6-dinitrotoluene	8200	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/25/2013	06/26/2013 00:14	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	107 %		60-140		06/25/2013	06/26/2013 00:14	EPA 8270	
Surrogate: Nitrobenzene-d5	111 %		60-140		06/25/2013	06/26/2013 00:14	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	96.4	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07A1-(0-1)

P132501-74 (Soil)

Date Sampled
06/12/2013 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	240	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	260	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
2,4,6-Trinitrotoluene	2400	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
2,4-Dinitrotoluene	1100	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
2,6-Dinitrotoluene	520	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
2-Amino-4,6-dinitrotoluene	770	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
3,4-Dinitrotoluene	220	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
4-Amino-2,6-dinitrotoluene	1300	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:02	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	112 %		60-140		06/25/2013	06/26/2013 02:02	EPA 8270	
Surrogate: Nitrobenzene-d5	109 %		60-140		06/25/2013	06/26/2013 02:02	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	97.4	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07A3-(0-1)

P132501-75 (Soil)

Date Sampled
06/12/2013 14:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,3,5-Trinitrobenzene	210	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	HC
1,3-Dimethyl-2,4-Dinitrobenzene	310	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	310	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
2,4,6-Trinitrotoluene	8400	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
2,4-Dinitrotoluene	1400	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
2,6-Dinitrotoluene	590	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
2-Amino-4,6-dinitrotoluene	1200	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
3,4-Dinitrotoluene	250	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
4-Amino-2,6-dinitrotoluene	2700	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 02:28	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	111 %		60-140		06/25/2013	06/26/2013 02:28	EPA 8270	
Surrogate: Nitrobenzene-d5	107 %		60-140		06/25/2013	06/26/2013 02:28	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	97.5	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07A4-(0-1)

P132501-76 (Soil)

Date Sampled
06/12/2013 14:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	300	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	270	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
2,3-Dinitrotoluene	290	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
2,4,6-Trinitrotoluene	5000	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
2,4-Dinitrotoluene	2400	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	HC
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
2,6-Dinitrotoluene	1200	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
2-Amino-4,6-dinitrotoluene	1100	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
2-Nitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
3,4-Dinitrotoluene	420	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
3-Nitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
4-Amino-2,6-dinitrotoluene	2700	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
4-Nitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
Nitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
RDX	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
Tetryl	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 02:55	EPA 8270	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>113 %</i>		<i>60-140</i>		<i>06/25/2013</i>	<i>06/26/2013 02:55</i>	<i>EPA 8270</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>110 %</i>		<i>60-140</i>		<i>06/25/2013</i>	<i>06/26/2013 02:55</i>	<i>EPA 8270</i>	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	97.6	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C07A6-(0-1)

P132501-77 (Soil)

Date Sampled
06/12/2013 14:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,3,5-Trinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
2,3-Dinitrotoluene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
2,4,6-Trinitrotoluene	8500	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	D
2,4-Dinitrotoluene	1200	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	D
2,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
2,6-Dinitrotoluene	1200	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	D
2-Amino-4,6-dinitrotoluene	1300	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	D
2-Nitrotoluene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
3,4-Dinitrotoluene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
3,5-Dinitroaniline	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
3,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
3-Nitrotoluene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
4-Amino-2,6-dinitrotoluene	2700	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	D
4-Nitrotoluene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
Nitrobenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
RDX	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
Tetryl	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	1000	ug/kg dry	5	06/25/2013	06/26/2013 19:26	EPA 8270	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>74.4 %</i>		<i>60-140</i>		<i>06/25/2013</i>	<i>06/26/2013 19:26</i>	<i>EPA 8270</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>90.5 %</i>		<i>60-140</i>		<i>06/25/2013</i>	<i>06/26/2013 19:26</i>	<i>EPA 8270</i>	

Classical Chemistry Parameters

Preparation Batch: P306011

% Solids	97.1	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21A4-(0-1)

P132501-78 (Soil)

Date Sampled
06/12/2013 12:44

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
2,4,6-Trinitrotoluene	13000000	200000	ug/kg dry	1000	06/25/2013	06/26/2013 19:53	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:32	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl		%	60-140		06/25/2013	06/26/2013 01:32	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/25/2013	06/26/2013 01:32	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306011

% Solids	98.3	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B1-(0-1)

P132501-79 (Soil)

Date Sampled
06/12/2013 12:46

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
2,4,6-Trinitrotoluene	1000000	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 01:58	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl		%	60-140		06/25/2013	06/26/2013 01:58	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/25/2013	06/26/2013 01:58	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	97.2	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B2-(0-1)

P132501-80 (Soil)

Date Sampled
06/12/2013 12:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
2,4,6-Trinitrotoluene	6700000	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 03:45	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl		%	60-140		06/25/2013	06/26/2013 03:45	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/25/2013	06/26/2013 03:45	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	98.2	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B3-(0-1)

P132501-81 (Soil)

Date Sampled
06/12/2013 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
2,4,6-Trinitrotoluene	4700000	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:11	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/25/2013	06/26/2013 04:11	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/26/2013 04:11	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306011

% Solids	98.1	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C21B4-(0-1)
P132501-82 (Soil)

Date Sampled
06/12/2013 12:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
2,4,6-Trinitrotoluene	3900000	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	100000	ug/kg dry	500	06/25/2013	06/26/2013 04:38	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/25/2013	06/26/2013 04:38	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/25/2013	06/26/2013 04:38	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306011

% Solids	98.8	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B3-(0-1)

P132501-83 (Soil)

Date Sampled
06/13/2013 11:34

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	61000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	63000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	16000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	19000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,3,5-Trinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	110000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
1,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	110000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	14000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	52000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	300000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
2,3-Dinitrotoluene	11000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
2,4,6-Trinitrotoluene	12000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
2,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
2,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
2,6-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
2-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
3,4-Dinitrotoluene	14000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	D
3,5-Dinitroaniline	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
3,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
3-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
4-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
Nitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
RDX	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
Tetryl	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:11	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	148 %		60-140		06/25/2013	06/25/2013 20:11	EPA 8270	DO
Surrogate: Nitrobenzene-d5	49.0 %		60-140		06/25/2013	06/25/2013 20:11	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	95.5	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B4-(0-1)

P132501-84 (Soil)

Date Sampled
06/13/2013 11:36

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	28000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	20000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,3,5-Trinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	47000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	55000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	25000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	150000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	D
2,3-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
2,4,6-Trinitrotoluene	15000	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	D
2,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
2,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
2,6-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
2-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
3,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
3,5-Dinitroaniline	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
3,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
3-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
4-Nitrotoluene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
Nitrobenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
RDX	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
Tetryl	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	10000	ug/kg dry	50	06/25/2013	06/25/2013 20:38	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	148 %		60-140		06/25/2013	06/25/2013 20:38	EPA 8270	DO
Surrogate: Nitrobenzene-d5	29.9 %		60-140		06/25/2013	06/25/2013 20:38	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	95.6	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18A1-(0-1)
P132501-85 (Soil)

Date Sampled
06/13/2013 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	210	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	420	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
2,3-Dinitrotoluene	690	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
2,4,6-Trinitrotoluene	5600	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
2,4-Dinitrotoluene	1100	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
2,6-Dinitrotoluene	320	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:05	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	114 %		60-140		06/25/2013	06/25/2013 21:05	EPA 8270	
Surrogate: Nitrobenzene-d5	109 %		60-140		06/25/2013	06/25/2013 21:05	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	97.3	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18A2-(0-1)

P132501-86 (Soil)

Date Sampled
06/13/2013 11:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306011

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	260	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	310	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	790	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
2,4,6-Trinitrotoluene	550	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
2,4-Dinitrotoluene	1200	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
2,6-Dinitrotoluene	330	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/25/2013 21:32	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	116 %		60-140		06/25/2013	06/25/2013 21:32	EPA 8270	
Surrogate: Nitrobenzene-d5	111 %		60-140		06/25/2013	06/25/2013 21:32	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306010

% Solids	96.5	0.00	% by Weight	1	06/25/2013	06/26/2013 16:29	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18A3-(0-1)

P132501-87 (Soil)

Date Sampled
06/13/2013 11:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	240	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	300	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	800	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
2,3-Dinitrotoluene	830	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
2,4,6-Trinitrotoluene	390	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
2,4-Dinitrotoluene	1300	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
2,6-Dinitrotoluene	390	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:22	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	113 %		60-140		06/25/2013	06/26/2013 03:22	EPA 8270	
Surrogate: Nitrobenzene-d5	110 %		60-140		06/25/2013	06/26/2013 03:22	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	96.3	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18A4-(0-1)

P132501-88 (Soil)

Date Sampled
06/13/2013 11:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	250	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	260	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	530	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
2,4,6-Trinitrotoluene	240	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
2,4-Dinitrotoluene	1500	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
2,6-Dinitrotoluene	300	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 03:49	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	113 %		60-140		06/25/2013	06/26/2013 03:49	EPA 8270	
Surrogate: Nitrobenzene-d5	107 %		60-140		06/25/2013	06/26/2013 03:49	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	96.7	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18B1-(0-1)

P132501-89 (Soil)

Date Sampled
06/13/2013 11:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	230	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	270	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	830	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
2,4,6-Trinitrotoluene	290	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
2,4-Dinitrotoluene	1100	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
2,6-Dinitrotoluene	300	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:16	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	117 %		60-140		06/25/2013	06/26/2013 04:16	EPA 8270	
Surrogate: Nitrobenzene-d5	63.4 %		60-140		06/25/2013	06/26/2013 04:16	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	96.4	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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4051 Ogletown Road, Ste 300
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18B2-(0-1)

P132501-90 (Soil)

Date Sampled
06/13/2013 11:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	380	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	610	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1300	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
2,4,6-Trinitrotoluene	220	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
2,4-Dinitrotoluene	1300	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
2,6-Dinitrotoluene	380	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 04:43	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		114 %	60-140		06/25/2013	06/26/2013 04:43	EPA 8270	
Surrogate: Nitrobenzene-d5		109 %	60-140		06/25/2013	06/26/2013 04:43	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	97.3	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18B3-(0-1)

P132501-91 (Soil)

Date Sampled
06/13/2013 11:12

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	390	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
2,4-Dinitrotoluene	1300	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	HC
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
2,6-Dinitrotoluene	340	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
2-Nitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
3-Nitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
4-Nitrotoluene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
Nitrobenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
RDX	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
Tetryl	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	06/25/2013	06/26/2013 05:10	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	117 %		60-140		06/25/2013	06/26/2013 05:10	EPA 8270	
Surrogate: Nitrobenzene-d5	111 %		60-140		06/25/2013	06/26/2013 05:10	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	98.2	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C18B4-(0-1)

P132501-92 (Soil)

Date Sampled
06/13/2013 11:14

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306012

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	350	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	430	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	870	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
2,4,6-Trinitrotoluene	230	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
2,4-Dinitrotoluene	1100	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	HC
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
2,6-Dinitrotoluene	300	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/25/2013	06/26/2013 05:37	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	115 %		60-140		06/25/2013	06/26/2013 05:37	EPA 8270	
Surrogate: Nitrobenzene-d5	115 %		60-140		06/25/2013	06/26/2013 05:37	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306013

% Solids	96.9	0.00	% by Weight	1	06/25/2013	06/26/2013 16:23	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C19-(0-1)
P132501-93 (Soil)

Date Sampled
06/12/2013 13:12

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,3,5-Trinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
2,3-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
2,4,6-Trinitrotoluene	240000	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	D
2,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
2,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
2,6-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
2-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
3,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
3,5-Dinitroaniline	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
3,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
3-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
4-Amino-2,6-dinitrotoluene	12000	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	D
4-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
Nitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
RDX	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
Tetryl	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 20:15	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/26/2013	06/26/2013 20:15	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/26/2013	06/26/2013 20:15	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	97.7	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A3-(0-1)

P132501-94 (Soil)

Date Sampled
06/12/2013 12:24

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,3,5-Trinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
2,3-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
2,4,6-Trinitrotoluene	320000	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	D
2,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
2,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
2,6-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
2-Amino-4,6-dinitrotoluene	45000	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	D
2-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
3,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
3,5-Dinitroaniline	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
3,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
3-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
4-Amino-2,6-dinitrotoluene	36000	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	D
4-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
Nitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
RDX	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
Tetryl	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	10000	ug/kg dry	50	06/26/2013	06/26/2013 22:55	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/26/2013	06/26/2013 22:55	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/26/2013	06/26/2013 22:55	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.5	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16A4-(0-1)

P132501-95 (Soil)

Date Sampled
06/12/2013 12:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,3,5-Trinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
2,3-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
2,4,6-Trinitrotoluene	39000	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	D
2,4-Dinitrotoluene	1000	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	D
2,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
2,6-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
2-Amino-4,6-dinitrotoluene	14000	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	D
2-Nitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
3,4-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
3,5-Dinitroaniline	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
3,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
3-Nitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
4-Amino-2,6-dinitrotoluene	22000	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	D
4-Nitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
Nitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
RDX	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
Tetryl	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:33	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	85.8 %		60-140		06/26/2013	06/28/2013 06:33	EPA 8270	
Surrogate: Nitrobenzene-d5	94.7 %		60-140		06/26/2013	06/28/2013 06:33	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	97.0	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B1-(0-1)

P132501-96 (Soil)

Date Sampled
06/12/2013 12:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,3,5-Trinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
2,3-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
2,4,6-Trinitrotoluene	45000	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	D
2,4-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
2,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
2,6-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
2-Amino-4,6-dinitrotoluene	3900	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	D
2-Nitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
3,4-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
3,5-Dinitroaniline	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
3,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
3-Nitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
4-Amino-2,6-dinitrotoluene	6800	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	D
4-Nitrotoluene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
Nitrobenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
RDX	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
Tetryl	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	1000	ug/kg dry	5	06/26/2013	06/28/2013 06:59	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	82.3 %		60-140		06/26/2013	06/28/2013 06:59	EPA 8270	
Surrogate: Nitrobenzene-d5	94.1 %		60-140		06/26/2013	06/28/2013 06:59	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.5	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B2-(0-1)

P132501-97 (Soil)

Date Sampled
06/12/2013 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,3,5-Trinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
2,3-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
2,4,6-Trinitrotoluene	110000	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	D
2,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
2,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
2,6-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
2-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
3,4-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
3,5-Dinitroaniline	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
3,5-Dinitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
3-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
4-Amino-2,6-dinitrotoluene	20000	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	D
4-Nitrotoluene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
Nitrobenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
RDX	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
Tetryl	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	10000	ug/kg dry	50	06/26/2013	06/27/2013 00:16	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/26/2013	06/27/2013 00:16	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/26/2013	06/27/2013 00:16	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.8	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B3-(0-1)

P132501-98 (Soil)

Date Sampled
06/12/2013 12:32

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
2,4,6-Trinitrotoluene	1400	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
2-Amino-4,6-dinitrotoluene	1400	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
4-Amino-2,6-dinitrotoluene	2600	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:40	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.8 %		60-140		06/26/2013	06/28/2013 05:40	EPA 8270	
Surrogate: Nitrobenzene-d5	94.3 %		60-140		06/26/2013	06/28/2013 05:40	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.0	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C16B4-(0-1)

P132501-99 (Soil)

Date Sampled
06/12/2013 12:34

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
2,4,6-Trinitrotoluene	1400	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
2-Amino-4,6-dinitrotoluene	910	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
4-Amino-2,6-dinitrotoluene	2000	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 06:06	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	93.3 %		60-140		06/26/2013	06/28/2013 06:06	EPA 8270	
Surrogate: Nitrobenzene-d5	96.0 %		60-140		06/26/2013	06/28/2013 06:06	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	95.8	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A1-(0-1)

P132601-01 (Soil)

Date Sampled
06/13/2013 11:22

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	19000	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	9000	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	5600	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	D
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	28000	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	35000	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	14000	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	86000	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	D
2,3-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
2,4,6-Trinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
3,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 01:36	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	89.1 %		60-140		06/26/2013	06/27/2013 01:36	EPA 8270	
Surrogate: Nitrobenzene-d5	112 %		60-140		06/26/2013	06/27/2013 01:36	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	95.5	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A2-(0-1)

P132601-02 (Soil)

Date Sampled
06/13/2013 11:24

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	29000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	17000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	6300	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	8400	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	41000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	47000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	5300	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	21000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	120000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
2,3-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
2,4,6-Trinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
3,4-Dinitrotoluene	5800	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	D
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:03	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.1 %		60-140		06/26/2013	06/27/2013 02:03	EPA 8270	
Surrogate: Nitrobenzene-d5	110 %		60-140		06/26/2013	06/27/2013 02:03	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	95.3	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A3-(0-1)

P132601-03 (Soil)

Date Sampled
06/13/2013 11:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	39000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	33000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	9300	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	11000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	61000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	64000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	7900	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	32000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	170000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
2,3-Dinitrotoluene	5600	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
2,4,6-Trinitrotoluene	6700	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
3,4-Dinitrotoluene	8500	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	D
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:30	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	98.2 %		60-140		06/26/2013	06/27/2013 02:30	EPA 8270	
Surrogate: Nitrobenzene-d5	111 %		60-140		06/26/2013	06/27/2013 02:30	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.4	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17A4-(0-1)

P132601-04 (Soil)

Date Sampled
06/13/2013 11:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	52000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	44000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	11000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	16000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	71000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	78000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	9700	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	38000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	4600	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
1,5-Dimethyl-2,4-Dinitrobenzene	190000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
2,3-Dinitrotoluene	6000	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
2,4,6-Trinitrotoluene	6400	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
3,4-Dinitrotoluene	8900	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	4900	4200	ug/kg dry	20	06/26/2013	06/27/2013 02:56	EPA 8270	D
Surrogate: 2,2'-Dinitrobiphenyl	102 %		60-140		06/26/2013	06/27/2013 02:56	EPA 8270	
Surrogate: Nitrobenzene-d5	66.0 %		60-140		06/26/2013	06/27/2013 02:56	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.6	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B1-(0-1)

P132601-05 (Soil)

Date Sampled
06/13/2013 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	30000	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	23000	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	6700	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	8200	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	48000	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	50000	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	6200	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	26000	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	130000	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
2,3-Dinitrotoluene	4700	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
2,4,6-Trinitrotoluene	5000	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
3,4-Dinitrotoluene	7500	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	D
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/26/2013	06/27/2013 03:23	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	99.5 %		60-140		06/26/2013	06/27/2013 03:23	EPA 8270	
Surrogate: Nitrobenzene-d5	101 %		60-140		06/26/2013	06/27/2013 03:23	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.5	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C17B2-(0-1)

P132601-06 (Soil)

Date Sampled
06/13/2013 11:32

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	53000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	50000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	12000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	15000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	94000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	94000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	10000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	45000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	5000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
1,5-Dimethyl-2,4-Dinitrobenzene	250000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
2,3-Dinitrotoluene	8700	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
2,4,6-Trinitrotoluene	7300	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
3,4-Dinitrotoluene	13000	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	D
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 21:40	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	99.9 %		60-140		06/26/2013	06/26/2013 21:40	EPA 8270	
Surrogate: Nitrobenzene-d5	96.6 %		60-140		06/26/2013	06/26/2013 21:40	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	94.6	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C12B2-(0-1)

P132601-07 (Soil)

Date Sampled
06/13/2013 09:44

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,3,5-Trinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,3-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
2,3-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
2,4,6-Trinitrotoluene	890000	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	D
2,4-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
2,5-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
2,6-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
2-Nitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
3,4-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
3,5-Dinitroaniline	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
3,5-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
3-Nitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
4-Nitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
Nitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
RDX	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
Tetryl	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	41000	ug/kg dry	200	06/26/2013	06/26/2013 23:00	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/26/2013	06/26/2013 23:00	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/26/2013	06/26/2013 23:00	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	96.4	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C12B3-(0-1)
P132601-08 (Soil)

Date Sampled
06/13/2013 09:46

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,3,5-Trinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,3-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
2,3-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
2,4,6-Trinitrotoluene	2600000	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	D
2,4-Dinitrotoluene	160000	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	D
2,5-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
2,6-Dinitrotoluene	64000	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	D
2-Amino-4,6-dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
2-Nitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
3,4-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
3,5-Dinitroaniline	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
3,5-Dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
3-Nitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
4-Nitrotoluene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
Nitrobenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
RDX	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
Tetryl	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	41000	ug/kg dry	200	06/26/2013	06/27/2013 00:47	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/26/2013	06/27/2013 00:47	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/26/2013	06/27/2013 00:47	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	96.6	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C12B4-(0-1)

