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November 2, 2001

U.S. Army Engineer District, Nashville
ATTN: CELRN-EC-R-M (Mrs. Linda Ingram)
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Submittal of the Final Report of Findings (Volume I). Baseline Human Health Risk Assessment (Volume II), and the Ecological Risk Assessment (Volume III) for TNT Areas A and C, Plum Brook Ordnance Works, Sandusky, Ohio; Contract No. DACA62-00-D-0002; IT P/N 807112 and 807111

Dear Mrs. Ingram:

In accordance with the requirements of Delivery Orders 0004 and 0003 of Contract Number DACA62-00-D-0002, IT Corporation is pleased to submit the final Report of Findings (Volume I), Baseline Human Health Risk Assessment (Volume II), and the Ecological Risk Assessment (Volume III) for the Remedial Investigations and Feasibility Studies – TNT Area A and TNT Area C at the former Plum Brook Ordnance Works (PBOW) in Sandusky, Ohio. These report volumes have been revised in response to technical review comments on the draft documents previously submitted.

Enclosed are six (6) copies of the Volumes I, II, and III. In accordance with your previous direction, copies of these documents have also been forwarded to the recipients shown on the distribution list, quantities as indicated. Should you have any questions or require additional information regarding this submittal, please do not hesitate to call the undersigned at (860) 688-1151, extension 229.

Sincerely,

Mikael L. Spangberg
Project Manager

Enclosure

RESPONSE TO COMMENTS
U.S. ARMY CORPS OF ENGINEERS
TNT AREAS A & C REMEDIAL INVESTIGATION,
VOLUME I - REPORT OF FINDINGS
FORMER PLUM BROOK ORDNANCE WORKS
SANDUSKY, OHIO
(Draft dated April 2001)

Response to OEPA (Ron Nabors) comments (dated July 18, 2001) on TNT Areas A & C Remedial Investigation, Volume 1 - Report of Findings.

Comment 1: **General Comment - Ohio EPA, DERR, finds no discrepancies in the information as presented. Future work in these areas will be dependent upon the findings in the risk assessments.**

Response 1: Noted.

Comment 2: **Although not stated in Section 2.2.6, page 2-7, Ohio EPA assumes that piezometer installation and ground water sample collection were completed per protocols contained in the IT Corporation (IT Corp) sampling and analysis plan (SAP) dated July 7, 2000.**

Response 2: Yes. All temporary piezometers installed and groundwater samples collected followed the protocols as listed in the July 7, 2000 SAP.

Comment 3: **Section 2.0 of Parts II and III please provide discussion which characterizes piezometer installation; this discussion should have included piezometer construction logs, installation depths and techniques, and etc. . . .**

Response 3: Information of the 20 temporary piezometers installed (10 within TNT Area A and 10 within TNT Area C) has been included in Section 2.0 of Parts 2 and 3, with the associated building. Piezometer construction diagrams are included in Appendix B with the HTRW borelogs of Parts 2 and 3.

Comment 4: **Section 2.0 of Part 2, TNT Area A - IT Corp should provide a discussion of the temporary piezometers installed at the following buildings, in the following sections, as was done in Section 2.1.1 for the piezometer installed at Building 182. The discussion should include the piezometer designation (GW0..) and installation depth.**

Building 185 in Section 2.1.2; Building 192 in Section 2.1.3; Building 111 in Section 2.3.1; Building 112 in Section 2.3.2; Building 116 in Section 2.3.4.2.3; Building 119 in Section 2.3.5.2.3; Building 126 in Section 2.4.4.2.3; Building 131 in Section 2.5.1.2.2; and Building 146 in Section 2.6.4.2.3.

Response 4: A discussion has been included within the appropriate Section.

Comment 5: **Section 2.0 of Part 3, TNT Area C - IT Corp should provide a discussion of the temporary piezometers installed at the following buildings, in the following sections, as was done in Section 2.1.1 for the piezometer installed at Building 182. The discussion should include the piezometer designation (GW0..) and installation depth.**

Building 681 in Section 2.2.1.2.2; Building 682 in Section 2.2.2; per Table 2-3 and Figure 2-2, temporary piezometer GW02 was installed at Building 682. Building 683 in Section 2.2.3.2.2; Building 692 in Section 2.3.2.2.3; Building 693 in Section 2.3.3; per Table 2-3 and Figure 2-2, temporary piezometer GW07 was installed at Building 693; Building 602 in Section 2.4.2.2.3; Building 603 in Section 2.4.3.2.2; Building 611 in Section 2.5.1.2.2; Building 616 in Section 2.5.4.2.2; and Building 629 in Section 2.6.6.2.2.

Response 5: See response to comment number 4.

Comment 6: **General Comment - Although not stated in Volume I, Parts I, II, or III of the submittal, please have IT Corp include language explaining that, shallow and bedrock, ground water at TNT Area A will be evaluated as part of the site-wide ground water investigation at PBOW.**

Response 6: Information will be included in Volume I, Part I, of Section 2.2.6.

Volume 1- Part 1 - Report of Findings

TNT Areas A and C Remedial Investigation
Former Plum Brook Ordnance Works
Sandusky, Ohio

Prepared for:

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List of Acronyms

ASTM	American Society for Testing and Materials
bgs	below ground surface
BTEX	benzene, toluene, ethyl benzene, and xylene
CRQL	contract-required quantitation limit
D&D	decontamination and decommissioning
D&M	Dames and Moore, Inc.
DERP	Defense Environmental Restoration Program
DNT	dinitrotoluene
DOD	U.S. Department of Defense
EPA	U.S. Environmental Protection Agency
ft/ft	foot per foot
FUDS	Formerly Used Defense Site
FS	feasibility study
GC/MS	gas chromatography/mass spectrometry
gpm	gallons per minute
GRC	John Glenn Research Center
GSA	General Services Administration
HPLC	high-performance liquid chromatography
HTRW	hazardous toxic and radiologic waste
ICI	International Consultants Incorporated
IDW	investigation-derived waste
IT	IT Corporation
μg/L	micrograms per liter
mg/kg	milligrams per kilogram
MK	Morrison-Knudsen Ferguson Corporation
NASA	National Aeronautics and Space Administration
OD	outside diameter
PBOW	Plum Brook Ordnance Works
PID	photoionization detector

List of Acronyms *(Continued)*

PBS	Plum Brook Station
PCB	polychlorinated biphenyl
PRG	Preliminary Remediation Goals
QA/QC	quality assurance/quality control
ROF	Report of Findings
RI	remedial investigation
SAP	sampling and analysis plan
SCS	Soil Conservation Service
SOW	statement of work
SVOC	semivolatile organic compounds
TAL	target analyte list
TNB	trinitrobenzene
TNT	trinitrotoluene
TNTA	TNT Area A
TNTB	TNT Area B
TNTC	TNT Area C
USACE	U.S. Army Corps of Engineers
VOC	volatile organic compound

Executive Summary

Site Description. The Former Plum Brook Ordnance Works (PBOW) was built in early 1941 as a manufacturing plant for 2,4,6-trinitrotoluene (TNT), dinitrotoluene (DNT), and pentolite. Production of explosives at PBOW began on December 16, 1941 and continued until 1945. It is estimated that more than 1 billion pounds of nitroaromatic explosives were manufactured during the 4-year operating period. The three explosive manufacturing areas were designated TNT AREA A (TNTA), TNT Area B (TNTB), and TNT Area C (TNTC). Twelve process lines were used in the manufacture of TNT: four lines at TNTA, three lines at TNTB, and five lines at TNTC.

Historical Activities. After plant operations ceased in 1945, decontamination of TNT, acid, pentolite, and DNT processing lines began. The lines were decontaminated during the last quarter of 1945. During decontamination, all structures, equipment and manufacturing debris were removed and burned. The property was initially transferred to the Ordnance Department, the to the War Assets Administration after it was certified by the U.S. Army to be decontaminated. In 1949, PBOW was transferred to the General Services Administration.

In the summer of 1955, a significant effort was made to decontaminate the surface and subsurface soil at the TNT Areas. Decontamination was performed first at TNTA. At TNTA the decontamination process included the removal of contaminated surface and subsurface soil around the Wash Houses, Bi-Tri Houses, Fortifier Buildings, the DNT Sweating and Graining Building, the DNT Nitration Building, and Nail Houses. Wooden and ceramic waste disposal sewers were removed that contained from 1.0 to 2.5 inches of TNT. In addition, thousands of pounds of TNT were discovered overlain by wood and scrap lumber in TNTA concrete catch basins. This lumber and TNT were removed and transported to the Burning Grounds, where they were burned. Decontamination of TNTB and TNTC was supposed to be modified to address only surface contamination detected by visual inspection, leaving underground flumes in place. It is unknown whether this modification in the procedure took place as part of the 1955 decontamination of TNTB and TNTC.

The National Aeronautics and Space Administration acquired PBOW on March 15, 1963 and currently utilizes the site. The General Services Administration decontaminated the TNT Manufacturing Areas to facilitate transfer. The decontamination is believed to have occurred in 1963 and included removing contaminated surface soil above the drain tiles, flumes, etc., destruction of all buildings by fire, and removal of all soil, debris, sumps, and concrete foundations. All the materials, including the soil in those areas, was flashed; the area was then rough graded. The decontamination process also included the burning of nitroaromatic-filled flumes that were excavated. As shown in the 1997 Dames and Moore records review, this was performed on July 10, 1963 near the intersection of Fox Road and Snake Road.

Current Investigation. Nitroaromatic screening analysis involved the collection of surface and subsurface samples for analysis. The screening analysis used consisted of modification of the standard Method 8330 analysis to provide rapid turnaround times for analysis with a reduction in cost. This rapid turnaround time in analysis allowed for an iterative selection of additional sampling locations necessary to delineate the extent of nitroaromatic contamination. The criteria for delineation was to establish the points and depths at which all nitroaromatics were detected at concentrations below the U.S. Environmental Protection Agency Region 9 Preliminary Remediation Goals (PRG).

To supplement the screening analysis, 79 confirmation soil samples and 18 groundwater samples were collected for standard laboratory analysis. Locations for confirmation soil sample collection were based on the screening results and are used to support risk assessments. To further investigate possible contaminant migration, surface water and sediment samples were collected both on-site and off-site. These samples were analyzed for nitroaromatic compounds, volatile organic compounds (VOC), semivolatile organic compounds (SVOC), target analyte list metals, and polychlorinted biphenyls (PCB).

Findings of the current remedial investigation are summarized by TNT process line in the following sections.

DNT Process Buildings (TNTA). Of the four DNT process buildings investigated at TNTA, all the buildings showed elevated concentrations of nitroaromatics in surface and/or subsurface soils. For Building 182 (DNT Sweating and Graining House), low levels of nitroaromatics were detected in the surface soil, with concentrations exceeding PRGs in subsurface soil. Similarly, Building 185 (DNT Nitration Building) had the highest concentrations of nitroaromatics in subsurface soils. In addition, groundwater at Building 185 exhibited nitroaromatics and

manganese at concentrations above PRGs. Building 192 (DNT Sweating and Graining House) had nitroaromatics detected in all samples collected. DNT, iron and manganese also exceeded PRGs in site groundwater. Only limited impact was observed to site soils at Building 195 (DNT Nitrating Building). Although concentrations of nitroaromatics exceeded PRGs at this site, the extent of contamination appears to be limited.