P132601-09 (Soil)

Date Sampled
06/13/2013 09:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,3,5-Trinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,3-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
2,3-Dinitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
2,4,6-Trinitrotoluene	1900000	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	D
2,4-Dinitrotoluene	160000	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	D
2,5-Dinitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
2,6-Dinitrotoluene	91000	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	D
2-Amino-4,6-dinitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
2-Nitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
3,4-Dinitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
3,5-Dinitroaniline	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
3,5-Dinitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
3-Nitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
4-Nitrotoluene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
Nitrobenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
RDX	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
Tetryl	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	42000	ug/kg dry	200	06/26/2013	06/27/2013 01:14	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/26/2013	06/27/2013 01:14	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/26/2013	06/27/2013 01:14	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	96.3	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13A1-(0-1)

P132601-10 (Soil)

Date Sampled
06/13/2013 09:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	690	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
2,4-Dinitrotoluene	220	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 01:41	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	87.7 %		60-140		06/26/2013	06/27/2013 01:41	EPA 8270	
Surrogate: Nitrobenzene-d5	91.5 %		60-140		06/26/2013	06/27/2013 01:41	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	96.7	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13A2-(0-1)

P132601-11 (Soil)

Date Sampled
06/13/2013 09:54

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	370	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	340	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1100	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
2,4,6-Trinitrotoluene	310	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:10	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	92.2 %		60-140		06/26/2013	06/27/2013 05:10	EPA 8270	
Surrogate: Nitrobenzene-d5	103 %		60-140		06/26/2013	06/27/2013 05:10	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.1	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13A3-(0-1)

P132601-12 (Soil)

Date Sampled
06/13/2013 09:56

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	360	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	340	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	890	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
2,3-Dinitrotoluene	270	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
2,4,6-Trinitrotoluene	350	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
2,4-Dinitrotoluene	330	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
2,6-Dinitrotoluene	220	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
3,4-Dinitrotoluene	310	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
4-Amino-2,6-dinitrotoluene	210	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	270	210	ug/kg dry	1	06/26/2013	06/27/2013 05:37	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	91.0 %		60-140		06/26/2013	06/27/2013 05:37	EPA 8270	
Surrogate: Nitrobenzene-d5	100 %		60-140		06/26/2013	06/27/2013 05:37	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.6	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13A4-(0-1)

P132601-13 (Soil)

Date Sampled
06/13/2013 09:58

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	350	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	340	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	930	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
2,3-Dinitrotoluene	240	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
2,4,6-Trinitrotoluene	390	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
2,4-Dinitrotoluene	300	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
2,6-Dinitrotoluene	220	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
2-Amino-4,6-dinitrotoluene	210	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
3,4-Dinitrotoluene	280	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
4-Amino-2,6-dinitrotoluene	230	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:03	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	89.7 %		60-140		06/26/2013	06/27/2013 06:03	EPA 8270	
Surrogate: Nitrobenzene-d5	102 %		60-140		06/26/2013	06/27/2013 06:03	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	95.9	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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4051 Ogletown Road, Ste 300
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13B1-(0-1)

P132601-14 (Soil)

Date Sampled
06/13/2013 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	320	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	230	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	480	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
2,4,6-Trinitrotoluene	330	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:30	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	89.9 %		60-140		06/26/2013	06/27/2013 06:30	EPA 8270	
Surrogate: Nitrobenzene-d5	105 %		60-140		06/26/2013	06/27/2013 06:30	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.0	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13B2-(0-1)

P132601-15 (Soil)

Date Sampled
06/13/2013 10:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	330	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	240	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	520	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
2,4,6-Trinitrotoluene	420	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
2,4-Dinitrotoluene	270	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	480	210	ug/kg dry	1	06/26/2013	06/27/2013 06:57	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	87.9 %		60-140		06/26/2013	06/27/2013 06:57	EPA 8270	
Surrogate: Nitrobenzene-d5	98.5 %		60-140		06/26/2013	06/27/2013 06:57	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	96.2	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13B3-(0-1)

P132601-16 (Soil)

Date Sampled
06/13/2013 10:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	250	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	340	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1400	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
2,4,6-Trinitrotoluene	310	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
2,4-Dinitrotoluene	220	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:07	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	87.6 %		60-140		06/26/2013	06/27/2013 02:07	EPA 8270	
Surrogate: Nitrobenzene-d5	94.4 %		60-140		06/26/2013	06/27/2013 02:07	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	96.4	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C13B4-(0-1)

P132601-17 (Soil)

Date Sampled
06/13/2013 10:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	290	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	390	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1200	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
2,4,6-Trinitrotoluene	260	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
2,4-Dinitrotoluene	220	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 02:34	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	86.7 %		60-140		06/26/2013	06/27/2013 02:34	EPA 8270	
Surrogate: Nitrobenzene-d5	93.3 %		60-140		06/26/2013	06/27/2013 02:34	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	96.7	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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URS Corporation
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C14A3-(0-1)

P132601-18 (Soil)

Date Sampled
06/12/2013 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
2,3-Dinitrotoluene	270	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
2,4,6-Trinitrotoluene	2800	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
2,4-Dinitrotoluene	740	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
2,6-Dinitrotoluene	730	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
2-Amino-4,6-dinitrotoluene	410	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
3,4-Dinitrotoluene	380	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
4-Amino-2,6-dinitrotoluene	1400	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/26/2013	06/28/2013 05:13	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	93.0 %		60-140		06/26/2013	06/28/2013 05:13	EPA 8270	
Surrogate: Nitrobenzene-d5	92.6 %		60-140		06/26/2013	06/28/2013 05:13	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	95.2	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11A2-(0-1)

P132601-19 (Soil)

Date Sampled
06/13/2013 09:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	240	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	630	210	ug/kg dry	1	06/26/2013	06/27/2013 03:27	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	82.8 %		60-140		06/26/2013	06/27/2013 03:27	EPA 8270	
Surrogate: Nitrobenzene-d5	93.6 %		60-140		06/26/2013	06/27/2013 03:27	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	95.4	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11A3-(0-1)

P132601-20 (Soil)

Date Sampled
06/13/2013 09:22

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	320	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	340	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	580	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	570	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	250	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	2200	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
2,4,6-Trinitrotoluene	220	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
2,4-Dinitrotoluene	210	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	2500	210	ug/kg dry	1	06/26/2013	06/27/2013 03:54	EPA 8270	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>86.1 %</i>	<i>60-140</i>			<i>06/26/2013</i>	<i>06/27/2013 03:54</i>	<i>EPA 8270</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>94.6 %</i>	<i>60-140</i>			<i>06/26/2013</i>	<i>06/27/2013 03:54</i>	<i>EPA 8270</i>	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	95.8	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11A4-(0-1)

P132601-21 (Soil)

Date Sampled
06/13/2013 09:24

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,3,5-Trinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	1100	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	1100	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	3200	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	D
2,3-Dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
2,4,6-Trinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
2,4-Dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
2,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
2,6-Dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
2-Nitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
3,4-Dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
3,5-Dinitroaniline	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
3,5-Dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
3-Nitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
4-Nitrotoluene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
Nitrobenzene	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
RDX	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
Tetryl	ND	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	48000	1000	ug/kg dry	5	06/27/2013	06/27/2013 19:22	EPA 8270	D
Surrogate: 2,2'-Dinitrobiphenyl	92.1 %		60-140		06/27/2013	06/27/2013 19:22	EPA 8270	
Surrogate: Nitrobenzene-d5	68.2 %		60-140		06/27/2013	06/27/2013 19:22	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	95.6	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11B1-(0-1)

P132601-22 (Soil)

Date Sampled
06/13/2013 09:26

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	510	210	ug/kg dry	1	06/27/2013	06/28/2013 08:50	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	80.9 %		60-140		06/27/2013	06/28/2013 08:50	EPA 8270	
Surrogate: Nitrobenzene-d5	94.2 %		60-140		06/27/2013	06/28/2013 08:50	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	95.7	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11B2-(0-1)

P132601-23 (Soil)

Date Sampled
06/13/2013 09:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	240	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	280	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:16	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	74.2 %		60-140		06/27/2013	06/28/2013 09:16	EPA 8270	
Surrogate: Nitrobenzene-d5	91.9 %		60-140		06/27/2013	06/28/2013 09:16	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	95.7	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11B3-(0-1)

P132601-24 (Soil)

Date Sampled
06/13/2013 09:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	290	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
2,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
2,6-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	3800	210	ug/kg dry	1	06/27/2013	06/28/2013 09:43	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	79.4 %		60-140		06/27/2013	06/28/2013 09:43	EPA 8270	
Surrogate: Nitrobenzene-d5	93.1 %		60-140		06/27/2013	06/28/2013 09:43	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	94.2	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11B4-(0-1)

P132601-25 (Soil)

Date Sampled
06/13/2013 09:32

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	1600	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	1700	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,3,5-Trinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	2400	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,3-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	2700	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	1200	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	8700	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	D
2,3-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
2,4,6-Trinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
2,4-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
2,5-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
2,6-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
2-Nitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
3,4-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
3,5-Dinitroaniline	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
3,5-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
3-Nitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
4-Nitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
Nitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
RDX	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
Tetryl	ND	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	4000	1100	ug/kg dry	5	06/27/2013	06/27/2013 23:26	EPA 8270	D
Surrogate: 2,2'-Dinitrobiphenyl	86.5 %		60-140		06/27/2013	06/27/2013 23:26	EPA 8270	
Surrogate: Nitrobenzene-d5	103 %		60-140		06/27/2013	06/27/2013 23:26	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	94.0	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C12A1-(0-1)
P132601-26 (Soil)

Date Sampled
06/13/2013 09:34

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
2,3-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
2,4,6-Trinitrotoluene	2200000	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	D
2,4-Dinitrotoluene	3000000	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	D
2,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
2,6-Dinitrotoluene	200000	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	D
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
2-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
3,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
3,5-Dinitroaniline	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
3,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
3-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
4-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
Nitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
RDX	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
Tetryl	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:19	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/27/2013	06/28/2013 00:19	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/27/2013	06/28/2013 00:19	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	93.2	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C12A2-(0-1)

P132601-27 (Soil)

Date Sampled
06/13/2013 09:36

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
2,3-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
2,4,6-Trinitrotoluene	830000	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	D
2,4-Dinitrotoluene	150000	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	D
2,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
2,6-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
2-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
3,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
3,5-Dinitroaniline	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
3,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
3-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
4-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
Nitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
RDX	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
Tetryl	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 00:46	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/27/2013	06/28/2013 00:46	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/27/2013	06/28/2013 00:46	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	93.5	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C12A3-(0-1)
P132601-28 (Soil)

Date Sampled
 06/13/2013 09:38

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
2,3-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
2,4,6-Trinitrotoluene	470000	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	D
2,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
2,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
2,6-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
2-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
3,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
3,5-Dinitroaniline	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
3,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
3-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
4-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
Nitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
RDX	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
Tetryl	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:13	EPA 8270	
Surrogate: 2,2'-Dinitrophenyl	%		60-140		06/27/2013	06/28/2013 01:13	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/27/2013	06/28/2013 01:13	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	92.8	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C12A4-(0-1)

P132601-29 (Soil)

Date Sampled
06/13/2013 09:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
2,3-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
2,4,6-Trinitrotoluene	590000	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	D
2,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
2,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
2,6-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
2-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
3,4-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
3,5-Dinitroaniline	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
3,5-Dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
3-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
4-Nitrotoluene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
Nitrobenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
RDX	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
Tetryl	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	110000	ug/kg dry	500	06/27/2013	06/28/2013 01:40	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/27/2013	06/28/2013 01:40	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/27/2013	06/28/2013 01:40	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	93.8	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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2525 Advance Road
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C12B1-(0-1)
P132601-30 (Soil)

Date Sampled
 06/13/2013 09:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3,5-Trinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
2,3-Dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
2,4,6-Trinitrotoluene	180000	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	D
2,4-Dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
2,5-Dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
2,6-Dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
2-Nitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
3,4-Dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
3,5-Dinitroaniline	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
3,5-Dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
3-Nitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
4-Nitrotoluene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
Nitrobenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
RDX	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
Tetryl	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4300	ug/kg dry	20	06/27/2013	06/28/2013 10:10	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	97.0 %		60-140		06/27/2013	06/28/2013 10:10	EPA 8270	
Surrogate: Nitrobenzene-d5	93.6 %		60-140		06/27/2013	06/28/2013 10:10	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	94.0	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

C23-1A-S
P132601-31 (Soil)

Date Sampled
06/25/2013 11:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,3,5-Trinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
2,3-Dinitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
2,4,6-Trinitrotoluene	3300000	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:23	EPA 8270	D
2,4-Dinitrotoluene	4300	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	D
2,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
2,6-Dinitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
2-Amino-4,6-dinitrotoluene	7800	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	D
2-Nitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
3,4-Dinitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
3,5-Dinitroaniline	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
3,5-Dinitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
3-Nitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
4-Amino-2,6-dinitrotoluene	7400	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	D
4-Nitrotoluene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
Nitrobenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
RDX	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
Tetryl	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	4100	ug/kg dry	20	06/26/2013	06/26/2013 11:53	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	98.4 %		60-140		06/26/2013	06/26/2013 11:53	EPA 8270	
Surrogate: Nitrobenzene-d5	93.9 %		60-140		06/26/2013	06/26/2013 11:53	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	97.4	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
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 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

C23-2A-S
P132601-32 (Soil)

Date Sampled
 06/25/2013 11:36

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
2,3-Dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
2,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
2,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
2,6-Dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
2-Nitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
3,4-Dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
3,5-Dinitroaniline	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
3,5-Dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
3-Nitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
4-Nitrotoluene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
Nitrobenzene	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
RDX	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
Tetryl	ND	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	4600000	100000	ug/kg dry	500	06/26/2013	06/26/2013 12:50	EPA 8270	D
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/26/2013	06/26/2013 12:50	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/26/2013	06/26/2013 12:50	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306014

% Solids	98.1	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

C23-3A-T
P132601-33 (Soil)

Date Sampled
06/25/2013 11:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306015

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	54000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	48000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	12000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,2-Dimethyl-4,5-Dinitrobenzene	16000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,3,5-Trinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	88000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
1,3-Dinitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	92000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	11000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,4-Dimethyl-2,6-Dinitrobenzene	43000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	4800	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
1,5-Dimethyl-2,4-Dinitrobenzene	250000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
2,3-Dinitrotoluene	6900	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
2,4,6-Trinitrotoluene	12000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
2,4-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
2,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
2,6-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
2-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
3,4-Dinitrotoluene	10000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
3,5-Dinitroaniline	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
3,5-Dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
3-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
4-Nitrotoluene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
Nitrobenzene	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
RDX	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
Tetryl	ND	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	11000	4200	ug/kg dry	20	06/26/2013	06/26/2013 13:44	EPA 8270	D
Surrogate: 2,2'-Dinitrobiphenyl	104 %		60-140		06/26/2013	06/26/2013 13:44	EPA 8270	
Surrogate: Nitrobenzene-d5	93.8 %		60-140		06/26/2013	06/26/2013 13:44	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306014

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	96.0	0.00	% by Weight	1	06/26/2013	06/27/2013 15:52	SM 2540B	



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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

TSI 0613-VAA002

P132601-34 (Soil)

Date Sampled
06/24/2013 08:20

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306016

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
2,4,6-Trinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
2,4-Dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
2-Nitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
3-Nitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
4-Nitrotoluene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
Nitrobenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
RDX	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
Tetryl	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg dry	1	06/26/2013	06/26/2013 16:03	EPA 8270	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>93.5 %</i>		<i>60-140</i>		<i>06/26/2013</i>	<i>06/26/2013 16:03</i>	<i>EPA 8270</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>111 %</i>		<i>60-140</i>		<i>06/26/2013</i>	<i>06/26/2013 16:03</i>	<i>EPA 8270</i>	

Classical Chemistry Parameters

Preparation Batch: P306017

% Solids	99.1	0.00	% by Weight	1	06/26/2013	06/27/2013 15:59	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08B2-(0-1)

P132601-35 (Soil)

Date Sampled
06/12/2013 16:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	410	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
2,4-Dinitrotoluene	2400	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
2,6-Dinitrotoluene	320	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
2-Nitrotoluene	210	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	360	210	ug/kg dry	1	06/27/2013	06/28/2013 02:34	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.8 %		60-140		06/27/2013	06/28/2013 02:34	EPA 8270	
Surrogate: Nitrobenzene-d5	106 %		60-140		06/27/2013	06/28/2013 02:34	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	93.6	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08B3-(0-1)

P132601-36 (Soil)

Date Sampled
06/12/2013 16:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	430	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
2,4,6-Trinitrotoluene	210	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
2,4-Dinitrotoluene	2300	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
2,6-Dinitrotoluene	270	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:21	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.1 %		60-140		06/27/2013	06/28/2013 04:21	EPA 8270	
Surrogate: Nitrobenzene-d5	105 %		60-140		06/27/2013	06/28/2013 04:21	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	94.1	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C08B4-(0-1)

P132601-37 (Soil)

Date Sampled
06/12/2013 16:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	450	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
2,4,6-Trinitrotoluene	220	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
2,4-Dinitrotoluene	1900	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
2,6-Dinitrotoluene	300	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	240	220	ug/kg dry	1	06/27/2013	06/28/2013 04:48	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	94.8 %		60-140		06/27/2013	06/28/2013 04:48	EPA 8270	
Surrogate: Nitrobenzene-d5	104 %		60-140		06/27/2013	06/28/2013 04:48	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	92.9	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C10A1-(0-1)
P132601-38 (Soil)

Date Sampled
 06/13/2013 09:02

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	480	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
2,4,6-Trinitrotoluene	310	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
2,4-Dinitrotoluene	1100	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
2,6-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:15	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.1 %		60-140		06/27/2013	06/28/2013 05:15	EPA 8270	
Surrogate: Nitrobenzene-d5	97.9 %		60-140		06/27/2013	06/28/2013 05:15	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	91.2	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10A2-(0-1)

P132601-39 (Soil)

Date Sampled
06/13/2013 09:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	300	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1100	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
2,3-Dinitrotoluene	290	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
2,4,6-Trinitrotoluene	280	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
2,4-Dinitrotoluene	10000	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
2,6-Dinitrotoluene	390	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
3,4-Dinitrotoluene	520	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 05:42	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.5 %		60-140		06/27/2013	06/28/2013 05:42	EPA 8270	
Surrogate: Nitrobenzene-d5	104 %		60-140		06/27/2013	06/28/2013 05:42	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	91.5	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10A3-(0-1)

P132601-40 (Soil)

Date Sampled
06/13/2013 09:06

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	860	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
2,4,6-Trinitrotoluene	220	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
2,4-Dinitrotoluene	840	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
2,6-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:09	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	95.3 %		60-140		06/27/2013	06/28/2013 06:09	EPA 8270	
Surrogate: Nitrobenzene-d5	102 %		60-140		06/27/2013	06/28/2013 06:09	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	91.6	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10A4-(0-1)

P132601-41 (Soil)

Date Sampled
06/13/2013 09:08

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	410	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
2,4,6-Trinitrotoluene	270	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
2,4-Dinitrotoluene	660	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
2,6-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 06:36	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	93.0 %		60-140		06/27/2013	06/28/2013 06:36	EPA 8270	
Surrogate: Nitrobenzene-d5	101 %		60-140		06/27/2013	06/28/2013 06:36	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	89.5	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10B1-(0-1)

P132601-42 (Soil)

Date Sampled
06/13/2013 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	830	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	600	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	230	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	1400	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	2100	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	970	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	7300	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
2,3-Dinitrotoluene	880	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
2,4,6-Trinitrotoluene	480	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
2,4-Dinitrotoluene	1500	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
2,6-Dinitrotoluene	380	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
2-Amino-4,6-dinitrotoluene	250	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
3,4-Dinitrotoluene	1400	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
4-Amino-2,6-dinitrotoluene	340	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:03	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	99.2 %		60-140		06/27/2013	06/28/2013 07:03	EPA 8270	
Surrogate: Nitrobenzene-d5	103 %		60-140		06/27/2013	06/28/2013 07:03	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	90.8	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10B2-(0-1)