Wastewater Settling Tank (TNTA). Low concentrations of nitroaromatics were detected at this location; however, all detection's were below PRGs. Based on this finding, it is interpreted that environmental impact to this site is minimal.

Process Line 5 Buildings (TNTA). Five buildings (Buildings 111, 112, 113, 116, and 119) were investigated. In Building 111 (Mono House), soil and groundwater have been impacted near the location of the former drowning tank by nitroaromatics at levels exceeding the PRGs. Similarly, Building 112 samples associated with the former drowning tank showed elevated concentrations of nitroaromatics in surface and subsurface soil and groundwater. Screening data from Building 113 (Fortifier House) indicates minimal impact at this site. Buildings 116 (Wash House) and 119 (Acid and Fume Recovery) showed elevated concentrations of nitroaromatics in both surface and subsurface soils. In addition, groundwater at Building 119 has also been impacted by nitroaromatics.

Process Line 2 Buildings (TNTA). Three buildings at Process Line 2 (Buildings 121, 122, and 123) were likely removed during construction of the NASA Administration Building. The NASA Administration Building was constructed over the location of Building 121 (Mono House) and soil samples could not be collected. In addition, it is likely that the foundations of Buildings 122 (Bi-Tri House) and 123 (Fortifier House) were removed during construction. Soil sampling at Buildings 122 and 123 indicate that fill is present over most of the site. Samples from these two buildings did not show elevated levels of nitroaromatics. Building 126 (Wash House) showed elevated concentrations of nitroaromatics in surface and subsurface soil as well as groundwater. Contamination at this building extends at least 10 feet below ground surface. The Nail House (Building 128) associated with this process line showed limited contamination, with all concentrations detected below PRGs. Only limited contamination was detected at Building 129 (Acid and Fume Recovery Building). Two surface soil samples exceeded PRGs. Based on these results, environmental impact to areas near Buildings 128 and 129 is minimal.

Process Line 3 Buildings (TNTA). Building 132 (Bi-Tri House) and Building 136 (Wash House) did not exhibit nitroaromatics above PRGs; therefore, impact to these two sites appears minimal. In addition, only one sample at Building 139 (Acid and Fume Recovery) exceeded PRGs, suggesting minimal impact to site soils. At Building 131 (Mono House), only low levels of contamination were observed in surface soils, with higher concentrations of nitroaromatics present in the subsurface and groundwater. Nitroaromatics were present at elevated concentrations only in surface soils at Building 133 (Fortifier House).

Process Line 4 Buildings (TNTA). With the exception of Building 146 (Wash House), impacts to areas around Process Line 4 buildings appears to be limited. At Buildings 141, 142, 143, 148, and 149, only limited numbers of surface soil samples exceed PRGs. The only building to show significant contamination was Building 146 (Wash House), which had elevated levels of nitroaromatics and lead detected in surface and subsurface soil. In addition, groundwater has been impacted by nitroaromatics, arsenic, iron, lead and manganese.

Lindsey Ditch Surface Water and Sediment (TNTA). Analytical results indicate that nitroaromatics, VOCs, SVOCs, and metals are present in surface water. The amino-DNT isomers were detected in two surface water samples at concentrations up to 2.34 μg/L. Only three VOCs (acetone, carbon disulfide, and methylene chloride) were detected, all at concentrations below 13.3 μg/L. Two of these compounds, acetone and methylene chloride, could be laboratory contamination introduced during extraction and sample analysis.

Analytical results for sediment indicate that nitroaromatics, VOCs, SVOCs, PCBs, and metals are present in sediment. As with surface water, these compounds were detected at low concentrations. In addition, the detection of acetone and methylene chloride could be laboratory contaminants introduced during analysis. Ten SVOCs were detected in sediment. As with TNTA soils, most of these are PAHs which result from incomplete combustion of fossil fuels. It is most likely that the source of PAHs in both TNTB soils and Lindsey sediments is atmospheric deposition and/or road runoff and not sediment transport from a source at TNTA.

Plum Brook Surface Water and Sediment (Off Site). Analytical results indicate that VOCs, SVOCs, and metals are present in surface water. Only two VOCs (acetone and methylene chloride) were detected at concentrations below 13.3 μg/L. These compounds are attributable be laboratory contamination introduced during extraction and sample analysis.

Analytical results for sediment indicate that nitroaromatics, VOCs, SVOCs, PCBs, and metals are present in sediment. As with surface water, these compounds were detected at low concentrations. The only nitroaromatic detected was nitrobenzene at concentrations below 0.06 mg/kg. VOCs detected were acetone, carbon disulfide and methylene chloride at low concentrations. Again, the detection of acetone and methylene chloride could be laboratory contaminants introduced during analysis. Seventeen SVOCs were detected in sediment. As with TNTA soils, most of these are PAHs which result from incomplete combustion of fossil fuels. It is most likely that the source of PAHs in both TNTA soils and Lindsey sediments is atmospheric deposition and/or road runoff and not sediment transport from a source at or downgradient of TNTA. PCBs were also detected at concentrations below 0.12 mg/kg.

Wastewater Settling Tank (TNTC). Only one sample marginally exceeded the PRGs at this site. In addition, confirmation sampling indicated only low concentrations of PAHs and lead, likely the result of atmospheric deposition or road runoff. Based on these results, impact to soils appears to be minimal.

Process Line 8 Buildings (TNTC). At Building 681 (Mono House), Building 682 (Bi-Tri House), and Building 683 (Fortifier House), similar patterns in surface and subsurface contamination were observed. Contamination was associated with areas around the former drowning tanks at these buildings. In addition, groundwater also shows elevated concentrations of nitroaromatics at Buildings 681 and 683. Building 686 (Wash House) has also been impacted by nitroaromatics in areas adjacent to the catch basin. Only limited detection's of nitroaromatics in surface and subsurface samples were detected at Building 689 (Acid and Fume Recovery Building) at one location.

Process Line 9 Buildings (TNTC). Four buildings at this site (Buildings 691, 693, 698, and 699) showed only low concentrations of nitroaromatics, indicating minimal impact to site soils. Elevated concentrations of nitroaromatics were detected at Buildings 692 (Bi-Tri House) and Building 696 (Wash House) at concentrations above 1,000 mg/kg. At Building 692, contamination extends to approximately 6 feet bags and also has impacted groundwater. Groundwater only slightly exceeded PRGs at Building 692. Contamination is limited to the surface soils at Building 696.

Process Line 10 Buildings (TNTC). At Building 601 (Mono House), Building 609 (Acid and Fume Recovery Building), and Building 606 (Wash House), only low levels of nitroaromatics were detected in soils, suggesting minimal impact to these sites. At Buildings 602

(Bi-Tri House) and 603 (Fortifier House), limited surface soil contamination was observed. However, both sites showed elevated detection's of nitroaromatics adjacent to the former drowning tanks. Groundwater at both buildings has been impacted.

Process Line 11 Buildings (TNTC). Only two buildings in Process Line 11 showed evidence of significant contamination. At Building 611 (Mono House), only DNT slightly exceeded the PRG in subsurface soil. However, groundwater showed TNT, DNT, and the amino-DNT isomers at concentrations exceeding PRGs. Significantly higher concentrations of nitroaromatics were observed in surface soils at the Wash House (Building 616). As with the groundwater at Building 611, TNT, DNT, and the amino-DNT isomers exceeded PRGs. Analytical data for the remaining buildings at this site showed minimal impact.

Process Line 12 Buildings (TNTC). With the exception of Building 629 (Acid and Fume Recovery Building), there has been minimal impact associated with this production line. At Building 629, nitroaromatics were detected at elevated concentrations in subsurface soils. A groundwater sample could not be collected from this site due to insufficient yield.

Pipe Creek Tributaries Surface Water and Sediment. Analytical results indicate that nitroaromatics, VOCs, SVOCs, and inorganic are present in TNTC site surface water. Nitroaromatics were detected in two samples at concentrations up to 10.4 μg/L. The only VOCs detected were acetone, carbon disulfide, and methylene chloride. The only semivolatile detected was di-n-butyl phthalate.

As with the surface water, nitroaromatics, VOCs, SVOCs, and inorganics are present in associated sediment samples as well. With the exception of one sample that contained nitroaromatics at concentrations up to approximately 1500 mg/kg, most detections were less than 1 mg/kg. Numerous VOCs were detected at low concentrations, three of which (acetone, 2-butanone and methylene chloride) are likely laboratory contaminants and are not site related. PAHs were also reported at low concentrations in the sediment.

1.0 Introduction

The U.S. Army is conducting studies of the environmental impact of suspected hazardous waste sites at properties previously owned by the U.S. Department of Defense (DOD). The U.S. Army Corps of Engineers (USACE) is pursuing this work under the Defense Environmental Restoration Program (DERP) for Formerly Used Defense Site (FUDS). The former Plum Brook Ordnance Works (PBOW) located in Sandusky, Erie County, Ohio, is a DERP FUDS project managed and technically overseen by the Nashville and Huntington Districts of USACE. Figure 1-1 shows the geographic location of the former PBOW site.

IT Corporation (IT) performed a remedial investigation (RI) of surface soil, subsurface soil and groundwater at TNT Area A (TNTA) and TNT Area C (TNTC) at PBOW beginning the last week of June through mid-October 2000 under Delivery Orders 0003 and 0009 of Contract Number DACA62-00-D-0002, respectively. This report represents the first volume of a four-volume Report of Findings (ROF); remaining volumes will be issued separately.

This document, Volume 1, Report of Findings, describes all points and findings of the risk assessment of TNTA and TNTC. This document has been divided into three parts:

- Part 1, Introduction – Site Background, Investigation Methods and Analytical Procedures
- Part 2, TNTA – Report of Findings
- Part 3, TNTC – Report of Findings.

Volumes 2 through 4, to be issued at a later date, will include the following:

- Volume 2, Human Health Risk Assessment. IT will prepare a document describing all points and findings of the human health risk assessment of TNTA and TNTC.
- Volume 3, Ecological Risk Assessment. IT will prepare a document that describes all points and findings of the ecological risk assessment of TNTA and TNTC.
- Volume 4, Feasibility Study. This document volume will describe all points and findings of the focused feasibility study (FS) of TNTA and TNTC.

1.1 Scope of Work and Project Objectives

As specified in separate scopes of work (SOW) (USACE, 2000), the RI included preparation of site-specific addenda to the site-wide sampling and analysis plan (SAP), and safety and health plan; completion of various field investigation activities, including installation of soil borings and collection of soil samples from selected locations for chemical analysis; evaluation of analytical results; report preparation; and a geographic information system deliverable.

Based upon information from previous investigations, the purpose of this RI was to collect supplemental information to determine the presence or absence of contamination and to define the vertical and lateral extent of contamination in soils at both TNTA and TNTC. Specifically, the objectives of the RI were to:

- Define site physical features and characteristics
- Determine the nature and extent of contamination source areas
- Determine whether contaminant distribution is consistent with DOD activities
- Collect data for use in baseline human health and ecological risk assessments of TNTA and TNTC.

Activities completed during the field investigation included surface and subsurface soil sampling for a nitroaromatic screening analysis with a confirmation analysis for selected soil samples; groundwater, sediment, and surface water sampling; a land survey; and investigation-derived waste (IDW) management. Surface and subsurface soils were analyzed for explosives by the high-performance liquid chromatography (HPLC) screening method at a fixed-based laboratory. For confirmation of the HPLC screening results and to support risk assessments, approximately 10 percent of the screening soil samples were sent to the laboratory for analysis. All groundwater, sediment, and surface water samples were analyzed at the fixed-base laboratory.

1.2 Summary of Site Conditions

The 9,009-acre PBOW site was built in early 1941 as a manufacturing plant for 2,4,6-trinitrotoluene (TNT), dinitrotoluene (DNT), and pentolite (International Consultants Incorporated [ICI]). The site of the former PBOW is located approximately four miles south of Sandusky, Ohio, and 59 miles west of Cleveland (Figure 1-1). Although primarily in Perkins and Oxford Townships, the eastern edge of the site extends into Huron and Milan Townships.

PBOW is bounded on the north by Bogart Road, on the south by Mason Road, on the west by County Road 43, and on the east by U.S. Highway 250. The area surrounding PBOW is mostly agricultural and residential (IT, 1999).

The former PBOW site is currently owned by the National Aeronautics and Space Administration (NASA) and is operated as the Plum Brook Station (PBS). Most of the aerospace testing facilities built in the 1960s at the site are now in standby or inactive status. On April 18, 1978, NASA declared approximately 2,152 acres of PBOW as excess. The Perkins Township Board of Education acquired 46 acres of the excess and uses this area as a bus transportation center. General Services Administration (GSA) retains the remaining acreage and currently has a use agreement with the Ohio National Guard for 604 acres of the land. NASA presently controls approximately 6,400 acres and is using the site to conduct space research as a satellite operation of the John Glenn Research Center (GRC) at Lewis Field in Cleveland, Ohio. The details of these land transactions are listed in the Site Management Plan (ICI, 1995) and can be found at the NASA PBS.

TNT Area A is located in the northeastern part of PBOW and occupies approximately 114 acres of land, with Columbus Avenue bisecting the site as shown in Figure 1-2. NASA constructed its administration building on the east side of Columbus Avenue in the central portion of TNTA. The NASA Administration Building and associated parking areas cover the site of one of the former TNT process buildings (Building 121, Mono House) at TNTA.

TNTC is located in the southwestern portion of PBOW and occupies approximately 119 acres of land, as shown in Figure 1-2. Presently, the area is largely overgrown with trees and brush; however, some of the roads, building foundations, and remnants of utilities from former TNT operations are still recognizable.

Significant remediation activities have been performed at the TNT Areas A and C since 1941. The United States Army began decontamination and decommissioning (D&D) all TNT and DNT lines in September 1945. Typical D&D methods involved removing and relocating any explosive waste in a building or structure to a burning ground for open burning. Buildings and structures were demolished and burned where possible. Steam lines and drain lines were flushed and dismantled, but no record was found indicating the wash-out location. By December 1945, it

was estimated that 65 percent of the necessary decontamination was complete (Morrison-Knudsen Ferguson Corporation [MK], 1994).

From January 1 to June 30, 1946, USACE assumed responsibility for maintenance and custodial activities. Further decontamination activities were conducted, and the extent of contamination was certified (MK, 1994).

From 1954 through 1958, the USACE through Ravenna Arsenal performed additional decontamination efforts. Decontamination progress, as reported in a letter from Sanders to Commanding Officer at Ravenna Arsenal, indicated that the surface and subsurface at the TNT areas were significantly contaminated due to the TNT manufacturing process. Significant subsurface contamination was removed, including underground flumes and sewer lines. The letter states that the decontamination efforts at TNTA were very thorough. Approximately 16,000 pounds of TNT was removed from Area A. The decontamination procedures performed at TNTA were to be conducted also at TNTC, but no documentation was found to indicate that the decontamination was performed (Dames & Moore [D&M], 1997a).

1.3 Physical Setting

1.3.1 PBOW Physical Setting

1.3.1.1 Physiography, Topography, and Drainage

PBOW is located within the Eastern Lake Region of the Central Lowland Province (Soil Conservation Service [SCS], 1971). Erie County is overlain by lake, glacial outwash, and glacial till sediment. The surface is a plain with a slight slope to the north-northeast toward Lake Erie at approximately 25 feet per mile. Surface features were formed primarily by glacial scouring and deposition.

The elevation of PBOW ranges from 680 feet above mean sea level at the south-central portion of the installation to 625 feet at the northern side of the site. In general, the topography of PBOW is characterized by a flat ground surface with occasional low hummocks. PBOW lies in the eastern region of the Pickeral Creek-Pipe Creek Basin, which is part of the St. Lawrence River drainage basin. Eleven streams exist within the site and flow north-northeast toward Lake Erie, located 3.5 miles north of the site. The eleven streams are part of four drainage areas: (1)

Sawmill Creek (southern PBOW); (2) Plum Brook (central PBOW); (3) Pipe Creek (western PBOW); and (4) Storrs-Hemminger Ditch, all of which flow into Sandusky Bay. The drainage pattern is dendritic where streams are incised into bedrock and poorly developed where they have not yet downcut to the bedrock (D&M, 1997a).

1.3.1.2 Geology and Soils

Bedrock in northern Ohio consists of Devonian and Silurian age carbonates (limestone and dolomite) and clastics (shale, siltstone, and sandstone). These units unconformably overlie older sedimentary sequences of Ordovician and Cambrian age rocks that, in turn, unconformably overlie Pre-Cambrian basement rocks. The local bedrock is situated on the eastern flanks of the Findlay Arch. Beds in the vicinity of PBOW dip to the southeast at an angle of approximately 10 to 30 feet per mile (D&M, 1997a).

At PBOW, the lowermost bedrock unit is the Delaware Limestone. This unit is a hard, dense, finely crystalline, limestone and dolomite. The appearance is often described as buff-colored and fossiliferous. Hydrogen sulfide and benzene, toluene, ethylbenzene, and toluene (BTEX) compounds may naturally occur in the Delaware. Overlying the Delaware Limestone is the Olentangy Shale, which is made up of two members, a lower unit called the Plum Brook Shale and an upper unit called the Prout Limestone. The Plum Brook Shale is a 35-foot-thick unit of bluish gray, soft, fossiliferous shale containing thin layers of dark, hard, fossiliferous limestone. The Prout Limestone is a 15-foot-thick unit with dark gray to blue, very hard, siliceous, fossiliferous limestone or dolomitic mudstone. Overlying the Olentangy Shale is the Ohio Shale, which is made up of one member in the vicinity of PBOW, the Huron Shale. The Huron Shale has been described as black and thinly bedded. Occasional large pyrite/carbonate concretions are also present in the Huron Shale, with some as large as six feet in diameter (IT, 1999).

Overburden at PBOW is interpreted to be derived predominantly from Pleistocene glacial lacustrine deposits. The overburden ranges from 1 foot at the south-central portion of the site to greater than 25 feet at the northern side of the site. Four soil associations are present across PBOW. These four associations are Kibbie-Elnor-Tuscola-Colwood, Castalia-Millsdale-Milton-Ritchey, Hornell-Fries-Colwood, and Pewamo-Bennington (IT, 1999).

1.3.1.3 Hydrogeology

Regional groundwater flow is to the north-northeast towards Lake Erie, although local flow may vary due to local topography. The largest producing wells are in the limestone, where water comes from joints and bedding planes or from solutionally enlarged openings. Limestones in the central portion of Erie County provide well yields of up to 500 gallons per minute (gpm) (D& M, 1997a). Wells installed in the shales or glacial overburden yield substantially less groundwater, with production often less than 10 gpm (IT, 2000a).

1.4 Summary of Nitroaromatic Manufacturing Process

Production of explosives at PBOW began on December 16, 1941, and continued until 1945. It is estimated that more than 1 billion pounds of nitroaromatic explosives were manufactured during the 4-year operating period. The three explosives manufacturing areas were designated TNTA, TNT Area B (TNTB), and TNTC. Twelve process lines were used in the manufacture of TNT: four lines at TNTA, three lines at TNTB, and five lines at TNTC (D&M, 1997a).

1.4.1 TNT Nitration Process

A three-step nitration process was used during the manufacture of 2,4,6-TNT. The process fluids were all transported through above-grade lines. The nitration process was performed by mixing oleum (a solution of sulfur trioxide in sulfuric acid) with nitric acid, then heating it. The complete process was performed independently along process lines designated at each of the facilities. Each nitration step was progressively more difficult, and stronger acid solutions were required for each. The first nitration occurred in the Mono-Houses, with a result of three nitrotoluene isomers (2-nitrotoluene, 3-nitrotoluene, and 4-nitrotoluene) and a layer of waste acid. The nitrotoluene was transferred to the Bi-Tri Houses in which the second and third nitrations occurred. The second nitration produced six DNT isomers, of which 2,4-DNT, 2,6-DNT, and 3,4-DNT were the most abundant. The third nitration produced a liquid of 95 percent 2,4,6-TNT (which was the desired product) and approximately 5 percent "impurities" (D&M, 1997a).

In each of the nitration steps, not all of the isomers were converted to the desired isomer (e.g., most nitrotoluenes were converted to DNT in nitration step two, and most DNT was converted to TNT in step three). Unconverted isomers were termed "impurities" and were carried through until the final washing step. This final washing step was performed at the Wash Houses. The washing was performed by adding soda ash to the TNT solution (which neutralized the acid),

crystallizing the TNT solution with cold water, then adding sodium sulfite (sellite) to the crystalline 2,4,6-TNT. The sellite bound the impurities, which were then removed in a water wash. The wastewater from this wash (called red water) was piped to a holding tank located at each line. The remaining, pure 2,4,6-TNT was melted, dried, then solidified to a flake form. The flaked 2,4,6-TNT was transported along open conveyor belts to a Nail House for packing (IT, 2000a).

1.4.2 Acid Process Stream

Acid used in the 2,4,6-TNT production flowed opposite to the nitration stream. More concentrated, fresh nitric acid (with additional oleum) was provided to the third nitration, spent acid from the third nitration (fortified with additional nitric acid) was used for the second nitration, and spent acid (fortified with additional nitric acid) from the second nitration was used for the first nitration. Acid and acid fume recovery occurred at the Acid and Fume Recovery buildings, whereas acid fortification took place at the Fortifier buildings (D&M, 1997a).

1.4.3 DNT Process Stream

An additional aspect of the process was that DNT was also produced at DNT Nitrating facilities in TNTA and TNTB. The layout of the process lines and historical information about the manufacturing process appear to indicate that DNT from the Nitrating Building was piped to the Sweating and Graining Building for purification. Based on engineering drawings, the DNT was then used in the Mono Houses and Bi-Tri Houses for TNT production (IT, 2000a).

1.4.4 Wastewater Stream

Process wastewater was transported from the TNT lines through a series of buried wooden and ceramic pipes to a common wastewater disposal facility called the Wastewater Disposal Settling Tanks. During this process, underground pipes occasionally became plugged with TNT. When this occurred, the clogged line was replaced with a new line laid in close proximity. Exact locations of new lines were not recorded; plugged lines were abandoned in place (D&M, 1997a). Wastewater from the Wastewater Disposal Settling Tanks was transported to the Raw Wastewater Storage Tank located at Wastewater Disposal Plant No. 1. From the raw wastewater tank, it was then transported approximately 1,000 feet through an elevated 12-inch diameter discharge pipe to the Pentolite Road Red Water Ponds (originally called the Waste Disposal Area No. 1) (D&M, 1997b).