P132601-43 (Soil)

Date Sampled
06/13/2013 09:12

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	360	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	330	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	680	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	1200	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	440	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	4500	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
2,3-Dinitrotoluene	210	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
2,4,6-Trinitrotoluene	240	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
2,4-Dinitrotoluene	580	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
2,6-Dinitrotoluene	210	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
3,4-Dinitrotoluene	370	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 19:29	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	89.7 %		60-140		06/27/2013	06/27/2013 19:29	EPA 8270	
Surrogate: Nitrobenzene-d5	96.4 %		60-140		06/27/2013	06/27/2013 19:29	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.6	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	



2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C10B3-(0-1)

P132601-44 (Soil)

Date Sampled
06/13/2013 09:14

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	520	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
2,3-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
2,4,6-Trinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
2,4-Dinitrotoluene	1500	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
2,6-Dinitrotoluene	7300	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 07:30	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	97.0 %		60-140		06/27/2013	06/28/2013 07:30	EPA 8270	
Surrogate: Nitrobenzene-d5	103 %		60-140		06/27/2013	06/28/2013 07:30	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	90.6	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C10B4-(0-1)

P132601-45 (Soil)

Date Sampled
 06/13/2013 09:16

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	430	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
2,4-Dinitrotoluene	1400	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
2,6-Dinitrotoluene	230	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
3,4-Dinitrotoluene	220	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/27/2013	06/27/2013 22:09	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	85.3 %		60-140		06/27/2013	06/27/2013 22:09	EPA 8270	
Surrogate: Nitrobenzene-d5	95.0 %		60-140		06/27/2013	06/27/2013 22:09	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	94.9	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C11A1-(0-1)

P132601-46 (Soil)

Date Sampled
06/13/2013 09:18

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306019

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	230	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
2,3-Dinitrotoluene	230	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
2,4,6-Trinitrotoluene	220	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
2,4-Dinitrotoluene	310	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
2,6-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
3,4-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	1600	220	ug/kg dry	1	06/27/2013	06/28/2013 10:10	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	85.3 %		60-140		06/27/2013	06/28/2013 10:10	EPA 8270	
Surrogate: Nitrobenzene-d5	93.6 %		60-140		06/27/2013	06/28/2013 10:10	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306018

% Solids	90.2	0.00	% by Weight	1	06/27/2013	06/28/2013 09:21	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C04-(0-1)
P132601-47 (Soil)

Date Sampled
06/13/2013 08:12

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	140000	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	130000	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	50000	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	D
1,3,5-Trinitrobenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	180000	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
1,3-Dinitrobenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	230000	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	79000	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	810000	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	D
2,3-Dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
2,4,6-Trinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
2,4-Dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
2,5-Dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
2,6-Dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
2-Nitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
3,4-Dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
3,5-Dinitroaniline	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
3,5-Dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
3-Nitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
4-Nitrotoluene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
Nitrobenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
RDX	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
Tetryl	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	42000	ug/kg dry	200	06/27/2013	06/27/2013 22:35	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/27/2013	06/27/2013 22:35	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/27/2013	06/27/2013 22:35	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	94.8	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C04A4-(0-1)

P132601-48 (Soil)

Date Sampled
06/13/2013 08:14

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	180000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	170000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	62000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
1,3,5-Trinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	230000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
1,3-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	290000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	100000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	990000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
2,3-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
2,4,6-Trinitrotoluene	45000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	D
2,4-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
2,5-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
2,6-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
2-Nitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
3,4-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
3,5-Dinitroaniline	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
3,5-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
3-Nitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
4-Nitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
Nitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
RDX	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
Tetryl	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:02	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	%		60-140		06/27/2013	06/27/2013 23:02	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%		60-140		06/27/2013	06/27/2013 23:02	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306020

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	92.5	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	



2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C04B1-(0-1)

P132601-49 (Soil)

Date Sampled
06/13/2013 08:16

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	66000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	59000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,3,5-Trinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	61000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,3-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	92000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	320000	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	D
2,3-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
2,4,6-Trinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
2,4-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
2,5-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
2,6-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
2-Nitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
3,4-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
3,5-Dinitroaniline	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
3,5-Dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
3-Nitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
4-Nitrotoluene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
Nitrobenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
RDX	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
Tetryl	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	43000	ug/kg dry	200	06/27/2013	06/27/2013 23:28	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl		%	60-140		06/27/2013	06/27/2013 23:28	EPA 8270	DO
Surrogate: Nitrobenzene-d5		%	60-140		06/27/2013	06/27/2013 23:28	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	92.5	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C04B3-(0-1)

P132601-50 (Soil)

Date Sampled
06/13/2013 08:18

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,2-Dimethyl-3,4-Dinitrobenzene	190000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
1,2-Dimethyl-3,5-Dinitrobenzene	180000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
1,2-Dimethyl-3,6-Dinitrobenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	64000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
1,3,5-Trinitrobenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	250000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
1,3-Dinitrobenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	300000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
1,4-Dimethyl-2,5-Dinitrobenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	120000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
1,5-Dimethyl-2,3-Dinitrobenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1000000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
2,3-Dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
2,4,6-Trinitrotoluene	51000	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	D
2,4-Dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
2,5-Dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
2,6-Dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
2-Nitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
3,4-Dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
3,5-Dinitroaniline	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
3,5-Dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
3-Nitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
4-Nitrotoluene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
Nitrobenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
RDX	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
Tetryl	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	44000	ug/kg dry	200	06/27/2013	06/27/2013 23:55	EPA 8270	

Surrogate: 2,2'-Dinitrobiphenyl	%	60-140		06/27/2013	06/27/2013 23:55	EPA 8270	DO
Surrogate: Nitrobenzene-d5	%	60-140		06/27/2013	06/27/2013 23:55	EPA 8270	DO

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	90.0	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05A3-(0-1)

P132601-51 (Soil)

Date Sampled
06/13/2013 10:28

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	230	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	370	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	660	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
2,3-Dinitrotoluene	1600	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
2,4,6-Trinitrotoluene	260	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
2,4-Dinitrotoluene	1900	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
2,6-Dinitrotoluene	570	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
3,4-Dinitrotoluene	1600	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
3,5-Dinitrotoluene	280	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	280	220	ug/kg dry	1	06/27/2013	06/28/2013 00:21	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	88.8 %		60-140		06/27/2013	06/28/2013 00:21	EPA 8270	
Surrogate: Nitrobenzene-d5	90.0 %		60-140		06/27/2013	06/28/2013 00:21	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	92.7	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05A5-(0-1)

P132601-52 (Soil)

Date Sampled
06/13/2013 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,3,5-Trinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,3-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1100	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	D
2,3-Dinitrotoluene	3600	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	D
2,4,6-Trinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
2,4-Dinitrotoluene	4200	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	D
2,5-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
2,6-Dinitrotoluene	23000	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	D
2-Amino-4,6-dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
2-Nitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
3,4-Dinitrotoluene	3800	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	D
3,5-Dinitroaniline	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
3,5-Dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
3-Nitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
4-Nitrotoluene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
Nitrobenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
RDX	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
Tetryl	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	1100	ug/kg dry	5	06/27/2013	06/28/2013 00:48	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	59.3 %		60-140		06/27/2013	06/28/2013 00:48	EPA 8270	S
Surrogate: Nitrobenzene-d5	87.9 %		60-140		06/27/2013	06/28/2013 00:48	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	92.4	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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2525 Advance Road
Madison, WI 53718
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05A6-(0-1)

P132601-53 (Soil)

Date Sampled
06/13/2013 10:32

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	240	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	500	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
2,3-Dinitrotoluene	330	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
2,4,6-Trinitrotoluene	220	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
2,4-Dinitrotoluene	1600	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
2,6-Dinitrotoluene	510	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
3,4-Dinitrotoluene	470	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:14	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	85.2 %		60-140		06/27/2013	06/28/2013 01:14	EPA 8270	
Surrogate: Nitrobenzene-d5	91.7 %		60-140		06/27/2013	06/28/2013 01:14	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	95.4	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05B1-(0-1)

P132601-54 (Soil)

Date Sampled
06/13/2013 10:34

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	260	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
2,3-Dinitrotoluene	490	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
2,4-Dinitrotoluene	1500	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
2,6-Dinitrotoluene	390	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
3,4-Dinitrotoluene	520	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 01:41	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	85.4 %		60-140		06/27/2013	06/28/2013 01:41	EPA 8270	
Surrogate: Nitrobenzene-d5	92.6 %		60-140		06/27/2013	06/28/2013 01:41	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	94.6	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

BAR-S-PILOT-C05B2-(0-1)

P132601-55 (Soil)

Date Sampled
 06/13/2013 10:36

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	400	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	550	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	1100	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	490	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	1200	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
2,3-Dinitrotoluene	5500	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
2,4,6-Trinitrotoluene	540	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
2,4-Dinitrotoluene	4100	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
2,6-Dinitrotoluene	1500	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
3,4-Dinitrotoluene	8400	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
3,5-Dinitrotoluene	520	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
4-Amino-2,6-dinitrotoluene	230	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	440	220	ug/kg dry	1	06/27/2013	06/28/2013 02:07	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	97.4 %		60-140		06/27/2013	06/28/2013 02:07	EPA 8270	
Surrogate: Nitrobenzene-d5	93.0 %		60-140		06/27/2013	06/28/2013 02:07	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	90.0	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05B4-(0-1)

P132601-56 (Soil)

Date Sampled
06/13/2013 10:38

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	240	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	410	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	260	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	570	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
2,3-Dinitrotoluene	1200	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
2,4,6-Trinitrotoluene	310	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
2,4-Dinitrotoluene	28000	2200	ug/kg dry	10	06/27/2013	06/28/2013 09:16	EPA 8270	D
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
2,6-Dinitrotoluene	45000	2200	ug/kg dry	10	06/27/2013	06/28/2013 09:16	EPA 8270	D
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
3,4-Dinitrotoluene	2100	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
3,5-Dinitrotoluene	260	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 03:54	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	96.0 %		60-140		06/27/2013	06/28/2013 03:54	EPA 8270	
Surrogate: Nitrobenzene-d5	94.4 %		60-140		06/27/2013	06/28/2013 03:54	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	90.8	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05B5-(0-1)

P132601-57 (Soil)

Date Sampled
06/13/2013 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,3,5-Trinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	240	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
2,3-Dinitrotoluene	420	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
2,4,6-Trinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
2,4-Dinitrotoluene	3600	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
2,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
2,6-Dinitrotoluene	880	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
2-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
3,4-Dinitrotoluene	400	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
3,5-Dinitroaniline	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
3,5-Dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
3-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
4-Nitrotoluene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
Nitrobenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
RDX	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
Tetryl	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	220	ug/kg dry	1	06/27/2013	06/28/2013 04:20	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	91.8 %		60-140		06/27/2013	06/28/2013 04:20	EPA 8270	
Surrogate: Nitrobenzene-d5	94.7 %		60-140		06/27/2013	06/28/2013 04:20	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	89.5	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

BAR-S-PILOT-C05B6-(0-1)

P132601-58 (Soil)

Date Sampled
06/13/2013 10:42

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS - Lab #15

Explosive Compounds by EPA Method 8270

Preparation Batch: P306021

1,2-Dimethyl-3,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,3,5-Trinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,5-Dimethyl-2,4-Dinitrobenzene	240	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
2,3-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
2,4,6-Trinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
2,4-Dinitrotoluene	93000	4200	ug/kg dry	20	06/27/2013	06/28/2013 09:43	EPA 8270	D
2,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
2,6-Dinitrotoluene	760	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
2-Amino-4,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
2-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
3,4-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
3,5-Dinitroaniline	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
3,5-Dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
3-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
4-Amino-2,6-dinitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
4-Nitrotoluene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
Nitrobenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
RDX	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
Tetryl	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
1,3,5-Trinitro-2,4-dimethylbenzene	ND	210	ug/kg dry	1	06/27/2013	06/28/2013 04:47	EPA 8270	
Surrogate: 2,2'-Dinitrobiphenyl	89.6 %		60-140		06/27/2013	06/28/2013 04:47	EPA 8270	
Surrogate: Nitrobenzene-d5	92.7 %		60-140		06/27/2013	06/28/2013 04:47	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: P306020

% Solids	96.0	0.00	% by Weight	1	06/27/2013	06/28/2013 09:27	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306002 - EPA 3570

Blank (P306002-BLK1)

Prepared: 06/23/2013 Analyzed: 06/23/2013 18:51

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	3710		ug/kg wet	4000		92.8	60-140			
Surrogate: Nitrobenzene-d5	4130		ug/kg wet	4000		103	60-140			

LCS (P306002-BS1)

Prepared: 06/23/2013 Analyzed: 06/24/2013 03:47

1,2-Dimethyl-3,4-Dinitrobenzene	4020	200	ug/kg wet	4000		101	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	4250	200	ug/kg wet	4000		106	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	3780	200	ug/kg wet	4000		94.4	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	4290	200	ug/kg wet	4000		107	70-130			
1,3,5-Trinitrobenzene	5510	200	ug/kg wet	4000		138	70-130			E1
1,3-Dimethyl-2,4-Dinitrobenzene	3920	200	ug/kg wet	4000		98.0	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	3740	200	ug/kg wet	4000		93.5	70-130			
1,3-Dinitrobenzene	4630	200	ug/kg wet	4000		116	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	3860	200	ug/kg wet	4000		96.4	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	3940	200	ug/kg wet	4000		98.4	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	3900	200	ug/kg wet	4000		97.6	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	4050	200	ug/kg wet	4000		101	70-130			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306002 - EPA 3570

LCS (P306002-BS1)

Prepared: 06/23/2013 Analyzed: 06/24/2013 03:47

1,5-Dimethyl-2,4-Dinitrobenzene	4140	200	ug/kg wet	4000		104	70-130			
2,4,6-Trinitrotoluene	4770	200	ug/kg wet	4000		119	70-130			
2,4-Dinitrotoluene	4480	200	ug/kg wet	4000		112	70-130			
2,6-Dinitrotoluene	4000	200	ug/kg wet	4000		100	70-130			
2-Amino-4,6-dinitrotoluene	4710	200	ug/kg wet	4000		118	70-130			
2-Nitrotoluene	3670	200	ug/kg wet	4000		91.8	70-130			
3,5-Dinitroaniline	4850	200	ug/kg wet	4000		121	70-130			
3-Nitrotoluene	3950	200	ug/kg wet	4000		98.8	70-130			
4-Amino-2,6-dinitrotoluene	4710	200	ug/kg wet	4000		118	70-130			
4-Nitrotoluene	3900	200	ug/kg wet	4000		97.6	70-130			
Nitrobenzene	3640	200	ug/kg wet	4000		91.1	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>3910</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>97.8</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>3750</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>93.8</i>	<i>60-140</i>			

Matrix Spike (P306002-MS1)

Source: P132501-07

Prepared: 06/23/2013 Analyzed: 06/24/2013 21:24

1,2-Dimethyl-3,4-Dinitrobenzene	211000	58000	ug/kg dry	4640	318000	NR	70-130			M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	239000	58000	ug/kg dry	4640	318000	NR	70-130			M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	61400	58000	ug/kg dry	4640	74300	NR	70-130			M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	66600	58000	ug/kg dry	4640	101000	NR	70-130			M1, D
1,3,5-Trinitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130			M1
1,3-Dimethyl-2,4-Dinitrobenzene	503000	58000	ug/kg dry	4640	662000	NR	70-130			M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130			M1
1,3-Dinitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130			M1
1,4-Dimethyl-2,3-Dinitrobenzene	372000	58000	ug/kg dry	4640	609000	NR	70-130			M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	62800	58000	ug/kg dry	4640	75500	NR	70-130			M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	195000	58000	ug/kg dry	4640	239000	NR	70-130			M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	31600	58000	ug/kg dry	4640	34000	NR	70-130			M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	1540000	58000	ug/kg dry	4640	2050000	NR	70-130			M1, D
2,4,6-Trinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
2,4-Dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
2,6-Dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
2-Amino-4,6-dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
2-Nitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
3,5-Dinitroaniline	ND	58000	ug/kg dry	4640	ND		70-130			M1
3-Nitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
4-Amino-2,6-dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
4-Nitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130			M1
Nitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130			M1
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>ND</i>		<i>ug/kg dry</i>	<i>4640</i>			<i>60-140</i>			<i>DO</i>
<i>Surrogate: Nitrobenzene-d5</i>	<i>ND</i>		<i>ug/kg dry</i>	<i>4640</i>			<i>60-140</i>			<i>DO</i>



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306002 - EPA 3570

Matrix Spike Dup (P306002-MSD1)

Source: P132501-07 Prepared: 06/23/2013 Analyzed: 06/24/2013 21:52

1,2-Dimethyl-3,4-Dinitrobenzene	209000	58000	ug/kg dry	4640	318000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	251000	58000	ug/kg dry	4640	318000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	59900	58000	ug/kg dry	4640	74300	NR	70-130	NR	200	M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	64900	58000	ug/kg dry	4640	101000	NR	70-130	NR	200	M1, D
1,3,5-Trinitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
1,3-Dimethyl-2,4-Dinitrobenzene	543000	58000	ug/kg dry	4640	662000	NR	70-130	NR	200	M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
1,3-Dinitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
1,4-Dimethyl-2,3-Dinitrobenzene	411000	58000	ug/kg dry	4640	609000	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	64500	58000	ug/kg dry	4640	75500	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	220000	58000	ug/kg dry	4640	239000	NR	70-130	NR	200	M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	34200	58000	ug/kg dry	4640	34000	3.13	70-130	NR	200	M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	1570000	58000	ug/kg dry	4640	2050000	NR	70-130	NR	200	M1, D
2,4,6-Trinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
2,4-Dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
2,6-Dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
2-Amino-4,6-dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
2-Nitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
3,5-Dinitroaniline	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
3-Nitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
4-Amino-2,6-dinitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
4-Nitrotoluene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
Nitrobenzene	ND	58000	ug/kg dry	4640	ND		70-130		200	M1
Surrogate: 2,2'-Dinitrobiphenyl	ND		ug/kg dry	4640			60-140			DO
Surrogate: Nitrobenzene-d5	ND		ug/kg dry	4640			60-140			DO

Batch P306004 - EPA 3570

Blank (P306004-BLK1)

Prepared: 06/23/2013 Analyzed: 06/23/2013 19:40

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306004 - EPA 3570

Blank (P306004-BLK1)

Prepared: 06/23/2013 Analyzed: 06/23/2013 19:40

2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3020		ug/kg wet	4000		75.5	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	3880		ug/kg wet	4000		96.9	60-140			

LCS (P306004-BS1)

Prepared: 06/23/2013 Analyzed: 06/23/2013 20:07

1,2-Dimethyl-3,4-Dinitrobenzene	4240	200	ug/kg wet	4000		106	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	4200	200	ug/kg wet	4000		105	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	3960	200	ug/kg wet	4000		99.0	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	4340	200	ug/kg wet	4000		109	70-130			
1,3,5-Trinitrobenzene	5000	200	ug/kg wet	4000		125	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	3940	200	ug/kg wet	4000		98.6	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	3940	200	ug/kg wet	4000		98.6	70-130			
1,3-Dinitrobenzene	4160	200	ug/kg wet	4000		104	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	3930	200	ug/kg wet	4000		98.3	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	3930	200	ug/kg wet	4000		98.3	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	3930	200	ug/kg wet	4000		98.3	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	4180	200	ug/kg wet	4000		104	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	4090	200	ug/kg wet	4000		102	70-130			
2,4,6-Trinitrotoluene	4390	200	ug/kg wet	4000		110	70-130			
2,4-Dinitrotoluene	4280	200	ug/kg wet	4000		107	70-130			
2,6-Dinitrotoluene	4030	200	ug/kg wet	4000		101	70-130			
2-Amino-4,6-dinitrotoluene	4480	200	ug/kg wet	4000		112	70-130			
2-Nitrotoluene	4120	200	ug/kg wet	4000		103	70-130			
3,5-Dinitroaniline	4580	200	ug/kg wet	4000		115	70-130			
3-Nitrotoluene	4120	200	ug/kg wet	4000		103	70-130			
4-Amino-2,6-dinitrotoluene	4350	200	ug/kg wet	4000		109	70-130			
4-Nitrotoluene	4140	200	ug/kg wet	4000		104	70-130			
Nitrobenzene	3990	200	ug/kg wet	4000		99.8	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3680		ug/kg wet	4000		91.9	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	3620		ug/kg wet	4000		90.5	60-140			