2.0 Field Investigation

2.1 Investigation Summary

Field activities were conducted by IT and subcontractors during the last week of June through mid-October 2000. Mr. Richard Kunath, the former environmental coordinator of NASA PBS, acted as the project contact, provided logistical support, and approved extended work hours during the course of the project. All direct-push sampling locations were cleared by Mr. Don Young, NASA PBS Maintenance Department, and verified by Mr. Gary Ponikvar, NASA PBS Safety Department.

Four hundred twenty-seven soil samples were collected for field screening analysis of nitroaromatics from TNTA, and 383 soil samples were collected from TNTC. The purpose of the chemical screening of soil samples for the TNTA and TNTC areas was to determine the presence or absence of contamination and to delineate the horizontal and vertical extent of contamination. Nitroaromatic explosives screening analysis was performed by GPL laboratory in Gaithersburg, Maryland, by the HPLC screening method. The HPLC screening method is based on the definitive U.S. Environmental Protection Agency (EPA) SW-846 Method 8330 for nitroaromatics. The HPLC screening allowed a lower detection limit and detection of multiple compounds that provided a more complete delineation of nitroaromatic contamination. The major difference between the screening analysis and the EPA Method 8330 analysis is that shorter extraction times are used for the samples and there is no second column confirmation. This results in a more cost-effective analytical program with rapid turnaround time for analytical results; however, there also is a greater likelihood of false positive results.

The criteria for delineation was to establish the points and depths at which all constituents analyzed were detected at concentrations below the preliminary remediation goals (PRG). However, because PRGs were not available for all nitroaromatic constituents (specifically, 2A-4,6-DNT and 4A-2,6-DNT), some PRGs were developed. Based upon algorithms and exposure assumptions for 2A-4,6-DNT and 4A-2,6-DNT, a PRG of 3.3 milligrams per kilogram (mg/kg) in residential soil and 2.2 micrograms per liter (μg/L) in tap water was derived (Appendix A).

To supplement the screening analysis, 39 confirmation soil samples were collected from TNTA and 40 were collected from TNTC and shipped to GPL laboratory for analysis. Locations for

confirmation soil sample collection were based on HPLC screening results. Confirmation samples were selected to support the screening results and risk assessments. It should be noted, however, that while the confirmation samples were collected as close as possible to the locations of the screening samples, there are not considered true duplicate samples. Therefore, due to soil heterogeneity and the interpreted spacial variability in the distribution of nitroaromatics in the soil, some variation is expected in the analytical results. However, both the field screening data quality and the confirmation data quality are considered appropriate for their intended use (i.e., nature and extent of contamination and risk assessments, respectively). Specific analyses requested were volatile organic compounds (VOC) by EPA Method 8260A, semivolatile organic compounds (SVOC) by EPA Methods 3540C/8270C, polychlorinated biphenyls (PCB) by EPA Methods 3540B/8082, target analyte list (TAL) metals by EPA Methods 3050B/6010B/7471A, and nitroaromatic explosives by EPA Method 8330.

To further investigate possible contaminant migration, a total of 20 surface water samples (10 at TNTA [9 on site, 1 off site] and 10 at TNTC) and 30 sediment samples (15 at TNTA [10 on site, 5 off site] and 15 at TNTC) were collected. Both surface water and sediment samples were analyzed by GPL laboratory for nitroaromatic compounds using EPA Method 8330 (modified), VOCs using EPA Method 8260B, SVOCs using EPA Method 8270C, TAL metals (total) using EPA Methods 6010B/7470A, and PCBs using EPA Methods 3540B/8082.

2.2 Investigative Procedures

2.2.1 Utility Clearing

All sampling locations (surface and subsurface) were cleared by Mr. Don Young, PBS Maintenance Department. Locations of underground utilities were identified by Mr. Gary Ponikvar, PBS Health and Safety Division. Underground utilities in TNTA included a 7,200-volt electrical line, one U.S. Coast Guard telecommunications line, active water lines, inactive water mains, and inactive utility lines. Excavation and subsurface sampling could not be conducted at some former TNTA building locations directly impacted by TNT manufacturing due to the potential to encounter underground utilities. These were Building 122 (Bi-Tri House), Building 123 (Fortifier House), and the central portion of Building 139 (Acid & Fume Recovery). No active underground utilities prevented investigation activities from being performed in the TNTC area. It should also be noted that the site of former Building 121 (Mono House) is located under the NASA Engineering Building.

2.2.2 Sampling Rationale

Soil sample locations were selected to provide adequate coverage of areas with the potential to be contaminated, based on past site usage and previous analytical results at the site (D&M, 1997a), and to cover suspected source areas identified during investigations at TNTB and other similar TNT production facilities (West Virginia Ordnance Works and Volunteer Army Ammunition Plant). After collection of the initial round of samples, data were reviewed, and additional sampling points installed as needed to delineate contamination.

Following the same rationale for soil sampling as was used in the TNTB area, (TNT contamination was found within close proximity to the former building foundation), surveyors began identifying the buried building corners, using current survey coordinates obtained from a merged aerial photo and historical map. Two former building foundations in TNTC (Wastewater Settling Basin, Building 657, and Acid & Fume Recovery, Building 689) were still present, which allowed verification of the accuracy of the survey coordinates. It was discovered from the survey results that a known corner of the Wastewater Settling Basin was approximately 45 feet off from the survey coordinates. The foundation corners of Buildings 601, 609, 691, 699, and 681 were surveyed. At Building 689, survey coordinates identified the building corner to be a distance of approximately 17 feet different than the visible building corner. Using survey coordinates to find building foundations in TNTA yielded similar results to TNTC. Unlike the TNTB area, vegetation changes could not be discerned that would indicate the locations of the former buildings. It was determined that excavation of soil was needed in order to find the former TNT building foundations to begin soil sampling.

Removal of soil above former building foundations at TNTA and TNTC took place from July 12 to July 20, 2000. Former building foundations and, therefore, initial sampling points were identified for the majority of the buildings. In TNTA, no backhoe excavation was possible at the Wash House in Line 3 (Building 136) because of its location in a continually wet swampy area. Excavation at other former TNTA building locations, as noted in Section 2.2.1 (Utility Clearance), was also not conducted in order to avoid known underground utilities.

2.2.3 Soil Sampling

Soil sampling procedures as documented in the July 2000 TNTA & C work plan (IT, 2000b) were used for collection of nitroaromatic screening and confirmation soil samples with one

exception. This exception to the sampling procedure was needed because at the majority of TNTA and TNTC sites, it was discovered that fill soil covered most of the former building foundation. The origin of the soil is unknown but is suspected to be an on-site source of sand. It is believed that, following demolition of the wood-framed buildings, the sand was used to cover the building foundations to reduce demolition costs. Some of the fill material may also have been the result of the demolition of sand/soil filled blast barricades at some of the building locations (i.e., Bi-Tri Houses, Fortifier Houses, and Wash Houses).

A revision to the sampling protocol (IT, 2000b) specified the following deviations from the work plan:

- If fill material above the former ground surface was less than 0.5 foot (ft) in thickness, a surface soil sample (0 to 1 ft below ground surface [bgs]) was to be collected
- For fill material greater than 0.5 ft in thickness, screening samples were collected from the interval immediately below the fill
- For subsurface samples exceeding Region 9 PRGs, a surface soil sample was also collected
- At approximately 10 percent of the building locations, samples at depths greater than 1 ft but with nitroaromatic concentrations nondetect, a surface soil sample was also collected. This meant that at least one 0 to 1 ft bgs surface soil sample was collected at each former building location.

2.2.4 Surface Soil Sampling

As approved by the work plan (IT, 2000b) soil samples were collected with either a decontaminated stainless-steel trowel, a decontaminated push probe, a decontaminated stainless-steel drive sampler, or by direct-push methodology. At TNTA, a total of 409 surface soil samples were collected (387 screening samples and 22 confirmation samples). At TNTC, a total of 357 surface soil samples were collected (332 screening samples and 25 confirmation samples).

2.2.4.1 Surface Screening Sample Collection

Surface soil screening samples in TNTA and TNTC were collected near each former building foundation and in other areas likely to have nitroaromatic contamination (low lying areas, drainage ditches, and locations similarly found at TNTB). Surface soil sampling was performed

by collecting five individual samples from the top 1 ft of the interpreted native soil within a 1-square ft area. If the former ground surface (usually indicated by the building foundation) was found to be covered by sand fill, the fill material was removed with a decontaminated post hole digger until native soil was encountered. In addition, concrete and/or gravel used in the building were frequently encountered at the transition between the sand fill material and the original ground surface. Soil samples were then collected using a decontaminated stainless-steel trowel or a decontaminated push probe sampler to a depth of approximately 1 ft into the native soil. If the former building foundation was not covered with sand fill, visible surface debris such as rocks, twigs, grass, roots, leaves, and construction debris were removed before collection of the soil sample. The 5 aliquots of soil were placed into a zip-lock plastic baggie, homogenized, and transferred to a labeled sample jar. The jar was placed on ice, and a sample collection log completed. The sample was transported to the site office, packed on ice in a cooler, and shipped to the off-site laboratory for nitroaromatic analysis. The stainless-steel push probe was decontaminated and the borehole was backfilled with any remaining borehole cuttings.

2.2.4.2 Surface Confirmation Sample Collection

After the fill/soil above the native soil had been removed, confirmation sample collection was also conducted within the top 1 ft of the native soil (at the same depth as the associated screening soil sample was collected). Confirmation soil samples were collected by two methods, one for VOCs analysis and a second for the nitroaromatics, SVOCs, metals, and PCBs analysis. The soil collected for VOC analysis was sampled using three EnCore® samplers and collected from undisturbed soil. The VOC soil sample (within the EnCore sampler) received an individual label with the sample number and was sealed in an outer foil ziplock bag that was provided by the manufacturer. A completed sample label was attached to the outside of the bag for shipment to the laboratory. All bagged samples were placed in a cooler on ice and chilled to 4 degrees Celsius upon collection then prepared for same-day laboratory shipment. Because of the small aliquots collected in the Encore sampler, there was the potential for insufficient sample volume if dilution should be required. At the request of the laboratory, an additional quantity of soil for VOC analysis was also collected using a stainless steel, acetate sleeve-lined drive sampler. The drive sampler was hammered to depth, the sleeve removed, sealed with Teflon® tape, capped, labeled and placed in a sample collection cooler. These samples were submitted to the laboratory along with the EnCore samples to ensure sufficient soil volumes were available for analysis. Because only low levels of VOCs were detected in the EnCore samples, these samples were not used by the laboratory.

The soil analyzed for the remaining analytes was sampled with a decontaminated push probe, stainless-steel hand auger or trowel at the same depth as the VOC sample was collected. The 4 to 6 aliquots of soil collected for the remaining analytes were emptied into a decontaminated stainless-steel bowl, homogenized, and transferred to the appropriate sample jars. Sample jars were then stored on ice, a sample collection log completed, and the sample was transported to the appropriate laboratory for analysis.

2.2.5 Subsurface Soil Sampling

The direct-push soil sampling technique was used to collect subsurface soil used for screening and confirmation analysis. It consisted of a hydraulic drive unit, stainless-steel sampling point, and sampling rods. The hydraulic drive unit was positioned at the selected boring location. A hydraulically powered percussion hammer drove a 2-inch outside diameter (OD) sampling core to the required depth. When the probe reached the desired depth, the sampling point was retracted, the soil sampler driven forward, and an 18-inch acetate liner filled.

After the sampling probe with liner was removed from the borehole, the liner was extruded from the sampling tube, and the soil was used for the desired purpose. In TNTA, direct-push drilling and sampling procedures were used for collection of a total of 57 subsurface soil samples (40 screening and 17 confirmation). Likewise, in TNTC, a total of 66 subsurface soil samples were collected (51 screening samples and 15 confirmation samples).

After the required screening and confirmation soil samples were collected, any soil remaining from direct-push activities was replaced back into the borehole. The remaining space in the borehole was filled to the surface with bentonite pellets. No tremie pipe was used.

2.2.5.1 Subsurface Screening Sample Collection

At each screening subsurface sample location, after the drive point was driven to the appropriate depth and the liner removed, the soil was placed into a 1-gallon plastic baggie and homogenized. An appropriate volume of soil from the plastic bag was then transferred to a 4-ounce glass jar for nitroaromatic analysis. The jar was placed on ice, a sample collection log completed, and the sample was transported to the appropriate laboratory for nitroaromatic analysis.

2.2.5.2 Subsurface Confirmation Sample Collection

After the sampling probe with liner was removed from the borehole, the liner was extruded from the sampling tube and the soil was prepared for analysis by two methods; one for VOCs analysis

and the other for nitroaromatics, SVOCs, metals, and PCBs. The undisturbed soil in the liner was sampled for VOC analysis using three EnCore samplers. The VOC soil sample (within the EnCore sampler) received an individual label with the sample number and was sealed in an outer foil ziplock bag provided by the manufacturer. A completed sample label was attached to the outside of the bag for shipment to the laboratory. All bagged samples were placed in a cooler on ice and chilled to 4 degrees Celsius upon collection, then prepared for same-day laboratory shipment. At the request of the laboratory, an additional quantity of soil for VOC analysis was also collected. A 6-inch portion of the acetate soil liner was cut, the ends sealed by Teflon™ tape, capped, labeled and placed in a sample collection cooler.

The soil analyzed for the remaining analytes was emptied into a decontaminated stainless-steel bowl, homogenized, then transferred to the appropriate sample jars. A hazardous toxic and radiologic waste (HTRW) drilling log and sample collection log were constructed. On the HTRW drill log, the field geologist recorded a lithologic description of the soil and other information including drilling methods, total depth, photoionization detector (PID) measurement, and a sample location sketch. The sample was labeled with the identification number and depth collected, and stored on ice for transport to the appropriate laboratory. The sample location was then staked and flagged for later land survey.

After the required soil samples were collected, any soil remaining from direct-push activities was replaced back into the borehole. The remaining space in the borehole was filled to the surface with bentonite pellets. No tremie pipe was used.

2.2.6 Shallow Groundwater Sampling

Following piezometer well installation and groundwater sampling protocols (IT, 2000b), eighteen shallow groundwater samples were collected from both TNTA (9) and TNTC (9) in the borings created during subsurface soil sampling. Due to low groundwater yield at both TNT areas, temporary piezometers were installed in 18 of the 20 sampling points to collect groundwater. A piezometer was not used to collect groundwater from one location in TNTA (Building 185) and one location in TNTC (Building 611), because groundwater was able to be collected using hydropunch sampling. Two piezometers (one in TNTA and one in TNTC) were determined to be dry.

Before a groundwater sample was collected, the static water level was measured and recorded on the sample collection log. Each location was staked and the location surveyed for horizontal and

vertical data. Each groundwater sample was collected using a peristaltic pump and PTFE tubing. Water quality measurements for temperature, pH, dissolved oxygen, redox, turbidity, and conductivity were recorded after collection of the laboratory samples. If sample volume was not great enough to allow collection of all of the required sample bottles, water quality readings were not measured.

Additional assessment activities of shallow and bedrock groundwater will be conducted as part of the site-wide groundwater investigation.

2.2.7 Surface Water Sampling

A total of 20 surface water samples were collected at TNTA and TNTC locations determined during a site walkover by the on-site USACE representative and IT field personnel. The work plan listed 10 surface water samples to be collected from the TNTA area and 15 from TNTC; but, because of the lack of precipitation, only 8 were able to be collected from TNTA and 10 from TNTC. One surface water sample of possible red water was collected from a backhoe-dug trench at Building 146 in TNTA. The other surface water samples in TNTA were collected from tributaries to and in Lindsey Ditch. The surface water samples from TNTC were collected in tributaries to Pipe Creek. One surface water sample was also collected off site from Plum Brook (Lindsey Ditch is one of the tributaries to Plum Brook), at the final drainage point before discharge into Sandusky Bay. Five off-site samples were scheduled to be collected; but, due to lack of precipitation, only one sample was able to be collected. The off-site surface water sample is grouped with TNTA because the sample collection location is nearest to the TNTA area.

Surface water sample collection was performed by dipping the appropriate sample container into the water source. Sample bottles were sealed, placed on ice, proper paperwork completed, and transported to GPL. The sample location was then staked and flagged for later land survey.

2.2.8 Sediment Sampling

A total of 30 sediment samples, collocated with the possible surface water samples, were collected during the field effort. Ten sediment samples were collected from TNTA, 15 from TNTC, and 5 from the off-site location.

Sediment sample collection was performed using a decontaminated stainless-steel spoon and mixing bowl. Sediment was placed into the mixing bowl, homogenized, and placed into the appropriate sample jars. When sampling for VOCs, sediment was packed directly into the

sample jar without headspace, without homogenizing. The sample containers were then labeled, placed on ice, and the proper paperwork completed. The sample location was staked and flagged for later land survey.

2.3 Decontamination Procedures

Decontamination of sampling equipment was performed in accordance with the procedures prescribed in Section 4.3 of the SAP (IT, 2000b). Decontamination of sampling equipment used for collection of screening samples was conducted in the field at a mobile decontamination pad. A decontamination pad for the drill rig and sampling equipment was set up on the west side of the red barn, east of Campbell Street and on the former road in the south west corner of the TNTA area. The sampling equipment was decontaminated according to the following procedures:

Nonsampling equipment (augers, drill rod, etc that does not contact analytical samples) was pressure washed and steam-rinsed with potable water.

Equipment used to collect field screening samples was:

- Washed with deionized water/low phosphate detergent
- Rinsed with deionized water (American Society for Testing and Materials [ASTM] Type II)
- Rinsed with isopropyl alcohol
- Air dried
- Wrapped in aluminum foil.

Equipment used to collect confirmation samples was:

- Washed and scrubbed with a nonphosphate detergent
- Rinsed with potable water
- Rinsed with ASTM Type II water
- Rinsed with isopropyl alcohol

- Rinsed with ASTM Type II water; a volume five times greater than the volume of isopropanol used
- Air dried
- Wrapped in aluminum foil.

2.4 Investigation-Derived Wastes

A limited amount of IDW was generated during the RI (decontamination water, disposable personal protective equipment, and lab wastes). IDW was managed and handled in accordance with procedures described in the SAP (IT, 1996).

Decontamination water was collected in drums prior to removal of the decontamination pad. All drums were labeled with the contents, content volume, date of generation, and source of origin as applicable. IDW drums were initially staged in the IDW storage area north of the Pentolite Road during the investigation and moved to a magazine for temporary storage pending disposal. Personal protective equipment was double-bagged and placed in the on-site industrial dumpster. IDW was sampled, deemed to be nonhazardous, and disposed off site.

2.5 Land Surveying

Two rounds of surveying were completed during the RI fieldwork by an Ohio-registered professional land surveyor. The first round began during the last week of June 2000. Horizontal coordinates of former process building foundations were located (based on historical site data) to provide reference points for approximate screening sample collection location. After discovering that the reference points of the former building foundations were inaccurate, excavation to determine building locations was conducted to provide the best result.

The second round of surveying included surveying selected borehole locations after the soil sampling was complete. Confirmation surface and subsurface soil, groundwater, surface water, and sediment sample locations were surveyed.

3.0 Analytical Program

All field screening samples and confirmation samples were analyzed by GPL Laboratories LLC, Gaithersburg, Maryland. Data validation was performed on confirmation samples by DataChek, an independent third-party contractor, located in Oak Island, North Carolina. The validation summaries are provided in Appendix B. A data summary of analytical results and field screening results is presented in Appendix C.

Chemical data were evaluated by the IT project chemist for conformance with quality assurance/quality control (QA/QC) protocols during the field sampling and laboratory analysis of the samples. It was determined that there were no significant problems observed in the laboratory results that would adversely affect the usability of the data. A complete discussion of quality issues is presented in Appendix D.

3.1 Analytical Program and Methodologies

Chemical analyses were performed in accordance with the guidelines detailed in the EPA *Test Methods for Evaluating Solid Waste* (SW-846), Physical/Chemical Methods, Third Edition, September 1986 and subsequent revisions. The confirmation samples and associated QA/QC samples were analyzed for nitroaromatics, VOCs, SVOCs, PCBs, and metals. Methods used for analysis are summarized in Table 3-1.

The screening samples were analyzed by HPLC. The screening method uses similar instrument operating conditions as EPA SW-846 Method 8330; however, there is a shorter extraction time and no second column confirmation. The analyte lists and reporting limits are the same. The screening method has less stringent QC requirements. Due to coelution of the 2,4-DNT and 2,6-DNT isomers, the laboratory reported total dinitrotoluene for both nitroaromatic methods.

Three nitroaromatic compounds appear in the analyte lists of an additional analytical method. 2,4-DNT, 2,6-DNT, and nitrobenzene are target compounds in the gas chromatography/mass spectrometry (GC/MS) EPA Method 8270C as well as the HPLC screening method and EPA Method 8330. The DNT isomers are distinguishable by GC/MS and are reported as individual isomers.

All analytical samples collected for the generation of definitive data were reported in comprehensive, CLP-like data packages. A 100 percent Level III data validation was performed using EPA guidelines presented in the *EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* and *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* dated February 1994. The criteria for blank evaluation were based on those detailed in *Region III Modifications to National Functional Guidelines for Organic Data Review* (September 1994) and *Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses* (April 1993). A description of laboratory and validation qualifiers may be found in Table 3-2.

3.2 Blank Evaluation

The purpose of blank analysis is to detect contamination resulting from laboratory and field activities. Blank evaluation involves qualification of data based on the results of associated field blanks, trip blanks, and laboratory method blanks. The criteria for blank evaluation are as follows:

- If a parameter is found in a blank but not detected in the sample, no action is taken
- For organics, if the sample result is greater than the contract-required quantitation limit (CRQL) but is less than the 5X or 10X multiple of the blank result, the sample result is qualified "B"
- For organics, if the sample result is less than the CRQL and less than the 5X or 10X multiple of the blank result, the sample result is qualified "B." The "J" qualifier is not used
- For inorganics, if the sample result is greater than the instrument detection limit but less than the 5X multiple of the blank result, the sample result is qualified "B"
- If the sample result is greater than the 5X or 10X multiple of the blank result, the sample result is not qualified.