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Project Number: LBIO-66526 Amendment 11
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Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306004 - EPA 3570

Matrix Spike (P306004-MS1)	Source: P132501-05		Prepared: 06/23/2013 Analyzed: 06/24/2013 22:19							
1,2-Dimethyl-3,4-Dinitrobenzene	405000	110000	ug/kg dry	4446	603000	NR	70-130			M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	479000	110000	ug/kg dry	4446	603000	NR	70-130			M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	115000	110000	ug/kg dry	4446	142000	NR	70-130			M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	131000	110000	ug/kg dry	4446	182000	NR	70-130			M1, D
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	4446	ND		70-130			M1
1,3-Dimethyl-2,4-Dinitrobenzene	1030000	110000	ug/kg dry	4446	1200000	NR	70-130			M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	4446	ND		70-130			M1
1,3-Dinitrobenzene	ND	110000	ug/kg dry	4446	ND		70-130			M1
1,4-Dimethyl-2,3-Dinitrobenzene	718000	110000	ug/kg dry	4446	1020000	NR	70-130			M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	125000	110000	ug/kg dry	4446	144000	NR	70-130			M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	375000	110000	ug/kg dry	4446	486000	NR	70-130			M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	58200	110000	ug/kg dry	4446	69000	NR	70-130			M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	3160000	110000	ug/kg dry	4446	4160000	NR	70-130			M1, D
2,4,6-Trinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
2,4-Dinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
2,6-Dinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
2-Nitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
3,5-Dinitroaniline	ND	110000	ug/kg dry	4446	ND		70-130			M1
3-Nitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
4-Nitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130			M1
Nitrobenzene	ND	110000	ug/kg dry	4446	ND		70-130			M1
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>ND</i>		<i>ug/kg dry</i>	<i>4446</i>			<i>60-140</i>			<i>DO</i>
<i>Surrogate: Nitrobenzene-d5</i>	<i>ND</i>		<i>ug/kg dry</i>	<i>4446</i>			<i>60-140</i>			<i>DO</i>

Matrix Spike Dup (P306004-MSD1)	Source: P132501-05		Prepared: 06/23/2013 Analyzed: 06/24/2013 22:46							
1,2-Dimethyl-3,4-Dinitrobenzene	403000	110000	ug/kg dry	4446	603000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	461000	110000	ug/kg dry	4446	603000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	118000	110000	ug/kg dry	4446	142000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	136000	110000	ug/kg dry	4446	182000	NR	70-130	NR	200	M1, D
1,3,5-Trinitrobenzene	ND	110000	ug/kg dry	4446	ND		70-130		200	M1
1,3-Dimethyl-2,4-Dinitrobenzene	995000	110000	ug/kg dry	4446	1200000	NR	70-130	NR	200	M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	110000	ug/kg dry	4446	ND		70-130		200	M1
1,3-Dinitrobenzene	ND	110000	ug/kg dry	4446	ND		70-130		200	M1
1,4-Dimethyl-2,3-Dinitrobenzene	763000	110000	ug/kg dry	4446	1020000	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	126000	110000	ug/kg dry	4446	144000	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	421000	110000	ug/kg dry	4446	486000	NR	70-130	NR	200	M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	62700	110000	ug/kg dry	4446	69000	NR	70-130	NR	200	M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	3160000	110000	ug/kg dry	4446	4160000	NR	70-130	NR	200	M1, D
2,4,6-Trinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130		200	M1
2,4-Dinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130		200	M1
2,6-Dinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130		200	M1
2-Amino-4,6-dinitrotoluene	ND	110000	ug/kg dry	4446	ND		70-130		200	M1



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ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306004 - EPA 3570

Matrix Spike Dup (P306004-MSD1)	Source: P132501-05	Prepared: 06/23/2013	Analyzed: 06/24/2013 22:46				
2-Nitrotoluene	ND	110000	ug/kg dry 4446	ND	70-130	200	M1
3,5-Dinitroaniline	ND	110000	ug/kg dry 4446	ND	70-130	200	M1
3-Nitrotoluene	ND	110000	ug/kg dry 4446	ND	70-130	200	M1
4-Amino-2,6-dinitrotoluene	ND	110000	ug/kg dry 4446	ND	70-130	200	M1
4-Nitrotoluene	ND	110000	ug/kg dry 4446	ND	70-130	200	M1
Nitrobenzene	ND	110000	ug/kg dry 4446	ND	70-130	200	M1
Surrogate: 2,2'-Dinitrobiphenyl	ND		ug/kg dry 4446		60-140		DO
Surrogate: Nitrobenzene-d5	ND		ug/kg dry 4446		60-140		DO

Batch P306007 - EPA 3570

Blank (P306007-BLK1)	Prepared: 06/24/2013	Analyzed: 06/25/2013 05:14
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	3220	ug/kg wet 4000 80.5 60-140
Surrogate: Nitrobenzene-d5	3800	ug/kg wet 4000 95.1 60-140



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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 P306007 - EPA 3570

LCS (P306007-BS1)

Prepared: 06/24/2013 Analyzed: 06/25/2013 05:41

1,2-Dimethyl-3,4-Dinitrobenzene	3930	200	ug/kg wet	4000		98.2	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	3940	200	ug/kg wet	4000		98.6	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	3610	200	ug/kg wet	4000		90.2	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	3840	200	ug/kg wet	4000		96.1	70-130			
1,3,5-Trinitrobenzene	3840	200	ug/kg wet	4000		96.0	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	3770	200	ug/kg wet	4000		94.2	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	3810	200	ug/kg wet	4000		95.4	70-130			
1,3-Dinitrobenzene	3630	200	ug/kg wet	4000		90.9	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	3960	200	ug/kg wet	4000		99.1	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	3720	200	ug/kg wet	4000		93.1	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	3580	200	ug/kg wet	4000		89.5	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	3880	200	ug/kg wet	4000		97.1	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	3730	200	ug/kg wet	4000		93.3	70-130			
2,4,6-Trinitrotoluene	3840	200	ug/kg wet	4000		96.1	70-130			
2,4-Dinitrotoluene	3740	200	ug/kg wet	4000		93.4	70-130			
2,6-Dinitrotoluene	3700	200	ug/kg wet	4000		92.6	70-130			
2-Amino-4,6-dinitrotoluene	3760	200	ug/kg wet	4000		93.9	70-130			
2-Nitrotoluene	3790	200	ug/kg wet	4000		94.8	70-130			
3,5-Dinitroaniline	3760	200	ug/kg wet	4000		94.0	70-130			
3-Nitrotoluene	3720	200	ug/kg wet	4000		92.9	70-130			
4-Amino-2,6-dinitrotoluene	3580	200	ug/kg wet	4000		89.5	70-130			
4-Nitrotoluene	3660	200	ug/kg wet	4000		91.4	70-130			
Nitrobenzene	3780	200	ug/kg wet	4000		94.4	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>3580</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>89.4</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>3490</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>87.1</i>	<i>60-140</i>			

Matrix Spike (P306007-MS1)

Source: P132501-01

Prepared: 06/24/2013 Analyzed: 06/25/2013 06:08

1,2-Dimethyl-3,4-Dinitrobenzene	261000	100000	ug/kg dry	4166	328000	NR	70-130			M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	256000	100000	ug/kg dry	4166	313000	NR	70-130			M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	73700	100000	ug/kg dry	4166	83800	NR	70-130			M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	96800	100000	ug/kg dry	4166	117000	NR	70-130			M1, D
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130			M1
1,3-Dimethyl-2,4-Dinitrobenzene	505000	100000	ug/kg dry	4166	671000	NR	70-130			M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130			M1
1,3-Dinitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130			M1
1,4-Dimethyl-2,3-Dinitrobenzene	468000	100000	ug/kg dry	4166	582000	NR	70-130			M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	74900	100000	ug/kg dry	4166	85400	NR	70-130			M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	206000	100000	ug/kg dry	4166	233000	NR	70-130			M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	57700	100000	ug/kg dry	4166	61100	NR	70-130			M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	1730000	100000	ug/kg dry	4166	2150000	NR	70-130			M1, D
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1
2,4-Dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1
2,6-Dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1



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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 P306007 - EPA 3570

Matrix Spike (P306007-MS1)	Source: P132501-01	Prepared: 06/24/2013	Analyzed: 06/25/2013 06:08							
2-Nitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1
3,5-Dinitroaniline	ND	100000	ug/kg dry	4166	ND		70-130			M1
3-Nitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1
4-Nitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130			M1
Nitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130			M1
Surrogate: 2,2'-Dinitrobiphenyl	ND		ug/kg dry	4166			60-140			DO
Surrogate: Nitrobenzene-d5	ND		ug/kg dry	4166			60-140			DO

Matrix Spike Dup (P306007-MSD1)	Source: P132501-01	Prepared: 06/24/2013	Analyzed: 06/25/2013 06:35							
1,2-Dimethyl-3,4-Dinitrobenzene	261000	100000	ug/kg dry	4166	328000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	268000	100000	ug/kg dry	4166	313000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	75100	100000	ug/kg dry	4166	83800	NR	70-130	NR	200	M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	98500	100000	ug/kg dry	4166	117000	NR	70-130	NR	200	M1, D
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
1,3-Dimethyl-2,4-Dinitrobenzene	557000	100000	ug/kg dry	4166	671000	NR	70-130	NR	200	M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
1,3-Dinitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
1,4-Dimethyl-2,3-Dinitrobenzene	478000	100000	ug/kg dry	4166	582000	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	77900	100000	ug/kg dry	4166	85400	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	206000	100000	ug/kg dry	4166	233000	NR	70-130	NR	200	M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	57100	100000	ug/kg dry	4166	61100	NR	70-130	NR	200	M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	1840000	100000	ug/kg dry	4166	2150000	NR	70-130	NR	200	M1, D
2,4,6-Trinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
2,4-Dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
2,6-Dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
2-Nitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
3,5-Dinitroaniline	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
3-Nitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
4-Amino-2,6-dinitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
4-Nitrotoluene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
Nitrobenzene	ND	100000	ug/kg dry	4166	ND		70-130		200	M1
Surrogate: 2,2'-Dinitrobiphenyl	ND		ug/kg dry	4166			60-140			DO
Surrogate: Nitrobenzene-d5	ND		ug/kg dry	4166			60-140			DO

Batch P306008 - EPA 3570

Blank (P306008-BLK1)	Prepared: 06/24/2013	Analyzed: 06/25/2013 00:08
1,2-Dimethyl-3,4-Dinitrobenzene	ND	200 ug/kg wet
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200 ug/kg wet
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200 ug/kg wet
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200 ug/kg wet
1,3,5-Trinitrobenzene	ND	200 ug/kg wet



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306008 - EPA 3570

Blank (P306008-BLK1)

Prepared: 06/24/2013 Analyzed: 06/25/2013 00:08

1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>4040</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>101</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>4400</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>110</i>	<i>60-140</i>			

LCS (P306008-BS1)

Prepared: 06/24/2013 Analyzed: 06/25/2013 01:57

1,2-Dimethyl-3,4-Dinitrobenzene	4060	200	ug/kg wet	4000		102	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	4120	200	ug/kg wet	4000		103	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	4230	200	ug/kg wet	4000		106	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	4410	200	ug/kg wet	4000		110	70-130			
1,3,5-Trinitrobenzene	4470	200	ug/kg wet	4000		112	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	4070	200	ug/kg wet	4000		102	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	4250	200	ug/kg wet	4000		106	70-130			
1,3-Dinitrobenzene	3990	200	ug/kg wet	4000		99.8	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	4130	200	ug/kg wet	4000		103	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	4170	200	ug/kg wet	4000		104	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	4070	200	ug/kg wet	4000		102	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	3880	200	ug/kg wet	4000		97.1	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	4290	200	ug/kg wet	4000		107	70-130			
2,4,6-Trinitrotoluene	4530	200	ug/kg wet	4000		113	70-130			
2,4-Dinitrotoluene	5120	200	ug/kg wet	4000		128	70-130			
2,6-Dinitrotoluene	3970	200	ug/kg wet	4000		99.1	70-130			
2-Amino-4,6-dinitrotoluene	4570	200	ug/kg wet	4000		114	70-130			



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306008 - EPA 3570

LCS (P306008-BS1)

Prepared: 06/24/2013 Analyzed: 06/25/2013 01:57

2-Nitrotoluene	4700	200	ug/kg wet	4000		118	70-130			
3,5-Dinitroaniline	4530	200	ug/kg wet	4000		113	70-130			
3-Nitrotoluene	4240	200	ug/kg wet	4000		106	70-130			
4-Amino-2,6-dinitrotoluene	4250	200	ug/kg wet	4000		106	70-130			
4-Nitrotoluene	4240	200	ug/kg wet	4000		106	70-130			
Nitrobenzene	4290	200	ug/kg wet	4000		107	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	4270		<i>ug/kg wet</i>	4000		107	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	4050		<i>ug/kg wet</i>	4000		101	60-140			

Matrix Spike (P306008-MS1)

Source: P132501-42

Prepared: 06/24/2013 Analyzed: 06/25/2013 08:42

1,2-Dimethyl-3,4-Dinitrobenzene	3690	4100	ug/kg dry	4127	ND	89.4	70-130			D
1,2-Dimethyl-3,5-Dinitrobenzene	4090	4100	ug/kg dry	4127	ND	99.1	70-130			D
1,2-Dimethyl-3,6-Dinitrobenzene	4010	4100	ug/kg dry	4127	ND	97.1	70-130			D
1,2-Dimethyl-4,5-Dinitrobenzene	4000	4100	ug/kg dry	4127	ND	97.1	70-130			D
1,3,5-Trinitrobenzene	4440	4100	ug/kg dry	4127	ND	108	70-130			D
1,3-Dimethyl-2,4-Dinitrobenzene	4580	4100	ug/kg dry	4127	ND	111	70-130			D
1,3-Dimethyl-2,5-Dinitrobenzene	4120	4100	ug/kg dry	4127	ND	99.9	70-130			D
1,3-Dinitrobenzene	3780	4100	ug/kg dry	4127	ND	91.7	70-130			D
1,4-Dimethyl-2,3-Dinitrobenzene	4010	4100	ug/kg dry	4127	ND	97.2	70-130			D
1,4-Dimethyl-2,5-Dinitrobenzene	4290	4100	ug/kg dry	4127	0.00	104	70-130			D
1,4-Dimethyl-2,6-Dinitrobenzene	4360	4100	ug/kg dry	4127	ND	106	70-130			D
1,5-Dimethyl-2,3-Dinitrobenzene	3480	4100	ug/kg dry	4127	ND	84.4	70-130			D
1,5-Dimethyl-2,4-Dinitrobenzene	4410	4100	ug/kg dry	4127	ND	107	70-130			D
2,4,6-Trinitrotoluene	25900	4100	ug/kg dry	4127	46300	NR	70-130			M1, D
2,4-Dinitrotoluene	4830	4100	ug/kg dry	4127	ND	117	70-130			D
2,6-Dinitrotoluene	4150	4100	ug/kg dry	4127	ND	100	70-130			D
2-Amino-4,6-dinitrotoluene	5050	4100	ug/kg dry	4127	ND	122	70-130			D
2-Nitrotoluene	4130	4100	ug/kg dry	4127	ND	100	70-130			D
3,5-Dinitroaniline	4200	4100	ug/kg dry	4127	ND	102	70-130			D
3-Nitrotoluene	3850	4100	ug/kg dry	4127	ND	93.4	70-130			D
4-Amino-2,6-dinitrotoluene	9800	4100	ug/kg dry	4127	7230	62.4	70-130			M1, D
4-Nitrotoluene	4290	4100	ug/kg dry	4127	ND	104	70-130			D
Nitrobenzene	4910	4100	ug/kg dry	4127	ND	119	70-130			D
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3610		<i>ug/kg dry</i>	4127		87.6	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	3970		<i>ug/kg dry</i>	4127		96.1	60-140			

Matrix Spike Dup (P306008-MSD1)

Source: P132501-42

Prepared: 06/24/2013 Analyzed: 06/25/2013 09:09

1,2-Dimethyl-3,4-Dinitrobenzene	3600	4100	ug/kg dry	4127	ND	87.2	70-130	2.54	200	D
1,2-Dimethyl-3,5-Dinitrobenzene	3950	4100	ug/kg dry	4127	ND	95.7	70-130	3.47	200	D
1,2-Dimethyl-3,6-Dinitrobenzene	3990	4100	ug/kg dry	4127	ND	96.8	70-130	0.392	200	D
1,2-Dimethyl-4,5-Dinitrobenzene	4040	4100	ug/kg dry	4127	ND	97.8	70-130	0.780	200	D
1,3,5-Trinitrobenzene	4730	4100	ug/kg dry	4127	ND	115	70-130	6.22	200	D
1,3-Dimethyl-2,4-Dinitrobenzene	4510	4100	ug/kg dry	4127	ND	109	70-130	1.57	200	D
1,3-Dimethyl-2,5-Dinitrobenzene	4170	4100	ug/kg dry	4127	ND	101	70-130	1.13	200	D



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 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306008 - EPA 3570

Matrix Spike Dup (P306008-MSD1)	Source: P132501-42	Prepared: 06/24/2013	Analyzed: 06/25/2013 09:09							
1,3-Dinitrobenzene	3900	4100	ug/kg dry	4127	ND	94.6	70-130	3.09	200	D
1,4-Dimethyl-2,3-Dinitrobenzene	4230	4100	ug/kg dry	4127	ND	103	70-130	5.38	200	D
1,4-Dimethyl-2,5-Dinitrobenzene	3950	4100	ug/kg dry	4127	0.00	95.6	70-130	8.35	200	D
1,4-Dimethyl-2,6-Dinitrobenzene	4200	4100	ug/kg dry	4127	ND	102	70-130	3.72	200	D
1,5-Dimethyl-2,3-Dinitrobenzene	3510	4100	ug/kg dry	4127	ND	85.2	70-130	0.956	200	D
1,5-Dimethyl-2,4-Dinitrobenzene	4430	4100	ug/kg dry	4127	ND	107	70-130	0.448	200	D
2,4,6-Trinitrotoluene	24400	4100	ug/kg dry	4127	46300	NR	70-130	NR	200	M1, D
2,4-Dinitrotoluene	5250	4100	ug/kg dry	4127	ND	127	70-130	8.33	200	D
2,6-Dinitrotoluene	4280	4100	ug/kg dry	4127	ND	104	70-130	3.13	200	D
2-Amino-4,6-dinitrotoluene	4990	4100	ug/kg dry	4127	ND	121	70-130	1.19	200	D
2-Nitrotoluene	4680	4100	ug/kg dry	4127	ND	113	70-130	12.6	200	D
3,5-Dinitroaniline	4250	4100	ug/kg dry	4127	ND	103	70-130	1.03	200	D
3-Nitrotoluene	4160	4100	ug/kg dry	4127	ND	101	70-130	7.72	200	D
4-Amino-2,6-dinitrotoluene	9990	4100	ug/kg dry	4127	7230	66.9	70-130	6.96	200	M1, D
4-Nitrotoluene	4150	4100	ug/kg dry	4127	ND	101	70-130	3.44	200	D
Nitrobenzene	5460	4100	ug/kg dry	4127	ND	132	70-130	10.6	200	M1, D
Surrogate: 2,2'-Dinitrobiphenyl	3480		ug/kg dry	4127		84.2	60-140			
Surrogate: Nitrobenzene-d5	4120		ug/kg dry	4127		99.8	60-140			

Batch P306011 - EPA 3570

Blank (P306011-BLK1)	Prepared: 06/25/2013	Analyzed: 06/26/2013 05:04								
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							



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306011 - EPA 3570

Blank (P306011-BLK1)

Prepared: 06/25/2013 Analyzed: 06/26/2013 05:04

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	3270		ug/kg wet	4000		81.7	60-140			
Surrogate: Nitrobenzene-d5	3650		ug/kg wet	4000		91.3	60-140			

LCS (P306011-BS1)