In instances where more than one blank is associated with a given sample, qualification is based upon a comparison with the associated blank having the highest concentration of a contaminant.

3.3 Background Metal Concentrations

In May 1998, IT collected site soils (surface and subsurface) to evaluate metal concentrations against background concentrations for various metals that were previously established by D&M and reported in their 1997 report (D&M, 1997a).

IT's 1998 investigation found 18 metals present in the surface soil samples and 16 metals present in the subsurface soil samples. In the surface soil samples, 8 metals were detected at concentrations exceeding their PRGs (aluminum, antimony, arsenic, barium, beryllium, iron, manganese, and thallium). Metals detected at concentrations below their respective PRGs included chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, vanadium, and zinc. In the subsurface soil samples, 7 metals were detected above the PRGs (aluminum, antimony, arsenic, beryllium, iron, manganese, and thallium). Detected metals with concentrations below their respective PRGs included barium, chromium cobalt, copper, lead, nickel, selenium, vanadium, and zinc.

A detailed description with a map and tables are described in Chapter 4.0 of the *Site Investigation of Acid Areas* report (IT, 1998).

4.0 References

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TABLES

Table 3-1

Summary of Chemical Analyses and Methodologies
TNT Area A and C - RI Report
Former Plum Brook Ordnance Works, Sandusky, Ohio

Matrix	Analytical Parameters	Analytical Method
Soil	Nitroaromatic Compounds	HPLC Screening
	Nitroaromatic Compounds	SW-846 8330[a]
	TCL Volatile Organic Compounds	SW-846 8260B[b]
	TCL Semivolatile Organic Compounds	SW-846 8270C[b]
	PCBs	SW-846 8082[b]
	TAL Metals	SW-846 6010BA[b]/7471A[b]
Water	Nitroaromatic Compounds	SW-846 8330[a] (Low-level, salting out procedure)
	TCL Volatile Organic Compounds	SW-846 8260B[b]
	TCL Semivolatile Organic Compounds	SW-846 8270C[b]
	PCBs	SW-846 8082[b]
	TAL Metals	SW-846 6010BA[b]/7470A[b]

[a] U.S. Environmental Protection Agency (EPA), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, Third Edition, Update II, December 1994.
[b] U.S. Environmental Protection Agency (EPA), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, Third Edition, Update III, September 1996.
HPLC - High performance liquid chromatography.
TCL - Target compound list.
PCB - Polychlorinated biphenyl.
TAL - Target analyte list.

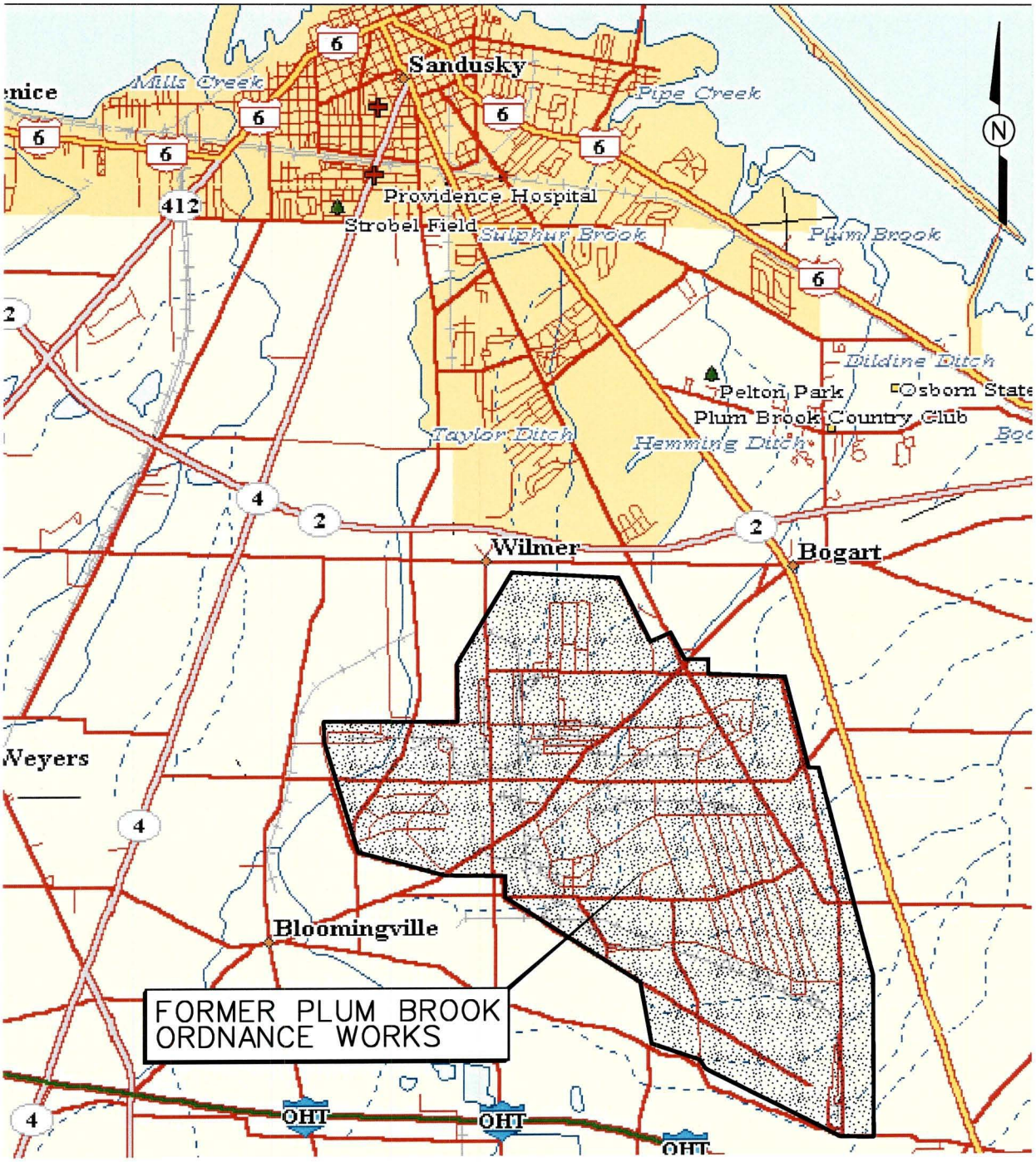
Table 3- 2

Definitions of Laboratory and Validation Qualifiers
TNT Area A and C - RI Report
Former Plum Brook Ordnance Works, Sandusky, Ohio

Qualifier Type	Qualifier	Definition
Laboratory - Organic	B	Analyte detected in the associated method blank.
	D	Analyte was reported from a diluted analysis.
	E	Concentration detected exceeds the calibration range of the instrument.
	J	Analyte positively identified. Concentration is an estimated value between the method detection limit and the reporting limit.
	P	The difference in detected concentrations between primary and confirmation columns is greater than 25%.
	U	The analyte was analyzed for but not detected.
Laboratory - Inorganic	B	Analyte positively identified. Concentration is between the instrument detection limit and the reporting limit.*
	E	Concentration is estimated because of the possible presence of interference.
	H	Analyte detected in the associated blank and the value is greater than or equal to the reporting limit.
	J	Analyte positively identified. Concentration is between the instrument detection limit and the reporting limit.*
	N	Spiked sample recovery not within control limits.
	•	Duplicate analysis not within control limits.
	U	The analyte was analyzed for but not detected.
Validation	B	Analyte detected in the associated method blank.
	J	Analyte positively identified. Concentration is an estimated value.
	UJ	The analyte was analyzed for but not detected. The reporting limit is an estimated value.
	U	The analyte was analyzed for but not detected.

* GPL used both the B and J qualifiers to denote concentrations between the IDL and RL in inorganics.

FIGURES



NOT TO SCALE

FIGURE 1-1
VICINITY MAP

FORMER PLUM BROOK ORDNANCE WORKS
SANDUSKY, OHIO

IT CORPORATION
A Member of The IT Group

STARTING DATE: 12/16/97 | DATE LAST REV.: 10/30/01 | DRAFT. CHCK. BY: | INITIATOR: D. KESSLER | DWG. NO.: \773701ES.001
DRAWN BY: D. BILLINGSLEY | DRAWN BY: bvanderg | ENGR. CHCK. BY: D. KESSLER | PROJ. MGR.: M.SPANGBERG | PROJ. NO.: 773701

01:08:56 10/30/01
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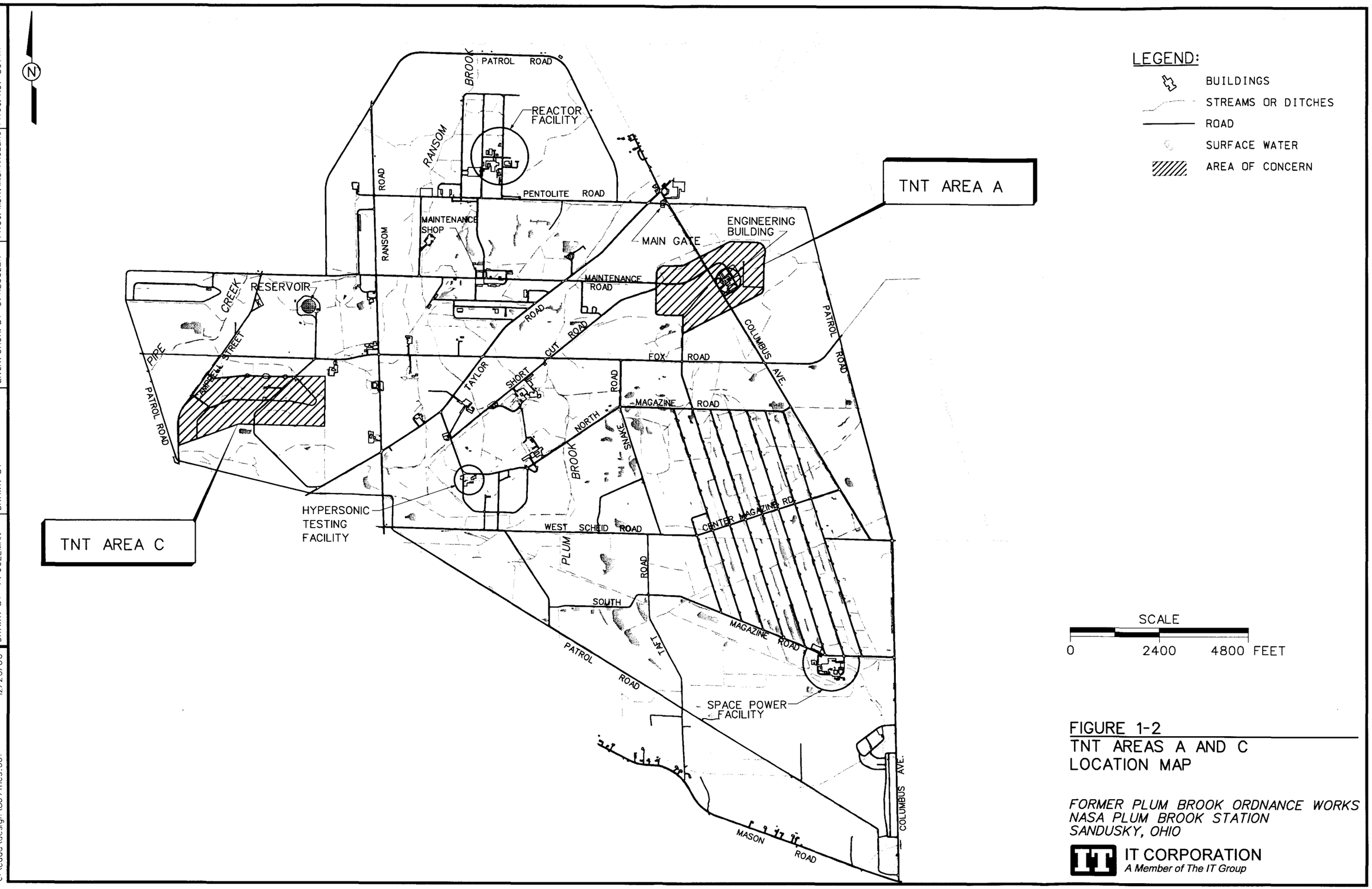

FIGURE 1-2
TNT AREAS A AND C
LOCATION MAP

FORMER PLUM BROOK ORDNANCE WORKS
NASA PLUM BROOK STATION
SANDUSKY, OHIO

IT CORPORATION
A Member of The IT Group

STARTING DATE: 04/25/00	DATE LAST REV.:	DRAFT. CHCK. BY:	INITIATOR: D. KESSLER	DWG. NO.: ...\807111es.001
DRAWN BY: P. COLEMAN	DRAWN BY:	ENGR. CHCK. BY: D. KESSLER	PROJ. MGR.:M.SPANGBERG	PROJ. NO.: 807111

09:31:35 12/20/00 bvanderg c:\cadd\design\807111es.001

APPENDIX A

PRGs for Amino-dinitrotoluene

AMINODINITROTOLUENES (ADNT)

The ADNTs, 2-amino-4,6-dinitrotoluene (35572-78-2) and 4-amino-2,6-dinitrotoluene (1946-51-0) are **SVOCs** that are present in environmental media presumably as microbial reduction products of 2,4,6-trinitrotoluene (TNT) (ATSDR, 1993; HSDB, 2000). Relevant physical properties are compiled below:

MW (g/mole)	log K_{ow} (unitless)	H (atm-m^3/mole)	log K_{oc} (unitless)	D_a (cm^2/s)	D_w (cm^2/s)	VP (atm)	S (mg/L)
Note[a]							
197.17	1.60[b]	4.57E-7[b]	3.20[b]	5.61E-2[c]	6.8E-6[d]	2.62E-7[b]	1.30E+2[b]

[a]The values provided herein (except for molecular weight and diffusivity in air) are for 2,4,6-trinitrotoluene, which is adopted as a surrogate based on structural similarity.
[b]Hazardous Substance Data Bank (HSDB), 2000, National Library of Medicine, on line.
[c]Calculated as described in Introduction to the Toxicity Profiles.
[d]Montgomery, J.H., 1996, ***Groundwater Chemicals Desk Reference, Second Edition***, Lewis Publishers, New York, pp. 1043-1044.

The ADNTs may be released to the environment as degradation products of TNT or similar compounds (HSDB, 2000).

Data regarding the environmental fate of the ADNTs were not located in the available literature. It is assumed, however, that the ADNTs may behave similarly to TNT because of the structural similarity of these compounds. Under this assumption, the ADNTs are likely to persist in soil; hydrolysis and volatilization are unlikely to be significant (HSDB, 2000). They are likely to occur almost entirely in the vapor phase in the atmosphere, and may be subject to direct photolysis and photochemical degradation.

The capability of microorganisms to biotransform TNT under aerobic conditions in water is well established; however, reduction rates under aerobic conditions are very slow (HSDB, 2000). It is unclear the extent to which the ADNTs may be subject to further microbial reduction. Photolysis, which is the most important removal process for TNT in surface water, may also be significant for the ADNTs. Hydrolysis and volatilization are not significant for TNT and also are not expected to be significant for the ADNTs. The extent of adsorption to suspended or benthic sediment is expected to be moderate.

Generally TNT is not expected to bioconcentrate in aquatic systems or participate significantly in food chain pathways under normal environmental conditions (HSDB, 2000). It is assumed that the ADNTs will not bioconcentrate significantly and biotransfer factors are not estimated.

Data regarding the extent of GI absorption of the ADNTs were not located in the available literature. ATSDR (1993) summarized the results of toxicokinetic studies in which a single oral dose of radiolabeled TNT was given to rats, mice, dogs and rabbits, and radiolabel was

quantified in various body compartments 24 hours after dosing. The appearance of red pigment in the urine of the rats and mice indicated that absorption is rapid. Urinary recovery accounted for approximately 60 percent of the dose in rats, mice and dogs, and 74 percent of the dose in rabbits. The extent of urinary recovery may serve as a conservative estimate of the extent of GI absorption. Assuming that the ADNTs may be absorbed to the same extent as TNT, the GAF for TNT of 0.6 is also adopted for the ADNTs.

Data regarding the extent of dermal uptake of the ADNTs from soil were not located. The EPA (1995) Region III default ABS of 0.1 for SVOCs is adopted for this evaluation. A PC of 1.07E-3 cm/hour and a τ of 2.12E+0 hours are estimated from the data provided above by the method of EPA (1992).

Data regarding the acute toxicity of oral exposure to the ADNTs are limited to LD_{50} values. Oral LD_{50} values in rats and mice are summarized below (EPA, 1993a):

Oral LD_{50} Values in Rats (mg/kg)		
Chemical	Males	Females
TNT	1010	820
2-Amino-4,6-dinitrotoluene	2240	1394
4-Amino-2,6-dinitrotoluene	1360	959
Oral LD_{50} Values in Mice (mg/kg)		
TNT	1009	1014
2-Amino-4,6-dinitrotoluene	1522	1722
4-Amino-2,6-dinitrotoluene	1342	1495

The data suggest that the acute toxicity of the ADNTs is not greater than TNT.

Data were not located regarding the chronic oral toxicity of the ADNTs. EPA (1993a) evaluated the toxicity of TNT and the 2,4-dinitrotoluene, and concluded that TNT is the more appropriate surrogate for the ADNTs. A verified oral RfD for TNT of 5E-4 mg/kg-day is based on a LOAEL for liver effects of 0.5 mg/kg-day in a 26-week feeding study in dogs (EPA, 2000). An uncertainty factor of 1000 was applied. EPA (1993a) estimated a LOAEL for the ADNTs of 0.58 mg/kg-day by adjusting the TNT LOAEL of 0.5 mg/kg-day by the difference in molecular weight (MW) (i.e., MW of TNT divided by MW of ADNT). Application of an uncertainty factor of 10,000 yields a provisional RfD for chronic oral exposure of the ADNTs of 5.8E-5 mg/kg-day, which is rounded to 6E-5 mg/kg-day. The liver is assumed to be the target organ for prolonged oral exposure to the ADNTs. Confidence in the provisional oral RfD is low.

EPA (1993b) classified the ADNTs in EPA cancer weight-of-evidence Group D, not classifiable as to carcinogenicity in humans, to reflect a total lack of human or animal data.

References for Aminodinitrotoluenes

Agency for Toxic Substances and Disease Registry (ATSDR), 1993, ***Toxicological Profile for 2,4,6-Trinitrotoluene***, Draft for Public Comment, U.S. Department of Health and Human Services, May.

Hazardous Substance Data Bank (HSDB), 2000, National Library of Medicine, on line.

U.S. Environmental Protection Agency (EPA), 1992, ***Dermal Exposure Assessment: Principles and Applications***, Interim Report, Office of Research and Development, Washington, DC, EPA/600/8-91/011B, January.

U.S. Environmental Protection Agency (EPA), 1995, ***Supplemental Guidance to RAGS: Region 4 Bulletins, Human Health Risk Assessment (Interim)***, Waste Management Division, Office of Health Assessment, EPA Region 4, Atlanta, GA, November.

U.S. Environmental Protection Agency (EPA), 1993a, ***Risk Assessment Issue Paper for: Derivation of Oral RfD for 2-Amino-4,6-Dinitrotoluene (CASRN 35572-78-2) and 4-Amino-2,6-Dinitrotoluene (CASRN 19406-51-0) By Analogy to 2,4,6-Trinitrotoluene Systemic Toxicity Assessment***, National Center for Environmental Assessment, Cincinnati, OH, 23 February.

U.S. Environmental Protection Agency (EPA), 1993b, ***Risk Assessment Issue Paper for: Carcinogenicity of 2-Amino-4,6-Dinitrotoluene (CASRN 35572-78-2) and 4-Amino-2,6-Dinitrotoluene (CASRN 19406-51-0)*** , National Center for Environmental Assessment, Cincinnati, OH, 23 February.

U.S. Environmental Protection Agency (EPA), 2000, ***Integrated Risk Information System (IRIS)***, National Center for Environmental Assessment, Cincinnati, OH, on line.

APPENDIX B

DATA VALIDATION SUMMARY

DATACHEK
318 CASWELL BEACH RD.
OAK ISLAND, NC 28465

December 5, 2000

Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, TN 37923

Re: PBOW: Sites TNTA, TNTC and Red Water Ponds

Dear Maureen:

Enclosed are the validated Form Is for the Plumbrook, TNTA, TNTC and Red Water Ponds, with qualifiers and codes added as required. This, along with the two previous shipments, completes all the data we received. In addition to the Form Is we have included: 1) the data validation summary report that highlights the data usability and reasons for qualifying the results; 2) the sample summary report that has the total number of samples validated for the site; and 3) the invoices to be sent to the Knoxville accounts payable department.

One technical note, all the values for metals that fall below the reporting limit and are qualified as "B" by the laboratory were given "J" qualifiers by the reviewer to match the organic compounds that are qualified as "J" if they are below reporting limits.

The original invoice for the accounts payable department is also enclosed. If you would add the P.O. numbers when they are issued, check off the invoice and take it to the right people in accounts payable, I would appreciate it. Thanks for your help.

If you should have any questions please don't hesitate to call (910-278-4653) or e-mail (kitch@bcinet.net).

Sincerely,

Tom

Tom Kitchings

PHONE: (910) 278-4653 FAX: (910) 278-7604 E-MAIL: KITCH@BCINET.NET

DATA VALIDATION SUMMARY REPORT
PLUMBROOK ORDNANCE WORKS
December, 2000

Data collected and analyzed from September, October and November, 2000, were validated 100% at Level III. Validation was conducted according to the EPA National Functional Guidelines for Organic and Inorganic Data Review. Region III guidelines were used for validation of data affected by blank contamination. Data were from sites at the Plumbrook Ordnance Works and were grouped into three sections:

I. Site TNTA
II. Site TNTC
III. Red Water Ponds

Data validation results are discussed below for each of the sections. The analyte groups and number of samples for each is also identified. Overall data was of acceptable results.

I. Site TNTA

This site was composed of 80 samples that were analyzed for volatile organic compounds, 79 for semi-volatiles, 83 for metals, 79 for explosives compounds, and 79 for PCBs. Overall, 59 soil samples and 24 water samples were distributed across eleven SDGs.