Prepared: 06/25/2013 Analyzed: 06/26/2013 05:57

1,2-Dimethyl-3,4-Dinitrobenzene	4030	200	ug/kg wet	4000		101	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	3920	200	ug/kg wet	4000		97.9	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	3880	200	ug/kg wet	4000		97.1	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	3930	200	ug/kg wet	4000		98.2	70-130			
1,3,5-Trinitrobenzene	3800	200	ug/kg wet	4000		95.1	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	4010	200	ug/kg wet	4000		100	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	4070	200	ug/kg wet	4000		102	70-130			
1,3-Dinitrobenzene	3760	200	ug/kg wet	4000		94.0	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	4140	200	ug/kg wet	4000		104	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	4030	200	ug/kg wet	4000		101	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	3880	200	ug/kg wet	4000		97.0	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	3880	200	ug/kg wet	4000		96.9	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	3960	200	ug/kg wet	4000		99.1	70-130			
2,4,6-Trinitrotoluene	4190	200	ug/kg wet	4000		105	70-130			
2,4-Dinitrotoluene	3900	200	ug/kg wet	4000		97.5	70-130			
2,6-Dinitrotoluene	3930	200	ug/kg wet	4000		98.3	70-130			
2-Amino-4,6-dinitrotoluene	3520	200	ug/kg wet	4000		88.0	70-130			
2-Nitrotoluene	4160	200	ug/kg wet	4000		104	70-130			
3,5-Dinitroaniline	3540	200	ug/kg wet	4000		88.4	70-130			
3-Nitrotoluene	3840	200	ug/kg wet	4000		96.0	70-130			
4-Amino-2,6-dinitrotoluene	3660	200	ug/kg wet	4000		91.6	70-130			
4-Nitrotoluene	3820	200	ug/kg wet	4000		95.6	70-130			
Nitrobenzene	4030	200	ug/kg wet	4000		101	70-130			
Surrogate: 2,2'-Dinitrobiphenyl	3610		ug/kg wet	4000		90.2	60-140			
Surrogate: Nitrobenzene-d5	3670		ug/kg wet	4000		91.8	60-140			

Matrix Spike (P306011-MS1)

Source: P132501-62

Prepared: 06/25/2013 Analyzed: 06/25/2013 18:52

1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1



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Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306011 - EPA 3570

Matrix Spike (P306011-MS1)	Source: P132501-62	Prepared: 06/25/2013	Analyzed: 06/25/2013 18:52							
1,3-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	0.00		70-130			M1
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
2,4,6-Trinitrotoluene	5530000	100000	ug/kg dry	4068	5380000	NR	70-130			M1, D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130			M1
2,6-Dinitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130			M1
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130			M1
2-Nitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130			M1
3,5-Dinitroaniline	ND	100000	ug/kg dry	4068	ND		70-130			M1
3-Nitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130			M1
4-Amino-2,6-dinitrotoluene	70800	100000	ug/kg dry	4068	73700	NR	70-130			M1, D
4-Nitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130			M1
Nitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130			M1
Surrogate: 2,2'-Dinitrobiphenyl	ND		ug/kg dry	4068			60-140			M1
Surrogate: Nitrobenzene-d5	ND		ug/kg dry	4068			60-140			M1

Matrix Spike Dup (P306011-MSD1)	Source: P132501-62	Prepared: 06/25/2013	Analyzed: 06/25/2013 19:19							
1,2-Dimethyl-3,4-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,2-Dimethyl-3,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,2-Dimethyl-3,6-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,2-Dimethyl-4,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,3,5-Trinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,3-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,3-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,3-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,4-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,4-Dimethyl-2,5-Dinitrobenzene	ND	100000	ug/kg dry	4068	0.00		70-130	200		M1
1,4-Dimethyl-2,6-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,5-Dimethyl-2,3-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
1,5-Dimethyl-2,4-Dinitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
2,4,6-Trinitrotoluene	5010000	100000	ug/kg dry	4068	5380000	NR	70-130	NR	200	M1, D
2,4-Dinitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
2,6-Dinitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
2-Amino-4,6-dinitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
2-Nitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
3,5-Dinitroaniline	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
3-Nitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
4-Amino-2,6-dinitrotoluene	72900	100000	ug/kg dry	4068	73700	NR	70-130	NR	200	M1, D
4-Nitrotoluene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
Nitrobenzene	ND	100000	ug/kg dry	4068	ND		70-130	200		M1
Surrogate: 2,2'-Dinitrobiphenyl	ND		ug/kg dry	4068			60-140			M1



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306011 - EPA 3570

Matrix Spike Dup (P306011-MSD1)

Source: P132501-62

Prepared: 06/25/2013 Analyzed: 06/25/2013 19:19

Surrogate: Nitrobenzene-d5	ND		ug/kg dry	4068			60-140			MI
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Batch P306012 - EPA 3570

Blank (P306012-BLK1)

Prepared: 06/25/2013 Analyzed: 06/25/2013 21:59

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
Surrogate: 2,2'-Dinitrophenyl	4600		ug/kg wet	4000		115	60-140			
Surrogate: Nitrobenzene-d5	4670		ug/kg wet	4000		117	60-140			

LCS (P306012-BS1)

Prepared: 06/25/2013 Analyzed: 06/25/2013 22:26

1,2-Dimethyl-3,4-Dinitrobenzene	4240	200	ug/kg wet	4000		106	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	4440	200	ug/kg wet	4000		111	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	4730	200	ug/kg wet	4000		118	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	4640	200	ug/kg wet	4000		116	70-130			
1,3,5-Trinitrobenzene	5820	200	ug/kg wet	4000		146	70-130			E1
1,3-Dimethyl-2,4-Dinitrobenzene	4660	200	ug/kg wet	4000		117	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	4830	200	ug/kg wet	4000		121	70-130			



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 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306012 - EPA 3570

LCS (P306012-BS1)

Prepared: 06/25/2013 Analyzed: 06/25/2013 22:26

1,3-Dinitrobenzene	4590	200	ug/kg wet	4000		115	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	4690	200	ug/kg wet	4000		117	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	4910	200	ug/kg wet	4000		123	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	4600	200	ug/kg wet	4000		115	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	4130	200	ug/kg wet	4000		103	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	5140	200	ug/kg wet	4000		128	70-130			
2,4,6-Trinitrotoluene	5000	200	ug/kg wet	4000		125	70-130			
2,4-Dinitrotoluene	5980	200	ug/kg wet	4000		150	70-130			E1
2,6-Dinitrotoluene	4420	200	ug/kg wet	4000		110	70-130			
2-Amino-4,6-dinitrotoluene	4560	200	ug/kg wet	4000		114	70-130			
2-Nitrotoluene	4820	200	ug/kg wet	4000		121	70-130			
3,5-Dinitroaniline	4820	200	ug/kg wet	4000		120	70-130			
3-Nitrotoluene	4210	200	ug/kg wet	4000		105	70-130			
4-Amino-2,6-dinitrotoluene	4260	200	ug/kg wet	4000		107	70-130			
4-Nitrotoluene	4480	200	ug/kg wet	4000		112	70-130			
Nitrobenzene	4310	200	ug/kg wet	4000		108	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>4680</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>117</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>4230</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>106</i>	<i>60-140</i>			

Matrix Spike (P306012-MS1)

Source: P132501-72

Prepared: 06/25/2013 Analyzed: 06/25/2013 23:20

1,2-Dimethyl-3,4-Dinitrobenzene	4290	4200	ug/kg dry	4152	ND	103	70-130			M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	5210	4200	ug/kg dry	4152	ND	126	70-130			M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	5550	4200	ug/kg dry	4152	ND	134	70-130			M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	5040	4200	ug/kg dry	4152	ND	121	70-130			M1, D
1,3,5-Trinitrobenzene	7490	4200	ug/kg dry	4152	4350	75.6	70-130			M1, D
1,3-Dimethyl-2,4-Dinitrobenzene	5090	4200	ug/kg dry	4152	ND	123	70-130			M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	5490	4200	ug/kg dry	4152	ND	132	70-130			M1, D
1,3-Dinitrobenzene	4440	4200	ug/kg dry	4152	ND	107	70-130			M1, D
1,4-Dimethyl-2,3-Dinitrobenzene	4940	4200	ug/kg dry	4152	ND	119	70-130			M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	5040	4200	ug/kg dry	4152	0.00	121	70-130			M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	5140	4200	ug/kg dry	4152	ND	124	70-130			M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	4000	4200	ug/kg dry	4152	ND	96.3	70-130			M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	7070	4200	ug/kg dry	4152	2830	102	70-130			M1, D
2,4,6-Trinitrotoluene	303000	4200	ug/kg dry	4152	309000	NR	70-130			M1, D
2,4-Dinitrotoluene	90800	4200	ug/kg dry	4152	104000	NR	70-130			M1, D
2,6-Dinitrotoluene	28800	4200	ug/kg dry	4152	26500	55.7	70-130			M1, D
2-Amino-4,6-dinitrotoluene	9290	4200	ug/kg dry	4152	6560	65.8	70-130			M1, D
2-Nitrotoluene	5660	4200	ug/kg dry	4152	ND	136	70-130			M1, D
3,5-Dinitroaniline	5170	4200	ug/kg dry	4152	2660	60.4	70-130			M1, D
3-Nitrotoluene	4550	4200	ug/kg dry	4152	ND	110	70-130			M1, D
4-Amino-2,6-dinitrotoluene	8090	4200	ug/kg dry	4152	5360	65.8	70-130			M1, D
4-Nitrotoluene	4210	4200	ug/kg dry	4152	ND	102	70-130			M1, D
Nitrobenzene	3640	4200	ug/kg dry	4152	ND	87.6	70-130			M1, D
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>4540</i>		<i>ug/kg dry</i>	<i>4152</i>		<i>109</i>	<i>60-140</i>			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306012 - EPA 3570

Matrix Spike (P306012-MS1) Source: P132501-72 Prepared: 06/25/2013 Analyzed: 06/25/2013 23:20

Surrogate: Nitrobenzene-d5 4620 ug/kg dry 4152 111 60-140

Matrix Spike Dup (P306012-MSD1) Source: P132501-72 Prepared: 06/25/2013 Analyzed: 06/25/2013 23:47

1,2-Dimethyl-3,4-Dinitrobenzene	4460	4200	ug/kg dry	4152	ND	107	70-130	4.01	200	M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	4830	4200	ug/kg dry	4152	ND	116	70-130	7.65	200	M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	5260	4200	ug/kg dry	4152	ND	127	70-130	5.37	200	M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	5340	4200	ug/kg dry	4152	ND	129	70-130	5.76	200	M1, D
1,3,5-Trinitrobenzene	7680	4200	ug/kg dry	4152	4350	80.0	70-130	5.69	200	M1, D
1,3-Dimethyl-2,4-Dinitrobenzene	5280	4200	ug/kg dry	4152	ND	127	70-130	3.69	200	M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	5590	4200	ug/kg dry	4152	ND	135	70-130	1.89	200	M1, D
1,3-Dinitrobenzene	4260	4200	ug/kg dry	4152	ND	103	70-130	4.24	200	M1, D
1,4-Dimethyl-2,3-Dinitrobenzene	4640	4200	ug/kg dry	4152	ND	112	70-130	6.23	200	M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	5200	4200	ug/kg dry	4152	0.00	125	70-130	2.99	200	M1, D
1,4-Dimethyl-2,6-Dinitrobenzene	4900	4200	ug/kg dry	4152	ND	118	70-130	4.71	200	M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	3860	4200	ug/kg dry	4152	ND	92.9	70-130	3.62	200	M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	7150	4200	ug/kg dry	4152	2830	104	70-130	1.95	200	M1, D
2,4,6-Trinitrotoluene	290000	4200	ug/kg dry	4152	309000	NR	70-130	NR	200	M1, D
2,4-Dinitrotoluene	79100	4200	ug/kg dry	4152	104000	NR	70-130	NR	200	M1, D
2,6-Dinitrotoluene	29700	4200	ug/kg dry	4152	26500	76.4	70-130	31.4	200	M1, D
2-Amino-4,6-dinitrotoluene	9110	4200	ug/kg dry	4152	6560	61.2	70-130	7.15	200	M1, D
2-Nitrotoluene	5910	4200	ug/kg dry	4152	ND	142	70-130	4.24	200	M1, D
3,5-Dinitroaniline	5250	4200	ug/kg dry	4152	2660	62.5	70-130	3.40	200	M1, D
3-Nitrotoluene	4380	4200	ug/kg dry	4152	ND	105	70-130	3.85	200	M1, D
4-Amino-2,6-dinitrotoluene	8450	4200	ug/kg dry	4152	5360	74.5	70-130	12.3	200	M1, D
4-Nitrotoluene	4920	4200	ug/kg dry	4152	ND	118	70-130	15.4	200	M1, D
Nitrobenzene	3490	4200	ug/kg dry	4152	ND	84.1	70-130	4.08	200	M1, D
Surrogate: 2,2'-Dinitrobiphenyl	4370		ug/kg dry	4152		105	60-140			
Surrogate: Nitrobenzene-d5	4130		ug/kg dry	4152		99.5	60-140			

Batch P306015 - EPA 3570

Blank (P306015-BLK1) Prepared: 06/26/2013 Analyzed: 06/26/2013 19:21

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							



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306015 - EPA 3570

Blank (P306015-BLK1)

Prepared: 06/26/2013 Analyzed: 06/26/2013 19:21

1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3310		ug/kg wet	4000		82.6	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	4070		ug/kg wet	4000		102	60-140			

LCS (P306015-BS1)

Prepared: 06/26/2013 Analyzed: 06/26/2013 19:48

1,2-Dimethyl-3,4-Dinitrobenzene	3910	200	ug/kg wet	4000		97.7	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	3960	200	ug/kg wet	4000		98.9	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	4000	200	ug/kg wet	4000		100	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	4150	200	ug/kg wet	4000		104	70-130			
1,3,5-Trinitrobenzene	4350	200	ug/kg wet	4000		109	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	3920	200	ug/kg wet	4000		98.0	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	3980	200	ug/kg wet	4000		99.6	70-130			
1,3-Dinitrobenzene	3950	200	ug/kg wet	4000		98.8	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	3980	200	ug/kg wet	4000		99.5	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	3980	200	ug/kg wet	4000		99.6	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	4010	200	ug/kg wet	4000		100	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	3890	200	ug/kg wet	4000		97.2	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	3990	200	ug/kg wet	4000		99.8	70-130			
2,4,6-Trinitrotoluene	3930	200	ug/kg wet	4000		98.2	70-130			
2,4-Dinitrotoluene	5040	200	ug/kg wet	4000		126	70-130			
2,6-Dinitrotoluene	3980	200	ug/kg wet	4000		99.5	70-130			
2-Amino-4,6-dinitrotoluene	4130	200	ug/kg wet	4000		103	70-130			
2-Nitrotoluene	4020	200	ug/kg wet	4000		101	70-130			
3,5-Dinitroaniline	3940	200	ug/kg wet	4000		98.6	70-130			
3-Nitrotoluene	3970	200	ug/kg wet	4000		99.2	70-130			
4-Amino-2,6-dinitrotoluene	4050	200	ug/kg wet	4000		101	70-130			
4-Nitrotoluene	3940	200	ug/kg wet	4000		98.5	70-130			
Nitrobenzene	4000	200	ug/kg wet	4000		100	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3790		ug/kg wet	4000		94.7	60-140			



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Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306015 - EPA 3570

LCS (P306015-BS1)

Prepared: 06/26/2013 Analyzed: 06/26/2013 19:48

Surrogate: Nitrobenzene-d5 3830 ug/kg wet 4000 95.7 60-140

Matrix Spike (P306015-MS1)

Source: P132501-93

Prepared: 06/26/2013 Analyzed: 06/26/2013 20:41

1,2-Dimethyl-3,4-Dinitrobenzene	5000	10000	ug/kg dry	4094	ND	122	70-130			D
1,2-Dimethyl-3,5-Dinitrobenzene	4860	10000	ug/kg dry	4094	ND	119	70-130			D
1,2-Dimethyl-3,6-Dinitrobenzene	3920	10000	ug/kg dry	4094	ND	95.7	70-130			D
1,2-Dimethyl-4,5-Dinitrobenzene	5290	10000	ug/kg dry	4094	ND	129	70-130			D
1,3,5-Trinitrobenzene	6710	10000	ug/kg dry	4094	ND	164	70-130			M1, D
1,3-Dimethyl-2,4-Dinitrobenzene	4270	10000	ug/kg dry	4094	ND	104	70-130			D
1,3-Dimethyl-2,5-Dinitrobenzene	3870	10000	ug/kg dry	4094	ND	94.5	70-130			D
1,3-Dinitrobenzene	6040	10000	ug/kg dry	4094	ND	148	70-130			M1, D
1,4-Dimethyl-2,3-Dinitrobenzene	5070	10000	ug/kg dry	4094	ND	124	70-130			D
1,4-Dimethyl-2,5-Dinitrobenzene	4680	10000	ug/kg dry	4094	0.00	114	70-130			D
1,4-Dimethyl-2,6-Dinitrobenzene	4770	10000	ug/kg dry	4094	ND	117	70-130			D
1,5-Dimethyl-2,3-Dinitrobenzene	4840	10000	ug/kg dry	4094	ND	118	70-130			D
1,5-Dimethyl-2,4-Dinitrobenzene	5470	10000	ug/kg dry	4094	ND	134	70-130			M1, D
2,4,6-Trinitrotoluene	199000	10000	ug/kg dry	4094	239000	NR	70-130			M1, D
2,4-Dinitrotoluene	8860	10000	ug/kg dry	4094	ND	216	70-130			M1, D
2,6-Dinitrotoluene	4400	10000	ug/kg dry	4094	ND	107	70-130			D
2-Amino-4,6-dinitrotoluene	8540	10000	ug/kg dry	4094	6950	38.6	70-130			M1, D
2-Nitrotoluene	3750	10000	ug/kg dry	4094	ND	91.6	70-130			D
3,5-Dinitroaniline	6740	10000	ug/kg dry	4094	ND	165	70-130			M1, D
3-Nitrotoluene	4850	10000	ug/kg dry	4094	ND	118	70-130			D
4-Amino-2,6-dinitrotoluene	13800	10000	ug/kg dry	4094	12100	42.4	70-130			M1, D
4-Nitrotoluene	3380	10000	ug/kg dry	4094	ND	82.5	70-130			D
Nitrobenzene	6330	10000	ug/kg dry	4094	ND	155	70-130			M1, D

Surrogate: 2,2'-Dinitrobiphenyl 4830 ug/kg dry 4094 118 60-140

Surrogate: Nitrobenzene-d5 5170 ug/kg dry 4094 126 60-140

Matrix Spike Dup (P306015-MSD1)

Source: P132501-93

Prepared: 06/26/2013 Analyzed: 06/26/2013 21:08

1,2-Dimethyl-3,4-Dinitrobenzene	4730	10000	ug/kg dry	4094	ND	116	70-130	5.55	200	D
1,2-Dimethyl-3,5-Dinitrobenzene	4940	10000	ug/kg dry	4094	ND	121	70-130	1.67	200	D
1,2-Dimethyl-3,6-Dinitrobenzene	4170	10000	ug/kg dry	4094	ND	102	70-130	6.23	200	D
1,2-Dimethyl-4,5-Dinitrobenzene	5500	10000	ug/kg dry	4094	ND	134	70-130	3.81	200	M1, D
1,3,5-Trinitrobenzene	6420	10000	ug/kg dry	4094	ND	157	70-130	4.40	200	M1, D
1,3-Dimethyl-2,4-Dinitrobenzene	4410	10000	ug/kg dry	4094	ND	108	70-130	3.18	200	D
1,3-Dimethyl-2,5-Dinitrobenzene	3770	10000	ug/kg dry	4094	ND	92.1	70-130	2.57	200	D
1,3-Dinitrobenzene	5210	10000	ug/kg dry	4094	ND	127	70-130	14.7	200	D
1,4-Dimethyl-2,3-Dinitrobenzene	5150	10000	ug/kg dry	4094	ND	126	70-130	1.64	200	D
1,4-Dimethyl-2,5-Dinitrobenzene	3780	10000	ug/kg dry	4094	0.00	92.3	70-130	21.3	200	D
1,4-Dimethyl-2,6-Dinitrobenzene	4540	10000	ug/kg dry	4094	ND	111	70-130	4.92	200	D
1,5-Dimethyl-2,3-Dinitrobenzene	4800	10000	ug/kg dry	4094	ND	117	70-130	0.870	200	D
1,5-Dimethyl-2,4-Dinitrobenzene	4970	10000	ug/kg dry	4094	ND	121	70-130	9.60	200	D
2,4,6-Trinitrotoluene	239000	10000	ug/kg dry	4094	239000	NR	70-130	NR	200	M1, D



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306015 - EPA 3570

Matrix Spike Dup (P306015-MSD1)	Source: P132501-93	Prepared: 06/26/2013	Analyzed: 06/26/2013 21:08						
2,4-Dinitrotoluene	4420	10000	ug/kg dry 4094	ND	108	70-130	66.9	200	D
2,6-Dinitrotoluene	4100	10000	ug/kg dry 4094	ND	100	70-130	7.04	200	D
2-Amino-4,6-dinitrotoluene	8340	10000	ug/kg dry 4094	6950	33.7	70-130	13.5	200	M1, D
2-Nitrotoluene	1750	10000	ug/kg dry 4094	ND	42.8	70-130	72.7	200	M1, D
3,5-Dinitroaniline	6320	10000	ug/kg dry 4094	ND	154	70-130	6.42	200	M1, D
3-Nitrotoluene	4220	10000	ug/kg dry 4094	ND	103	70-130	13.8	200	D
4-Amino-2,6-dinitrotoluene	13200	10000	ug/kg dry 4094	12100	27.8	70-130	41.4	200	M1, D
4-Nitrotoluene	3260	10000	ug/kg dry 4094	ND	79.7	70-130	3.48	200	D
Nitrobenzene	6290	10000	ug/kg dry 4094	ND	154	70-130	0.762	200	M1, D
Surrogate: 2,2'-Dinitrobiphenyl	4950		ug/kg dry 4094		121	60-140			
Surrogate: Nitrobenzene-d5	5290		ug/kg dry 4094		129	60-140			

Batch P306016 - EPA 3570

Blank (P306016-BLK1)	Prepared: 06/26/2013	Analyzed: 06/26/2013 20:20
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	3650	ug/kg wet 4000 91.2 60-140



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306016 - EPA 3570

Blank (P306016-BLK1)

Prepared: 06/26/2013 Analyzed: 06/26/2013 20:20

Surrogate: Nitrobenzene-d5 3830 ug/kg wet 4000 95.7 60-140

LCS (P306016-BS1)

Prepared: 06/26/2013 Analyzed: 06/26/2013 20:46

1,2-Dimethyl-3,4-Dinitrobenzene	4190	200	ug/kg wet	4000		105	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	4220	200	ug/kg wet	4000		106	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	4130	200	ug/kg wet	4000		103	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	4170	200	ug/kg wet	4000		104	70-130			
1,3,5-Trinitrobenzene	5120	200	ug/kg wet	4000		128	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	4120	200	ug/kg wet	4000		103	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	4280	200	ug/kg wet	4000		107	70-130			
1,3-Dinitrobenzene	4110	200	ug/kg wet	4000		103	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	4360	200	ug/kg wet	4000		109	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	4190	200	ug/kg wet	4000		105	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	4130	200	ug/kg wet	4000		103	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	4120	200	ug/kg wet	4000		103	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	4290	200	ug/kg wet	4000		107	70-130			
2,4,6-Trinitrotoluene	4480	200	ug/kg wet	4000		112	70-130			
2,4-Dinitrotoluene	4220	200	ug/kg wet	4000		106	70-130			
2,6-Dinitrotoluene	4150	200	ug/kg wet	4000		104	70-130			
2-Amino-4,6-dinitrotoluene	4220	200	ug/kg wet	4000		105	70-130			
2-Nitrotoluene	4030	200	ug/kg wet	4000		101	70-130			
3,5-Dinitroaniline	4200	200	ug/kg wet	4000		105	70-130			
3-Nitrotoluene	3780	200	ug/kg wet	4000		94.6	70-130			
4-Amino-2,6-dinitrotoluene	4060	200	ug/kg wet	4000		102	70-130			
4-Nitrotoluene	3840	200	ug/kg wet	4000		96.0	70-130			
Nitrobenzene	3930	200	ug/kg wet	4000		98.3	70-130			
Surrogate: 2,2'-Dinitrobiphenyl	3990		ug/kg wet	4000		99.8	60-140			
Surrogate: Nitrobenzene-d5	3660		ug/kg wet	4000		91.5	60-140			

Matrix Spike (P306016-MS1)

Source: P132601-06

Prepared: 06/26/2013 Analyzed: 06/26/2013 22:06

1,2-Dimethyl-3,4-Dinitrobenzene	48900	4200	ug/kg dry	4229	52700	NR	70-130			M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	51000	4200	ug/kg dry	4229	50000	25.7	70-130			M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	15400	4200	ug/kg dry	4229	12200	76.4	70-130			D
1,2-Dimethyl-4,5-Dinitrobenzene	16500	4200	ug/kg dry	4229	15200	32.4	70-130			M1, D
1,3,5-Trinitrobenzene	5190	4200	ug/kg dry	4229	ND	123	70-130			D
1,3-Dimethyl-2,4-Dinitrobenzene	92100	4200	ug/kg dry	4229	93800	NR	70-130			M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	4670	4200	ug/kg dry	4229	ND	111	70-130			D
1,3-Dinitrobenzene	3910	4200	ug/kg dry	4229	ND	92.5	70-130			D
1,4-Dimethyl-2,3-Dinitrobenzene	86200	4200	ug/kg dry	4229	94100	NR	70-130			M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	14000	4200	ug/kg dry	4229	10400	86.8	70-130			D
1,4-Dimethyl-2,6-Dinitrobenzene	46300	4200	ug/kg dry	4229	44600	40.3	70-130			M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	7810	4200	ug/kg dry	4229	5000	66.6	70-130			M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	240000	4200	ug/kg dry	4229	254000	NR	70-130			M1, D
2,4,6-Trinitrotoluene	9780	4200	ug/kg dry	4229	7340	57.7	70-130			M1, D



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306016 - EPA 3570

Matrix Spike (P306016-MS1)	Source: P132601-06		Prepared: 06/26/2013 Analyzed: 06/26/2013 22:06							
2,4-Dinitrotoluene	5880	4200	ug/kg dry	4229	3690	51.6	70-130			M1, D
2,6-Dinitrotoluene	4810	4200	ug/kg dry	4229	ND	114	70-130			D
2-Amino-4,6-dinitrotoluene	5060	4200	ug/kg dry	4229	3770	30.4	70-130			M1, D
2-Nitrotoluene	4250	4200	ug/kg dry	4229	ND	101	70-130			D
3,5-Dinitroaniline	3950	4200	ug/kg dry	4229	ND	93.4	70-130			D
3-Nitrotoluene	3890	4200	ug/kg dry	4229	ND	91.9	70-130			D
4-Amino-2,6-dinitrotoluene	4580	4200	ug/kg dry	4229	3340	29.2	70-130			M1, D
4-Nitrotoluene	3960	4200	ug/kg dry	4229	ND	93.8	70-130			D
Nitrobenzene	4030	4200	ug/kg dry	4229	ND	95.4	70-130			D
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3650		<i>ug/kg dry</i>	4229		86.3	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	3650		<i>ug/kg dry</i>	4229		86.3	60-140			

Matrix Spike Dup (P306016-MSD1)	Source: P132601-06		Prepared: 06/26/2013 Analyzed: 06/26/2013 22:33							
1,2-Dimethyl-3,4-Dinitrobenzene	48900	4200	ug/kg dry	4229	52700	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,5-Dinitrobenzene	49700	4200	ug/kg dry	4229	50000	NR	70-130	NR	200	M1, D
1,2-Dimethyl-3,6-Dinitrobenzene	15000	4200	ug/kg dry	4229	12200	66.1	70-130	14.5	200	M1, D
1,2-Dimethyl-4,5-Dinitrobenzene	16600	4200	ug/kg dry	4229	15200	34.1	70-130	5.05	200	M1, D
1,3,5-Trinitrobenzene	5170	4200	ug/kg dry	4229	ND	122	70-130	0.441	200	D
1,3-Dimethyl-2,4-Dinitrobenzene	91500	4200	ug/kg dry	4229	93800	NR	70-130	NR	200	M1, D
1,3-Dimethyl-2,5-Dinitrobenzene	4460	4200	ug/kg dry	4229	ND	106	70-130	4.58	200	D
1,3-Dinitrobenzene	3840	4200	ug/kg dry	4229	ND	90.9	70-130	1.81	200	D
1,4-Dimethyl-2,3-Dinitrobenzene	82100	4200	ug/kg dry	4229	94100	NR	70-130	NR	200	M1, D
1,4-Dimethyl-2,5-Dinitrobenzene	13800	4200	ug/kg dry	4229	10400	81.2	70-130	6.71	200	D
1,4-Dimethyl-2,6-Dinitrobenzene	45700	4200	ug/kg dry	4229	44600	24.9	70-130	47.2	200	M1, D
1,5-Dimethyl-2,3-Dinitrobenzene	7610	4200	ug/kg dry	4229	5000	61.7	70-130	7.55	200	M1, D
1,5-Dimethyl-2,4-Dinitrobenzene	228000	4200	ug/kg dry	4229	254000	NR	70-130	NR	200	M1, D
2,4,6-Trinitrotoluene	9700	4200	ug/kg dry	4229	7340	55.7	70-130	3.40	200	M1, D
2,4-Dinitrotoluene	5540	4200	ug/kg dry	4229	3690	43.7	70-130	16.6	200	M1, D
2,6-Dinitrotoluene	4810	4200	ug/kg dry	4229	ND	114	70-130	0.0791	200	D
2-Amino-4,6-dinitrotoluene	4680	4200	ug/kg dry	4229	3770	21.5	70-130	34.5	200	M1, D
2-Nitrotoluene	4210	4200	ug/kg dry	4229	ND	99.7	70-130	0.909	200	D
3,5-Dinitroaniline	3980	4200	ug/kg dry	4229	ND	94.1	70-130	0.736	200	D
3-Nitrotoluene	4040	4200	ug/kg dry	4229	ND	95.6	70-130	3.88	200	D
4-Amino-2,6-dinitrotoluene	4460	4200	ug/kg dry	4229	3340	26.4	70-130	10.3	200	M1, D
4-Nitrotoluene	3970	4200	ug/kg dry	4229	ND	94.0	70-130	0.266	200	D
Nitrobenzene	4100	4200	ug/kg dry	4229	ND	97.0	70-130	1.69	200	D
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3620		<i>ug/kg dry</i>	4229		85.6	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	3700		<i>ug/kg dry</i>	4229		87.4	60-140			



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 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306019 - EPA 3570

Blank (P306019-BLK1)

Prepared: 06/27/2013 Analyzed: 06/27/2013 18:28

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg wet							
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg wet							
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg wet							
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg wet							
2,3-Dinitrotoluene	ND	200	ug/kg wet							
2,4,6-Trinitrotoluene	ND	200	ug/kg wet							
2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
Surrogate: 2,2'-Dinitrobiphenyl	3600		ug/kg wet	4000		90.1	60-140			
Surrogate: Nitrobenzene-d5	4230		ug/kg wet	4000		106	60-140			

LCS (P306019-BS1)

Prepared: 06/27/2013 Analyzed: 06/27/2013 18:55

1,2-Dimethyl-3,4-Dinitrobenzene	3870	200	ug/kg wet	4000		96.7	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	3960	200	ug/kg wet	4000		99.1	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	3930	200	ug/kg wet	4000		98.3	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	4100	200	ug/kg wet	4000		103	70-130			
1,3,5-Trinitrobenzene	4490	200	ug/kg wet	4000		112	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	3890	200	ug/kg wet	4000		97.2	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	3880	200	ug/kg wet	4000		97.0	70-130			
1,3-Dinitrobenzene	3970	200	ug/kg wet	4000		99.4	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	3970	200	ug/kg wet	4000		99.4	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	4050	200	ug/kg wet	4000		101	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	3950	200	ug/kg wet	4000		98.8	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	3890	200	ug/kg wet	4000		97.3	70-130			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306019 - EPA 3570

LCS (P306019-BS1)

Prepared: 06/27/2013 Analyzed: 06/27/2013 18:55

1,5-Dimethyl-2,4-Dinitrobenzene	4010	200	ug/kg wet	4000		100	70-130			
2,4,6-Trinitrotoluene	4010	200	ug/kg wet	4000		100	70-130			
2,4-Dinitrotoluene	4960	200	ug/kg wet	4000		124	70-130			
2,6-Dinitrotoluene	3970	200	ug/kg wet	4000		99.3	70-130			
2-Amino-4,6-dinitrotoluene	4120	200	ug/kg wet	4000		103	70-130			
2-Nitrotoluene	4060	200	ug/kg wet	4000		101	70-130			
3,5-Dinitroaniline	3850	200	ug/kg wet	4000		96.2	70-130			
3-Nitrotoluene	3910	200	ug/kg wet	4000		97.8	70-130			
4-Amino-2,6-dinitrotoluene	3980	200	ug/kg wet	4000		99.4	70-130			
4-Nitrotoluene	3950	200	ug/kg wet	4000		98.8	70-130			
Nitrobenzene	3420	200	ug/kg wet	4000		85.5	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>4700</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>118</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>3730</i>		<i>ug/kg wet</i>	<i>4000</i>		<i>93.3</i>	<i>60-140</i>			

Matrix Spike (P306019-MS1)

Source: P132601-21

Prepared: 06/27/2013 Analyzed: 06/27/2013 19:49

1,2-Dimethyl-3,4-Dinitrobenzene	4100	1000	ug/kg dry	4186	718	80.9	70-130			D
1,2-Dimethyl-3,5-Dinitrobenzene	4580	1000	ug/kg dry	4186	749	91.6	70-130			D
1,2-Dimethyl-3,6-Dinitrobenzene	3950	1000	ug/kg dry	4186	ND	94.3	70-130			D
1,2-Dimethyl-4,5-Dinitrobenzene	3740	1000	ug/kg dry	4186	ND	89.3	70-130			D
1,3,5-Trinitrobenzene	3010	1000	ug/kg dry	4186	ND	71.9	70-130			D
1,3-Dimethyl-2,4-Dinitrobenzene	5110	1000	ug/kg dry	4186	1140	94.8	70-130			D
1,3-Dimethyl-2,5-Dinitrobenzene	3990	1000	ug/kg dry	4186	ND	95.4	70-130			D
1,3-Dinitrobenzene	3340	1000	ug/kg dry	4186	ND	79.9	70-130			D
1,4-Dimethyl-2,3-Dinitrobenzene	4740	1000	ug/kg dry	4186	1110	86.7	70-130			D
1,4-Dimethyl-2,5-Dinitrobenzene	4220	1000	ug/kg dry	4186	308	93.5	70-130			D
1,4-Dimethyl-2,6-Dinitrobenzene	4270	1000	ug/kg dry	4186	567	88.4	70-130			D
1,5-Dimethyl-2,3-Dinitrobenzene	3660	1000	ug/kg dry	4186	ND	87.5	70-130			D
1,5-Dimethyl-2,4-Dinitrobenzene	5920	1000	ug/kg dry	4186	3200	65.0	70-130			M1, D
2,4,6-Trinitrotoluene	3470	1000	ug/kg dry	4186	616	68.3	70-130			M1, D
2,4-Dinitrotoluene	4730	1000	ug/kg dry	4186	ND	113	70-130			D
2,6-Dinitrotoluene	3830	1000	ug/kg dry	4186	ND	91.4	70-130			D
2-Amino-4,6-dinitrotoluene	2720	1000	ug/kg dry	4186	ND	64.9	70-130			M1, D
2-Nitrotoluene	4170	1000	ug/kg dry	4186	ND	99.7	70-130			D
3,5-Dinitroaniline	2300	1000	ug/kg dry	4186	ND	55.0	70-130			M1, D
3-Nitrotoluene	4040	1000	ug/kg dry	4186	ND	96.5	70-130			D
4-Amino-2,6-dinitrotoluene	2710	1000	ug/kg dry	4186	ND	64.9	70-130			M1, D
4-Nitrotoluene	3960	1000	ug/kg dry	4186	ND	94.5	70-130			D
Nitrobenzene	3980	1000	ug/kg dry	4186	ND	95.1	70-130			D
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>3200</i>		<i>ug/kg dry</i>	<i>4186</i>		<i>76.4</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>4110</i>		<i>ug/kg dry</i>	<i>4186</i>		<i>98.3</i>	<i>60-140</i>			



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306019 - EPA 3570

Matrix Spike Dup (P306019-MSD1)	Source: P132601-21	Prepared: 06/27/2013	Analyzed: 06/27/2013 20:16							
1,2-Dimethyl-3,4-Dinitrobenzene	4210	1000	ug/kg dry	4186	718	83.4	70-130	3.10	200	D
1,2-Dimethyl-3,5-Dinitrobenzene	4560	1000	ug/kg dry	4186	749	91.0	70-130	0.613	200	D
1,2-Dimethyl-3,6-Dinitrobenzene	4130	1000	ug/kg dry	4186	ND	98.6	70-130	4.44	200	D
1,2-Dimethyl-4,5-Dinitrobenzene	3930	1000	ug/kg dry	4186	ND	93.9	70-130	5.04	200	D
1,3,5-Trinitrobenzene	3150	1000	ug/kg dry	4186	ND	75.3	70-130	4.56	200	D
1,3-Dimethyl-2,4-Dinitrobenzene	4960	1000	ug/kg dry	4186	1140	91.3	70-130	3.86	200	D
1,3-Dimethyl-2,5-Dinitrobenzene	4110	1000	ug/kg dry	4186	ND	98.1	70-130	2.78	200	D
1,3-Dinitrobenzene	3500	1000	ug/kg dry	4186	ND	83.7	70-130	4.68	200	D
1,4-Dimethyl-2,3-Dinitrobenzene	4770	1000	ug/kg dry	4186	1110	87.3	70-130	0.661	200	D
1,4-Dimethyl-2,5-Dinitrobenzene	4270	1000	ug/kg dry	4186	308	94.6	70-130	1.18	200	D
1,4-Dimethyl-2,6-Dinitrobenzene	4660	1000	ug/kg dry	4186	567	97.9	70-130	10.2	200	D
1,5-Dimethyl-2,3-Dinitrobenzene	3750	1000	ug/kg dry	4186	ND	89.6	70-130	2.47	200	D
1,5-Dimethyl-2,4-Dinitrobenzene	7960	1000	ug/kg dry	4186	3200	114	70-130	54.5	200	D
2,4,6-Trinitrotoluene	3680	1000	ug/kg dry	4186	616	73.1	70-130	6.86	200	D
2,4-Dinitrotoluene	4900	1000	ug/kg dry	4186	ND	117	70-130	3.64	200	D
2,6-Dinitrotoluene	3750	1000	ug/kg dry	4186	ND	89.6	70-130	1.96	200	D
2-Amino-4,6-dinitrotoluene	2640	1000	ug/kg dry	4186	ND	63.1	70-130	2.77	200	M1, D
2-Nitrotoluene	4380	1000	ug/kg dry	4186	ND	105	70-130	4.90	200	D
3,5-Dinitroaniline	2350	1000	ug/kg dry	4186	ND	56.1	70-130	2.04	200	M1, D
3-Nitrotoluene	4310	1000	ug/kg dry	4186	ND	103	70-130	6.55	200	D
4-Amino-2,6-dinitrotoluene	2690	1000	ug/kg dry	4186	ND	64.3	70-130	0.891	200	M1, D
4-Nitrotoluene	4230	1000	ug/kg dry	4186	ND	101	70-130	6.67	200	D
Nitrobenzene	3560	1000	ug/kg dry	4186	ND	85.0	70-130	11.2	200	D
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>3160</i>		<i>ug/kg dry</i>	<i>4186</i>		<i>75.5</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>3170</i>		<i>ug/kg dry</i>	<i>4186</i>		<i>75.7</i>	<i>60-140</i>			

Batch P306021 - EPA 3570

Blank (P306021-BLK1)	Prepared: 06/27/2013	Analyzed: 06/27/2013 18:35								
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							



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 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306021 - EPA 3570

Blank (P306021-BLK1)

Prepared: 06/27/2013 Analyzed: 06/27/2013 18:35

2,4-Dinitrotoluene	ND	200	ug/kg wet							
2,5-Dinitrotoluene	ND	200	ug/kg wet							
2,6-Dinitrotoluene	ND	200	ug/kg wet							
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg wet							
2-Nitrotoluene	ND	200	ug/kg wet							
3,4-Dinitrotoluene	ND	200	ug/kg wet							
3,5-Dinitroaniline	ND	200	ug/kg wet							
3,5-Dinitrotoluene	ND	200	ug/kg wet							
3-Nitrotoluene	ND	200	ug/kg wet							
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg wet							
4-Nitrotoluene	ND	200	ug/kg wet							
Nitrobenzene	ND	200	ug/kg wet							
1,3,5-Trinitro-2,4-dimethylbenzene	ND	200	ug/kg wet							
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3080		ug/kg wet	4000		77.0	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	3700		ug/kg wet	4000		92.5	60-140			

LCS (P306021-BS1)

Prepared: 06/27/2013 Analyzed: 06/27/2013 19:02

1,2-Dimethyl-3,4-Dinitrobenzene	4010	200	ug/kg wet	4000		100	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	4010	200	ug/kg wet	4000		100	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	3890	200	ug/kg wet	4000		97.2	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	3970	200	ug/kg wet	4000		99.3	70-130			
1,3,5-Trinitrobenzene	4560	200	ug/kg wet	4000		114	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	3950	200	ug/kg wet	4000		98.8	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	4060	200	ug/kg wet	4000		102	70-130			
1,3-Dinitrobenzene	3890	200	ug/kg wet	4000		97.3	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	4240	200	ug/kg wet	4000		106	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	3900	200	ug/kg wet	4000		97.5	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	3900	200	ug/kg wet	4000		97.5	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	3950	200	ug/kg wet	4000		98.7	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	4050	200	ug/kg wet	4000		101	70-130			
2,4,6-Trinitrotoluene	4190	200	ug/kg wet	4000		105	70-130			
2,4-Dinitrotoluene	3950	200	ug/kg wet	4000		98.9	70-130			
2,6-Dinitrotoluene	3980	200	ug/kg wet	4000		99.4	70-130			
2-Amino-4,6-dinitrotoluene	3700	200	ug/kg wet	4000		92.4	70-130			
2-Nitrotoluene	4040	200	ug/kg wet	4000		101	70-130			
3,5-Dinitroaniline	3520	200	ug/kg wet	4000		88.1	70-130			
3-Nitrotoluene	3690	200	ug/kg wet	4000		92.4	70-130			
4-Amino-2,6-dinitrotoluene	3610	200	ug/kg wet	4000		90.3	70-130			
4-Nitrotoluene	3750	200	ug/kg wet	4000		93.7	70-130			
Nitrobenzene	3940	200	ug/kg wet	4000		98.4	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	3670		ug/kg wet	4000		91.9	60-140			
<i>Surrogate: Nitrobenzene-d5</i>	3640		ug/kg wet	4000		91.0	60-140			



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306021 - EPA 3570

Matrix Spike (P306021-MS1)	Source: P132601-43		Prepared: 06/27/2013 Analyzed: 06/27/2013 19:55							
1,2-Dimethyl-3,4-Dinitrobenzene	4210	210	ug/kg dry	4184	362	92.0	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	4530	210	ug/kg dry	4184	327	100	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	4100	210	ug/kg dry	4184	102	95.5	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	3910	210	ug/kg dry	4184	162	89.7	70-130			
1,3,5-Trinitrobenzene	4550	210	ug/kg dry	4184	ND	109	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	4980	210	ug/kg dry	4184	683	103	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	4330	210	ug/kg dry	4184	ND	103	70-130			
1,3-Dinitrobenzene	3810	210	ug/kg dry	4184	ND	91.1	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	5310	210	ug/kg dry	4184	1180	98.7	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	4340	210	ug/kg dry	4184	102	101	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	4720	210	ug/kg dry	4184	441	102	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	3980	210	ug/kg dry	4184	110	92.4	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	9090	210	ug/kg dry	4184	4490	110	70-130			
2,4,6-Trinitrotoluene	4480	210	ug/kg dry	4184	238	101	70-130			
2,4-Dinitrotoluene	4720	210	ug/kg dry	4184	585	98.9	70-130			
2,6-Dinitrotoluene	4200	210	ug/kg dry	4184	210	95.3	70-130			
2-Amino-4,6-dinitrotoluene	3070	210	ug/kg dry	4184	177	69.1	70-130			M
2-Nitrotoluene	4290	210	ug/kg dry	4184	ND	103	70-130			
3,5-Dinitroaniline	2890	210	ug/kg dry	4184	ND	69.1	70-130			M
3-Nitrotoluene	4120	210	ug/kg dry	4184	ND	98.4	70-130			
4-Amino-2,6-dinitrotoluene	3160	210	ug/kg dry	4184	204	70.5	70-130			
4-Nitrotoluene	4070	210	ug/kg dry	4184	ND	97.2	70-130			
Nitrobenzene	4040	210	ug/kg dry	4184	ND	96.6	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>3160</i>		<i>ug/kg dry</i>	<i>4184</i>		<i>75.6</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>3630</i>		<i>ug/kg dry</i>	<i>4184</i>		<i>86.8</i>	<i>60-140</i>			

Matrix Spike Dup (P306021-MSD1)	Source: P132601-43		Prepared: 06/27/2013 Analyzed: 06/27/2013 20:22							
1,2-Dimethyl-3,4-Dinitrobenzene	4240	210	ug/kg dry	4184	362	92.8	70-130	0.856	200	
1,2-Dimethyl-3,5-Dinitrobenzene	4640	210	ug/kg dry	4184	327	103	70-130	2.62	200	
1,2-Dimethyl-3,6-Dinitrobenzene	4170	210	ug/kg dry	4184	102	97.3	70-130	1.81	200	
1,2-Dimethyl-4,5-Dinitrobenzene	4000	210	ug/kg dry	4184	162	91.6	70-130	2.16	200	
1,3,5-Trinitrobenzene	4720	210	ug/kg dry	4184	ND	113	70-130	3.77	200	
1,3-Dimethyl-2,4-Dinitrobenzene	5040	210	ug/kg dry	4184	683	104	70-130	1.43	200	
1,3-Dimethyl-2,5-Dinitrobenzene	4310	210	ug/kg dry	4184	ND	103	70-130	0.567	200	
1,3-Dinitrobenzene	3820	210	ug/kg dry	4184	ND	91.2	70-130	0.168	200	
1,4-Dimethyl-2,3-Dinitrobenzene	5300	210	ug/kg dry	4184	1180	98.3	70-130	0.394	200	
1,4-Dimethyl-2,5-Dinitrobenzene	4330	210	ug/kg dry	4184	102	101	70-130	0.272	200	
1,4-Dimethyl-2,6-Dinitrobenzene	4740	210	ug/kg dry	4184	441	103	70-130	0.478	200	
1,5-Dimethyl-2,3-Dinitrobenzene	3970	210	ug/kg dry	4184	110	92.2	70-130	0.221	200	
1,5-Dimethyl-2,4-Dinitrobenzene	8960	210	ug/kg dry	4184	4490	107	70-130	2.95	200	
2,4,6-Trinitrotoluene	4700	210	ug/kg dry	4184	238	107	70-130	5.09	200	
2,4-Dinitrotoluene	4610	210	ug/kg dry	4184	585	96.2	70-130	2.77	200	
2,6-Dinitrotoluene	4150	210	ug/kg dry	4184	210	94.1	70-130	1.31	200	
2-Amino-4,6-dinitrotoluene	3140	210	ug/kg dry	4184	177	70.8	70-130	2.40	200	



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 Project Manager: Jon Hammerberg

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306021 - EPA 3570

Matrix Spike Dup (P306021-MSD1)	Source: P132601-43		Prepared: 06/27/2013 Analyzed: 06/27/2013 20:22							
2-Nitrotoluene	4220	210	ug/kg dry	4184	ND	101	70-130	1.70	200	
3,5-Dinitroaniline	2920	210	ug/kg dry	4184	ND	69.7	70-130	0.933	200	M
3-Nitrotoluene	4050	210	ug/kg dry	4184	ND	96.7	70-130	1.78	200	
4-Amino-2,6-dinitrotoluene	3180	210	ug/kg dry	4184	204	71.2	70-130	0.872	200	
4-Nitrotoluene	4040	210	ug/kg dry	4184	ND	96.6	70-130	0.693	200	
Nitrobenzene	3970	210	ug/kg dry	4184	ND	94.8	70-130	1.82	200	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>3270</i>		<i>ug/kg dry</i>	<i>4184</i>		<i>78.1</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>3650</i>		<i>ug/kg dry</i>	<i>4184</i>		<i>87.3</i>	<i>60-140</i>			



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

URS Corporation
 4051 Ogletown Road, Ste 300
 Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Classical Chemistry Parameters - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P306003 - % Solids										
Duplicate (P306003-DUP1)	Source: P132501-07		Prepared: 06/23/2013 Analyzed: 06/24/2013 16:58							
% Solids	86.0	0.00	% by Weight		86.2			0.238	20	
Batch P306005 - % Solids										
Duplicate (P306005-DUP1)	Source: P132501-05		Prepared: 06/23/2013 Analyzed: 06/24/2013 17:05							
% Solids	90.0	0.00	% by Weight		90.0			0.0164	20	
Batch P306006 - % Solids										
Duplicate (P306006-DUP1)	Source: P132501-01		Prepared: 06/24/2013 Analyzed: 06/25/2013 15:36							
% Solids	96.0	0.00	% by Weight		96.0			0.0614	20	
Batch P306009 - % Solids										
Duplicate (P306009-DUP1)	Source: P132501-42		Prepared: 06/24/2013 Analyzed: 06/25/2013 15:44							
% Solids	96.9	0.00	% by Weight		96.9			0.0718	20	
Batch P306010 - % Solids										
Duplicate (P306010-DUP1)	Source: P132501-62		Prepared: 06/25/2013 Analyzed: 06/26/2013 16:29							
% Solids	98.0	0.00	% by Weight		98.3			0.290	20	
Batch P306013 - % Solids										
Duplicate (P306013-DUP1)	Source: P132501-72		Prepared: 06/25/2013 Analyzed: 06/26/2013 16:23							
% Solids	96.3	0.00	% by Weight		96.3			0.0118	20	
Batch P306014 - % Solids										
Duplicate (P306014-DUP1)	Source: P132501-93		Prepared: 06/26/2013 Analyzed: 06/27/2013 15:52							
% Solids	97.9	0.00	% by Weight		97.7			0.170	20	



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Classical Chemistry Parameters - Quality Control
ECCS - Lab #15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P306017 - % Solids

Duplicate (P306017-DUP1)		Source: P132601-06		Prepared: 06/26/2013 Analyzed: 06/27/2013 15:59						
% Solids	94.6	0.00	% by Weight		94.6			0.0306	20	

Batch P306018 - % Solids

Duplicate (P306018-DUP1)		Source: P132601-21		Prepared: 06/27/2013 Analyzed: 06/28/2013 09:21						
% Solids	95.4	0.00	% by Weight		95.6			0.148	20	

Batch P306020 - % Solids

Duplicate (P306020-DUP1)		Source: P132601-43		Prepared: 06/27/2013 Analyzed: 06/28/2013 09:27						
% Solids	95.6	0.00	% by Weight		95.6			0.0107	20	



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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

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.
- HC Results may be biased high because of high continuing calibration verification (CCV).
- E1 Estimated value because of quality control sample exceedances.
- DO Diluted out.
- 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



Appendix C
Chain of Custody Documentation

Chain of Custody Record



Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: **Dupont** Project Manager: _____ Date: _____ Chain of Custody Number: **309136**

Address: **72315 St. Hwy 13 South** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____ Page _____ of _____

City: **Ashland** State: **Wc** Zip Code: **54806** Site Contact: _____ Lab Contact: _____

Project Name and Location (State): **Biopilot** Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No. _____ Matrix _____ Containers & Preservatives _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
BAR-S-PHYTO-C12BG03-(0-1)	/													} NOT SAMPLED POSTPONE TO SEPTEMBER
BAR-S-PHYTO-C12BG04-(0-1)														
BAR-S-PHYTO-C12RZ01-(0-1)														
BAR-S-PHYTO-C12RZ02-(0-1)														
BAR-S-PHYTO-C12RZ03-(0-1)														
BAR-S-PHYTO-C12RZ04-(0-1)														
BAR-S-PILOT-C01-(0-1)	6/13/13	0748			X		X							-13
BAR-S-PILOT-C01A2-(0-1)		0750			X		X							-14
BAR-S-PILOT-C01B3-(0-1)		0752			X		X							-15
BAR-S-PILOT-C01B6-(0-1)		0754			X		X							-16
BAR-S-PILOT-C02-(0-1)		0756			X		X							-17
BAR-S-PILOT-C02A3-(0-1)		0758			X		X							-18

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____ QC Requirements (Specify) _____

1. Relinquished By	Date	Time	1. Received By	Date	Time
			<i>Stahl</i>	6/10/13	0700
2. Relinquished By	Date	Time	2. Received By	Date	Time
<i>Stahl</i>	6/24/13	1300	<i>Sean K Barry</i>	6/21/13	1300
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: _____

Chain of Custody Record

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client Dulant		Project Manager		Date	Chain of Custody Number 122716
Address # B 72315 St. Hwy 13 South		Telephone Number (Area Code)/Fax Number		Lab Number	
City Ashland	State WI	Zip Code 54806	Site Contact	Lab Contact	
Project Name and Location (State) Biopilot			Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH			
BAR-S-PILOT-C21A4-(0-1)	6/12/13	1244				Y	X								- 78
BAR-S-PILOT-C21B1-(0-1)	6/12/13	1246				X	X								- 79
BAR-S-PILOT-C21B2-(0-1)	6/12/13	1248				X	X								- 80
BAR-S-PILOT-C21B3-(0-1)	6/12/13	1250				Y	X								- 81
BAR-S-PILOT-C21B4-(0-1)	6/12/13	1252				X	X								- 82

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

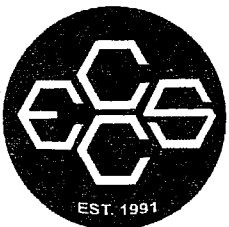
Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
			<i>Stahl</i>	6/10/13	1500
2. Relinquished By	Date	Time	2. Received By	Date	Time
<i>Stahl</i>	6/21/13	1300	<i>Sean K. Barry</i>	6/21/13	1300
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



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

CHAIN OF CUSTODY

Project Number:				Lab Work Order #:				Mail Report To:						
Project Name: DUPONT BARKSDALE				Analyses Requested:				Company:						
Project Location: BARKSDALE, WI.				Preservation Codes:				Address:						
Turn Around (circle one): Normal <u>Rush</u>				Matrix	Total # of Containers	ANNOC					E-mail Address:			
If Rush, Report Due Date:											Invoice To:			
Sampled By (Print): Jon Hammerberg											Company:			
Sample Description		Collection		Matrix	Total # of Containers	ANNOC					p132601	Comments	Lab ID	Lab Receipt Time
		Date	Time											
C23-1A-S		6/25/13	1128	S	1	↓						-31		
C23-2A-S		↓	1136	S	1	↓						-32		
C23-3A-T		↓	1147	S	1	↓						-33		
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)		Relinquished By: <i>[Signature]</i>		Date:	Time:	Received By: <i>[Signature]</i>		Date:	Time:	Received By: <i>[Signature]</i>		Date:	Time:	
Matrix Codes A=Air S=Soil W=Water O=Other		Custody Seal: Present/Absent Intact/Not Intact Seal #'s		Date:	Time:	Received By: <i>[Signature]</i>		Date:	Time:	Received By: <i>[Signature]</i>		Date:	Time:	
		Shipped Via:		Receipt Temp:		Temp Blank		Y N						

Chain of Custody Record

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client E I DUPONT		Project Manager SHARON NORDSTROM		Date 6/24/13	Chain of Custody Number 122720
Address		Telephone Number (Area Code)/Fax Number 302 781 5936		Lab Number	
City NEWARK	State DE	Zip Code	Site Contact J HAMMERBERG	Lab Contact C SAUER	Page 1 of 1

Project Name and Location (State) KARSDALE, W.V.		Carrier/Waybill Number		Analysis (Attach list if more space is needed)		Special Instructions/ Conditions of Receipt P132602 CAS -34
Contract/Purchase Order/Quote No.						

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						X Homogenize per 87306	X NNOC	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
TSI 0613-VAA002	6/24/13	0820				X									
JPH															

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required			QC Requirements (Specify)		
<input type="checkbox"/> 24 Hours	<input checked="" type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____

1. Relinquished By 	Date 6/24/13	Time 1100	1. Received By Sean K Barry	Date 6/24/13	Time 1100
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments _____

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes No



THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client: **DuPont** Project Manager: _____ Date: _____ Chain of Custody Number: **145377**

Address: **72315 St. Hwy 13 South** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____ Page _____ of _____

City: **Ashland** State: **WV** Zip Code: **54806** Site Contact: _____ Lab Contact: _____

Project Name and Location (State): **Birch Pilot** Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No. _____

Matrix: _____ Containers & Preservatives: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2/NaOH			
BAR-S-PILOT-C08B2-(0-1)	6/12/13	1604				X	X								-365 ^{SB}
BAR-S-PILOT-C08B3-(0-1)		1606				X	X								-376
BAR-S-PILOT-C08B4-(0-1)		1608				X	X								-387
BAR-S-PILOT-C10A1-(0-1)	6/13/13	0902				X	X								-398
BAR-S-PILOT-C10A2-(0-1)		0904				X	X								-40-39
BAR-S-PILOT-C10A3-(0-1)		0906				X	X								-41-40
BAR-S-PILOT-C10A4-(0-1)		0908				X	X								-42-41
BAR-S-PILOT-C10A1-(0-1)		0910				X	X								-43-42
BAR-S-PILOT-C10B2-(0-1)		0912				X	X								-44-43
BAR-S-PILOT-C10B3-(0-1)		0914				X	X								-45-44
BAR-S-PILOT-C10B4-(0-1)		0916				X	X								-46-45
BAR-S-PILOT-C11A1-(0-1)		0918				X	X								-47-46

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

QC Requirements (Specify): _____

1. Relinquished By	Date	Time	1. Received By	Date	Time
			<i>Stahl</i>	6/10/13	1700
2. Relinquished By	Date	Time	2. Received By	Date	Time
<i>Stahl</i>	6/21/13	0730	<i>Sean K Barry</i>	6/21/13	1300
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: _____

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

18 October 2013

Jon Hammerberg
URS Corporation
4051 Ogletown Road, Ste 300
Newark, DE 19713
RE: DuPont Barksdale Explosives Plant - Barksdale, WI

Enclosed are the analytical results for the samples received by the laboratory on 09/19/2013.

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 For Mike Linskens
Quality Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2014
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2014
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2014
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2014
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2014



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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BP0913-C20-A1	A133816-01	Soil	09/17/2013	09/19/2013
BP0913-C20-A2	A133816-02	Soil	09/17/2013	09/19/2013
BP0913-C20-A3	A133816-03	Soil	09/17/2013	09/19/2013
BP0913-C20-A4	A133816-04	Soil	09/17/2013	09/19/2013
BP0913-C20-B1	A133816-05	Soil	09/17/2013	09/19/2013
BP0913-C20-B2	A133816-06	Soil	09/17/2013	09/19/2013
BP0913-C20-B3	A133816-07	Soil	09/17/2013	09/19/2013
BP0913-C20-B4	A133816-08	Soil	09/17/2013	09/19/2013



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

BP0913-C20-A1
A133816-01 (Soil)

Date Sampled
09/17/2013 10:53

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,3-Dinitrobenzene	320	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
2,4,6-Trinitrotoluene	890000	20000	ug/kg dry	100	10/01/2013	10/02/2013 16:58	EPA 8270D	D
2,4-Dinitrotoluene	15000	1000	ug/kg dry	5	10/01/2013	10/02/2013 16:32	EPA 8270D	D
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
2,6-Dinitrotoluene	230	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
2-Amino-4,6-dinitrotoluene	6800	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
4-Amino-2,6-dinitrotoluene	7600	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	9800	200	ug/kg dry	1	10/01/2013	10/01/2013 23:48	EPA 8270D	

Surrogate: 2,2'-Dinitrobiphenyl

121 % 60-140

10/01/2013

10/01/2013 23:48

EPA 8270D

Surrogate: Nitrobenzene-d5

96.6 % 60-140

10/01/2013

10/01/2013 23:48

EPA 8270D

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.1	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

BP0913-C20-A2

Date Sampled

A133816-02 (Soil)

09/17/2013 10:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
2,4,6-Trinitrotoluene	370	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
2,4-Dinitrotoluene	34000	2000	ug/kg dry	10	10/01/2013	10/03/2013 12:31	EPA 8270D	D
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
2,6-Dinitrotoluene	220	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	710	200	ug/kg dry	1	10/01/2013	10/02/2013 01:07	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		107 %		60-140	10/01/2013	10/02/2013 01:07	EPA 8270D	
Surrogate: Nitrobenzene-d5		94.6 %		60-140	10/01/2013	10/02/2013 01:07	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.2	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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2525 Advance Road
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URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

BP0913-C20-A3

Date Sampled

A133816-03 (Soil)

09/17/2013 10:48

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
2,4,6-Trinitrotoluene	280	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
2,4-Dinitrotoluene	100000	4100	ug/kg dry	20	10/01/2013	10/02/2013 19:37	EPA 8270D	D
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
2,6-Dinitrotoluene	240	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
3,5-Dinitrotoluene	7800	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	980	200	ug/kg dry	1	10/01/2013	10/02/2013 01:34	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		110 %	60-140		10/01/2013	10/02/2013 01:34	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %	60-140		10/01/2013	10/02/2013 01:34	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.6	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

BP0913-C20-A4

Date Sampled

A133816-04 (Soil)

09/17/2013 10:47

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
2,4,6-Trinitrotoluene	1400	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
2,4-Dinitrotoluene	520	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	760	200	ug/kg dry	1	10/01/2013	10/02/2013 02:00	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		114 %		60-140	10/01/2013	10/02/2013 02:00	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %		60-140	10/01/2013	10/02/2013 02:00	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.7	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

BP0913-C20-B1
A133816-05 (Soil)

Date Sampled
09/17/2013 10:52

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
2,4,6-Trinitrotoluene	2000	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
2,4-Dinitrotoluene	1600	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
2-Amino-4,6-dinitrotoluene	200	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
4-Amino-2,6-dinitrotoluene	320	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	390	200	ug/kg dry	1	10/01/2013	10/02/2013 02:26	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		111 %	60-140		10/01/2013	10/02/2013 02:26	EPA 8270D	
Surrogate: Nitrobenzene-d5		101 %	60-140		10/01/2013	10/02/2013 02:26	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.2	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Reported:
 10/18/2013

BP0913-C20-B2

Date Sampled

A133816-06 (Soil)

09/17/2013 10:51

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,3,5-Trinitrobenzene	220	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
2,4,6-Trinitrotoluene	62000	4100	ug/kg dry	20	10/01/2013	10/02/2013 20:03	EPA 8270D	D
2,4-Dinitrotoluene	39000	4100	ug/kg dry	20	10/01/2013	10/02/2013 20:03	EPA 8270D	D
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
2,6-Dinitrotoluene	220	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
2-Amino-4,6-dinitrotoluene	1200	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
4-Amino-2,6-dinitrotoluene	1700	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	3000	200	ug/kg dry	1	10/01/2013	10/02/2013 02:52	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		116 %		60-140	10/01/2013	10/02/2013 02:52	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.3 %		60-140	10/01/2013	10/02/2013 02:52	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.7	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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 4051 Ogletown Road, Ste 300
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Reported:
 10/18/2013

BP0913-C20-B3
A133816-07 (Soil)

Date Sampled
 09/17/2013 10:49

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
2,4,6-Trinitrotoluene	13000	1000	ug/kg dry	5	10/01/2013	10/02/2013 21:48	EPA 8270D	D
2,4-Dinitrotoluene	1700	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
2-Amino-4,6-dinitrotoluene	440	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
4-Amino-2,6-dinitrotoluene	580	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1000	200	ug/kg dry	1	10/01/2013	10/02/2013 04:38	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		108 %	60-140		10/01/2013	10/02/2013 04:38	EPA 8270D	
Surrogate: Nitrobenzene-d5		91.3 %	60-140		10/01/2013	10/02/2013 04:38	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.7	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

BP0913-C20-B4

Date Sampled

A133816-08 (Soil)

09/17/2013 10:46

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Explosive Compounds by EPA Method 8270

Preparation Batch: A310005

1,2-Dimethyl-3,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,2-Dimethyl-3,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,2-Dimethyl-3,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,2-Dimethyl-4,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,3,5-Trinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,3-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,3-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,4-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,4-Dimethyl-2,5-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,4-Dimethyl-2,6-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,5-Dimethyl-2,3-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,5-Dimethyl-2,4-Dinitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
2,3-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
2,4,6-Trinitrotoluene	270	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
2,4-Dinitrotoluene	2600	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
2,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
2,6-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
2-Amino-4,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
2-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
3,4-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
3,5-Dinitroaniline	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
3,5-Dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
3-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
4-Amino-2,6-dinitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
4-Nitrotoluene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
Nitrobenzene	ND	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
1,3,5-Trinitro-2,4-dimethylbenzene	1400	200	ug/kg dry	1	10/01/2013	10/02/2013 05:04	EPA 8270D	
Surrogate: 2,2'-Dinitrobiphenyl		103 %		60-140	10/01/2013	10/02/2013 05:04	EPA 8270D	
Surrogate: Nitrobenzene-d5		99.4 %		60-140	10/01/2013	10/02/2013 05:04	EPA 8270D	

Classical Chemistry Parameters

Preparation Batch: A310004

% Solids	98.5	0.00	% by Weight	1	10/01/2013	10/02/2013 14:00	SM 2540B	
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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A310005 - EPA 3550B

Blank (A310005-BLK1)

Prepared: 10/01/2013 Analyzed: 10/01/2013 22:55

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

Surrogate: 2,2'-Dinitrobiphenyl	1210		ug/kg wet	2000		60.4	60-140			
Surrogate: Nitrobenzene-d5	1830		ug/kg wet	2000		91.7	60-140			

LCS (A310005-BS1)

Prepared: 10/01/2013 Analyzed: 10/01/2013 23:22

1,2-Dimethyl-3,4-Dinitrobenzene	1900	200	ug/kg wet	2000		94.9	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	1940	200	ug/kg wet	2000		97.1	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	1890	200	ug/kg wet	2000		94.7	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	1940	200	ug/kg wet	2000		96.8	70-130			
1,3,5-Trinitrobenzene	1890	200	ug/kg wet	2000		94.5	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	1930	200	ug/kg wet	2000		96.6	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	2020	200	ug/kg wet	2000		101	70-130			
1,3-Dinitrobenzene	1830	200	ug/kg wet	2000		91.6	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	1960	200	ug/kg wet	2000		97.9	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	1990	200	ug/kg wet	2000		99.3	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	1890	200	ug/kg wet	2000		94.5	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	1900	200	ug/kg wet	2000		95.0	70-130			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
 Project Number: LBIO-66526 Amendment 11
 Project Manager: Jon Hammerberg

Reported:
 10/18/2013

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A310005 - EPA 3550B

LCS (A310005-BS1)

Prepared: 10/01/2013 Analyzed: 10/01/2013 23:22

1,5-Dimethyl-2,4-Dinitrobenzene	2050	200	ug/kg wet	2000		103	70-130			
2,3-Dinitrotoluene	1960	200	ug/kg wet	2000		98.0	70-130			
2,4,6-Trinitrotoluene	1990	200	ug/kg wet	2000		99.3	70-130			
2,4-Dinitrotoluene	1990	200	ug/kg wet	2000		99.5	70-130			
2,5-Dinitrotoluene	1900	200	ug/kg wet	2000		95.1	70-130			
2,6-Dinitrotoluene	1970	200	ug/kg wet	2000		98.3	70-130			
2-Amino-4,6-dinitrotoluene	1830	200	ug/kg wet	2000		91.5	70-130			
2-Nitrotoluene	1860	200	ug/kg wet	2000		92.9	70-130			
3,4-Dinitrotoluene	1880	200	ug/kg wet	2000		94.2	70-130			
3,5-Dinitroaniline	1840	200	ug/kg wet	2000		92.1	70-130			
3,5-Dinitrotoluene	1930	200	ug/kg wet	2000		96.6	70-130			
3-Nitrotoluene	1850	200	ug/kg wet	2000		92.4	70-130			
4-Amino-2,6-dinitrotoluene	1910	200	ug/kg wet	2000		95.6	70-130			
4-Nitrotoluene	2070	200	ug/kg wet	2000		103	70-130			
Nitrobenzene	1880	200	ug/kg wet	2000		93.8	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>1880</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>93.9</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1880</i>		<i>ug/kg wet</i>	<i>2000</i>		<i>94.2</i>	<i>60-140</i>			

Matrix Spike (A310005-MS1)

Source: A133816-01

Prepared: 10/01/2013 Analyzed: 10/02/2013 00:14

1,2-Dimethyl-3,4-Dinitrobenzene	2040	200	ug/kg dry	2038	97.2	95.2	70-130			
1,2-Dimethyl-3,5-Dinitrobenzene	2160	200	ug/kg dry	2038	90.9	102	70-130			
1,2-Dimethyl-3,6-Dinitrobenzene	2010	200	ug/kg dry	2038	ND	98.8	70-130			
1,2-Dimethyl-4,5-Dinitrobenzene	2390	200	ug/kg dry	2038	ND	117	70-130			
1,3,5-Trinitrobenzene	2060	200	ug/kg dry	2038	ND	101	70-130			
1,3-Dimethyl-2,4-Dinitrobenzene	2170	200	ug/kg dry	2038	ND	106	70-130			
1,3-Dimethyl-2,5-Dinitrobenzene	2210	200	ug/kg dry	2038	ND	108	70-130			
1,3-Dinitrobenzene	2750	200	ug/kg dry	2038	317	119	70-130			
1,4-Dimethyl-2,3-Dinitrobenzene	2100	200	ug/kg dry	2038	90.1	98.6	70-130			
1,4-Dimethyl-2,5-Dinitrobenzene	2200	200	ug/kg dry	2038	ND	108	70-130			
1,4-Dimethyl-2,6-Dinitrobenzene	2210	200	ug/kg dry	2038	92.1	104	70-130			
1,5-Dimethyl-2,3-Dinitrobenzene	2030	200	ug/kg dry	2038	ND	99.4	70-130			
1,5-Dimethyl-2,4-Dinitrobenzene	2340	200	ug/kg dry	2038	138	108	70-130			
2,3-Dinitrotoluene	2050	200	ug/kg dry	2038	ND	101	70-130			
2,4,6-Trinitrotoluene	602000	20000	ug/kg dry	2038	895000	NR	70-130			M1, D
2,4-Dinitrotoluene	11300	1000	ug/kg dry	2038	14900	NR	70-130			M1, D
2,5-Dinitrotoluene	2260	200	ug/kg dry	2038	ND	111	70-130			
2,6-Dinitrotoluene	2460	200	ug/kg dry	2038	233	109	70-130			
2-Amino-4,6-dinitrotoluene	9170	200	ug/kg dry	2038	6840	114	70-130			
2-Nitrotoluene	2070	200	ug/kg dry	2038	51.0	99.0	70-130			
3,4-Dinitrotoluene	2040	200	ug/kg dry	2038	ND	100	70-130			
3,5-Dinitroaniline	2380	200	ug/kg dry	2038	ND	117	70-130			
3,5-Dinitrotoluene	2170	200	ug/kg dry	2038	107	101	70-130			
3-Nitrotoluene	2000	200	ug/kg dry	2038	ND	98.2	70-130			
4-Amino-2,6-dinitrotoluene	9380	200	ug/kg dry	2038	7570	88.9	70-130			



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Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

Explosive Compounds by EPA Method 8270 - Quality Control
ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A310005 - EPA 3550B

Matrix Spike (A310005-MS1)		Source: A133816-01		Prepared: 10/01/2013 Analyzed: 10/02/2013 00:14						
4-Nitrotoluene	2290	200	ug/kg dry	2038	ND	112	70-130			
Nitrobenzene	1980	200	ug/kg dry	2038	ND	97.1	70-130			
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2470</i>		<i>ug/kg dry</i>	<i>2038</i>		<i>121</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2030</i>		<i>ug/kg dry</i>	<i>2038</i>		<i>99.8</i>	<i>60-140</i>			

Matrix Spike Dup (A310005-MSD1)		Source: A133816-01		Prepared: 10/01/2013 Analyzed: 10/02/2013 00:41						
1,2-Dimethyl-3,4-Dinitrobenzene	2110	200	ug/kg dry	2038	97.2	98.9	70-130	3.89	200	
1,2-Dimethyl-3,5-Dinitrobenzene	2220	200	ug/kg dry	2038	90.9	104	70-130	2.73	200	
1,2-Dimethyl-3,6-Dinitrobenzene	1900	200	ug/kg dry	2038	ND	93.1	70-130	6.01	200	
1,2-Dimethyl-4,5-Dinitrobenzene	2430	200	ug/kg dry	2038	ND	119	70-130	1.40	200	
1,3,5-Trinitrobenzene	2150	200	ug/kg dry	2038	ND	105	70-130	3.99	200	
1,3-Dimethyl-2,4-Dinitrobenzene	2080	200	ug/kg dry	2038	ND	102	70-130	4.19	200	
1,3-Dimethyl-2,5-Dinitrobenzene	2130	200	ug/kg dry	2038	ND	105	70-130	3.33	200	
1,3-Dinitrobenzene	2760	200	ug/kg dry	2038	317	120	70-130	0.308	200	
1,4-Dimethyl-2,3-Dinitrobenzene	1910	200	ug/kg dry	2038	90.1	89.3	70-130	9.98	200	
1,4-Dimethyl-2,5-Dinitrobenzene	2060	200	ug/kg dry	2038	ND	101	70-130	6.65	200	
1,4-Dimethyl-2,6-Dinitrobenzene	2070	200	ug/kg dry	2038	92.1	97.1	70-130	6.83	200	
1,5-Dimethyl-2,3-Dinitrobenzene	2110	200	ug/kg dry	2038	ND	103	70-130	3.99	200	
1,5-Dimethyl-2,4-Dinitrobenzene	2260	200	ug/kg dry	2038	138	104	70-130	3.54	200	
2,3-Dinitrotoluene	1980	200	ug/kg dry	2038	ND	96.9	70-130	3.66	200	
2,4,6-Trinitrotoluene	554000	20000	ug/kg dry	2038	895000	NR	70-130	NR	200	M1, D
2,4-Dinitrotoluene	11300	1000	ug/kg dry	2038	14900	NR	70-130	NR	200	M1, D
2,5-Dinitrotoluene	2140	200	ug/kg dry	2038	ND	105	70-130	5.33	200	
2,6-Dinitrotoluene	2340	200	ug/kg dry	2038	233	103	70-130	5.57	200	
2-Amino-4,6-dinitrotoluene	9030	200	ug/kg dry	2038	6840	108	70-130	6.02	200	
2-Nitrotoluene	2000	200	ug/kg dry	2038	51.0	95.7	70-130	3.37	200	
3,4-Dinitrotoluene	1940	200	ug/kg dry	2038	ND	95.3	70-130	4.84	200	
3,5-Dinitroaniline	2460	200	ug/kg dry	2038	ND	121	70-130	3.27	200	
3,5-Dinitrotoluene	2160	200	ug/kg dry	2038	107	101	70-130	0.310	200	
3-Nitrotoluene	2030	200	ug/kg dry	2038	ND	99.5	70-130	1.40	200	
4-Amino-2,6-dinitrotoluene	9770	200	ug/kg dry	2038	7570	108	70-130	19.3	200	
4-Nitrotoluene	2280	200	ug/kg dry	2038	ND	112	70-130	0.579	200	
Nitrobenzene	1920	200	ug/kg dry	2038	ND	94.1	70-130	3.12	200	
<i>Surrogate: 2,2'-Dinitrobiphenyl</i>	<i>2560</i>		<i>ug/kg dry</i>	<i>2038</i>		<i>126</i>	<i>60-140</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1840</i>		<i>ug/kg dry</i>	<i>2038</i>		<i>90.2</i>	<i>60-140</i>			



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

URS Corporation
4051 Ogletown Road, Ste 300
Newark DE, 19713

Project: DuPont Barksdale Explosives Plant - Barksdale, WI
Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A310004 - % Solids

Duplicate (A310004-DUP1)	Source: A133816-01	Prepared: 10/01/2013	Analyzed: 10/02/2013 14:00		
% Solids	98.2	0.00 % by Weight	98.1	0.0344	20



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Project Number: LBIO-66526 Amendment 11
Project Manager: Jon Hammerberg

Reported:
10/18/2013

Notes and Definitions

- M1 Spike recoveries were not evaluated because of elevated levels of the spiked analyte in the parent sample.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit
- 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

Chain of Custody Record

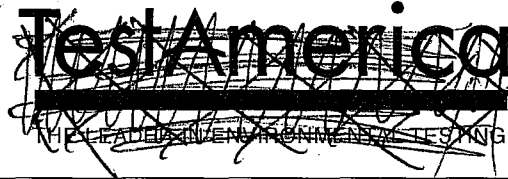
TAL-4124-280 (0508)

A133816

Sampler ID Nick Shorby

Temperature on Receipt _____

Drinking Water? Yes No



Client <u>DuPont</u>		Project Manager <u>Sharon Nordstrom</u>			Date <u>9/17/2013</u>	Chain of Custody Number <u>126178</u>
Address <u>72315 HWY 13</u>		Telephone Number (Area Code)/Fax Number <u>(302) 781-5936</u>			Lab Number	
City <u>Barksdale</u>	State <u>WI</u>	Zip Code <u>54806</u>	Site Contact <u>J. Hammerberg</u>	Lab Contact <u>M. LANSKENS</u>	Page <u>1</u> of <u>1</u>	

Project Name and Location (State) <u>Barksdale (WI)</u>		Carrier/Waybill Number <u>8022 7844 6180</u>		Analysis (Attach list if more space is needed)				Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No.		Matrix		Containers & Preservatives				

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives								Special Instructions/ Conditions of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	None	DMF					
(N) BAR-S-PILOT-C20-A1	<u>9/17/13</u>	<u>1053</u>				X	X											<u>01</u>	<u>HOLD 1</u>
(N) BAR-S-PILOT-C20-A2		<u>1050</u>				X	X											<u>02</u>	<u>(of 2) jars</u>
(N) BAR-S-PILOT-C20-A3		<u>1048</u>				X	X											<u>03</u>	<u>for possible</u>
(N) BAR-S-PILOT-C20-A4		<u>1047</u>				X	X											<u>04</u>	<u>later analysis.</u>
(N) BAR-S-PILOT-C20-B1		<u>1052</u>				X	X											<u>05</u>	
(M) BAR-S-PILOT-C20-B2		<u>1051</u>				X	X											<u>06</u>	<u>16 bottles total</u>
(N) BAR-S-PILOT-C20-B3		<u>1049</u>				X	X											<u>07</u>	
(N) BAR-S-PILOT-C20-B4		<u>1046</u>				X	X											<u>08</u>	

BPO913

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
---	--	---

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other <u>Normal</u>	QC Requirements (Specify)
--	---------------------------

1. Relinquished By	Date	Time	1. Received By <u>New from box Nick Shorby</u>	Date	Time
2. Relinquished By <u>Nick Shorby</u>	<u>9/18/13</u>	<u>0900</u>	2. Received By <u>Jessica E...</u>	<u>9-19-13</u>	<u>1300</u>
3. Relinquished By	Date	Time	3. Received By <u>POC at 0.6°C</u>	Date	Time
			<u>S/N 130231423 Exp. 04/18/15</u>		

Comments: all names begin with 'BPO913' - (C20 - ##) / Hold 1 jar from each location (2 each) for later sampling.