Volatile Organics: Methylene chloride was present in the associated method blanks and was qualified as "B" in 54 of the 80 samples. Contamination in the trip blanks resulted in "B" qualifiers being added to methylene chloride in fourteen samples. High and/or low surrogate recoveries resulted in "UJ/J" qualifiers for the six samples in SDGs 10121, 9180 and 9164. High percent differences (%D) in the continuing calibrations (CCALS) resulted in "J" qualifiers for acetone and methylene chloride in five soil samples in SDG 9154, and for acetone in one sample from SDG 9164. In SDG 10121, a single sample was qualified as "UJ/J" since the holding times were exceeded. Low RRFs in the ICAL and CCAL resulted in acetone being rejected, "R", in 16 water samples and "J" in two water and nine soil samples. Likewise, 2-butanone was rejected (R) in 22 water samples. Also, 2-hexanone was qualified as "R" in the five water samples in SDG 10063.

Semivolatiles: Method blank contamination resulted in "B" qualifiers being added to di-n-butylphthalate in four samples from SDG 10063. Hexachlorocyclopentadiene had high %Ds in the CCALs associated with five samples in two of the SDGs and was qualified as "UJ". In addition, 4-nitroaniline was qualified as "UJ" in three samples, 2-methylphenol in two, and 3,3'-dichlorobenzidine in two samples. Low surrogate recoveries for two samples in SDG 10063 resulted in "UJ/J" qualifiers for all the compounds. Finally, the single water sample from SDG 9169 had 2,4-dinitrotoluene qualified as "J" due to a low LCS recovery.

PCBs: A high percent difference (%D) between the results from the primary column and those from the confirmation column resulted in "J" qualifiers added to the Aroclor 1260

results in thirty samples across all SDGs. A low surrogate recovery for one sample in SDG 9164 and a high recovery for one in 9188 resulted in "UJ" and "J" qualifiers, respectively. Also, a high %D in the CCAL in SDG 9126 resulted in the Aroclor 1260 being qualified as "J".

Metals: Contamination in the preparation, ICAL and CCAL blanks resulted in fourteen elements being qualified as "B" with sodium the most often in 32 samples, with cadmium and antimony in seven each, and the others in lesser numbers. High and low recoveries in the matrix spike required "UJ/J" qualifiers for seventeen elements in samples across all the SDGs. Antimony in 51 samples, aluminum in 34 and lead in 30 were the most often qualified. High %Ds in the duplicate analysis associated with six SDGs resulted in "J" qualifiers for nine elements, with lead in 32 samples, arsenic in 20, and copper and manganese in 17 each. Finally, "J" qualifiers were needed for chromium in seven samples from SDGs 10057 and 9141 based on %Ds in the serial dilution analysis that exceeded the 25% QC limit.

Explosives: The 79samples analyzed for explosives were acceptable as reported with one sample (AA3010) having 2,4-dinitrotoluene exceeding the instrument calibration limit. A dilution was analyzed.

II. Site TNTC:

This site was composed of 84 samples that were analyzed for volatile organic compounds, 79 for semi-volatiles, 58 for metals, 82 for explosives compounds, and 84 for PCBs. Overall, 59 soil samples and 24 water samples were distributed across eleven SDGs.

Volatile Organics: Methylene chloride was present in the associated method blanks and was qualified as "B" in 58 of the 84 samples. Contamination in the trip blanks resulted in "B" qualifiers being added to methylene chloride in two samples. Acetone also was qualified as "B" in six samples. High and/or low surrogate recoveries resulted in "UJ/J" qualifiers for the nine samples in SDGs 10052, 9180, 10063 and 9188. High percent differences (%D) in the continuing calibrations (CCALS) resulted in "J" qualifiers for acetone in two soil samples in SDG 9169. Low RRFs in the ICAL and CCAL resulted in acetone being rejected, "R", in fourteen water samples and seven soils, and "J" in three water and fifteen soil samples. Likewise, 2-butanone was rejected (R) in twenty water samples.

Semivolatiles: Method blank contamination resulted in "B" qualifiers being added to diethylphthalate in six samples from SDG 10063. Hexachlorocyclopentadiene had high %Ds in the CCALs associated with twelve samples in two of the SDGs and was qualified as "UJ". In addition, 4-nitroaniline was qualified as "UJ" in nine samples, 2,4-dinitrophenol in five, 4-nitroaniline in nine, and 3,3'-dichlorobenzidine in nine samples. Low surrogate recoveries for one sample in SDG 9126 resulted in "UJ/J" qualifiers for all the compounds.

PCBs: A high percent difference (%D) between the results from the primary column and those from the confirmation column resulted in "J" qualifiers added to the Aroclor 1260 results in eighteen samples across all SDGs. A high surrogate recovery for three samples in SDG 10052 resulted in "J" qualifiers. Also, a high %D in the CCAL in SDG 9126 and 9122 resulted in the Aroclor 1260 being qualified as "J" in seventeen samples.

Metals: Contamination in the preparation, ICAL and CCAL blanks resulted in twelve elements being qualified as "B" with sodium the most often in 24 samples, copper in twelve, and the others in lesser numbers. High and low recoveries in the matrix spike required "UJ/J" qualifiers for nine elements in samples across all the SDGs. Antimony in 48 samples, aluminum in 37 and potassium in 31 were the most often qualified. High %Ds in the duplicate analysis associated with all SDGs resulted in "J" qualifiers for eight elements, with Ca in 46 samples and Zn in 50 being the most commonly qualified. Finally, "J" qualifiers were needed for chromium in seven samples from SDGs 10057 based on %Ds in the serial dilution analysis that exceeded the 25% QC limit.

Explosives: A low surrogate recovery for one water sample in SDG 9126 had all compounds qualified as "UJ".

III. Red Water Ponds:

The samples collected and analyzed during the investigation of the Red Water Pond sites included five for semivolatiles, forty-five for metals, seventeen for explosives, eleven for PAH, and forty-five for phosphorous.

Semivolatiles: None of the five samples in SDG 9A09G601 required qualifications.

PAH: All sample results were acceptable as reported with no qualifiers required.

Metals: Contamination in the method blank resulted in copper, chromium, potassium and venadium being qualified as "B" in three, eleven, fourteen and thirty-three samples, respectively. High and low recoveries in the matrix spike required "UJ/J" qualifiers for antimony in twenty-eight samples in both SDGs 9A09G601 and 9A09G602, and As, Ba, and Co in the twelve soil samples from 9A09G602. High %Ds in the duplicate analysis associated with both SDGs resulted in "J" qualifiers for As, Ba, Co, Fe, Mn, and K in the twelve soil samples from SDG 9A09G602 and for Sb, and Pb in the sixteen soil samples and for Zn in the six water samples from SDG 9A09G601. Finally, based on a high %D in the serial dilution analysis eleven elements in the soil samples from SDG 9A09G602 required "J" qualifiers. In SDG 9A09G601, Ni, K and Zn in the soils and Zn in the water samples required "J" qualifiers.

Explosives: All results were acceptable as reported with no qualifiers required.

Phosphorous: No qualifiers required. Results acceptable as reported.

PCBs: A high percent difference (%D) between the results from the primary column and those from the confirmation column resulted in "J" qualifiers added to the Aroclor 1260 results in eighteen samples across all SDGs. A high surrogate recovery for three samples in SDG 10052 resulted in "J" qualifiers. Also, a high %D in the CCAL in SDG 9126 and 9122 resulted in the Aroclor 1260 being qualified as "J" in seventeen samples.

Metals: Contamination in the preparation, ICAL and CCAL blanks resulted in twelve elements being qualified as "B" with sodium the most often in 24 samples, copper in twelve, and the others in lesser numbers. High and low recoveries in the matrix spike required "UJ/J" qualifiers for nine elements in samples across all the SDGs. Antimony in 48 samples, aluminum in 37 and potassium in 31 were the most often qualified. High %Ds in the duplicate analysis associated with all SDGs resulted in "J" qualifiers for eight elements, with Ca in 46 samples and Zn in 50 being the most commonly qualified. Finally, "J" qualifiers were needed for chromium in seven samples from SDGs 10057 based on %Ds in the serial dilution analysis that exceeded the 25% QC limit.

Explosives: A low surrogate recovery for one water sample in SDG 9126 had all compounds qualified as "UJ".

III. Red Water Ponds:

The samples collected and analyzed during the investigation of the Red Water Pond sites included five for semivolatiles, forty-five for metals, seventeen for explosives, eleven for PAH, and forty-five for phosphorous.

Semivolatiles: None of the five samples in SDG 9A09G601 required qualifications.

PAH: All sample results were acceptable as reported with no qualifiers required.

Metals: Contamination in the method blank resulted in copper, chromium, potassium and venadium being qualified as "B" in three, eleven, fourteen and thirty-three samples, respectively. High and low recoveries in the matrix spike required "UJ/J" qualifiers for antimony in twenty-eight samples in both SDGs 9A09G601 and 9A09G602, and As, Ba, and Co in the twelve soil samples from 9A09G602. High %Ds in the duplicate analysis associated with both SDGs resulted in "J" qualifiers for As, Ba, Co, Fe, Mn, and K in the twelve soil samples from SDG 9A09G602 and for Sb, and Pb in the sixteen soil samples and for Zn in the six water samples from SDG 9A09G601. Finally, based on a high %D in the serial dilution analysis eleven elements in the soil samples from SDG 9A09G602 required "J" qualifiers. In SDG 9A09G601, Ni, K and Zn in the soils and Zn in the water samples required "J" qualifiers.

Explosives: All results were acceptable as reported with no qualifiers required.

Phosphorous: No qualifiers required. Results acceptable as reported.

APPENDIX C

ANALYTICAL DATA REPORTS

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111	
LOCATION_CODE			TNTA-SO108		TNTA-SO109		TNTA-SO110		TNTA-SO111		TNTA-SO305		TNTA-SO306		TNTA-SO307	
SAMPLE_NO			AA0108		AA0109		AA0110		AA0111		AA0305		AA0306		AA0307	
SAMPLE_DATE			20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		15-Aug-00		15-Aug-00		15-Aug-00	
START.DEPTH			1		0.5		0.5		1		2		0.5		1	
END.DEPTH			2		1.5		1.5		2		3		1.5		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.518		1.31		1.31		0.654		0.25	U	0.227	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.58		0.842		0.53		0.344		0.25	U	0.227	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.397		0.606		1.24		0.739		0.25	U	0.227	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.164	J	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.18	J	0.191	J	0.377		0.25	U	0.227	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B112		TNTA-B112	
LOCATION_CODE			TNTA-SO314		TNTA-SO361		TNTA-SO362		TNTA-SO405		TNTA-SO406		TNTA-SO123		TNTA-SO124	
SAMPLE_NO			AA0314		AA0361		AA0362		AA0405		AA0406		AA0123		AA0124	
SAMPLE_DATE			15-Aug-00		12-Sep-00		12-Sep-00		21-Sep-00		21-Sep-00		19-Jul-00		19-Jul-00	
START.DEPTH			0		4		8		0.5		0.5		2		2	
END.DEPTH			1		6		10		1.5		1.5		3		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	2.87		0.25	U	0.137	J	2.39		5.31		0.246	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	1.75		0.25	U	1.84		2.73		7.99		0.169	J
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.249	U	0.246	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	12		0.25	U	0.25	U	2.65		0.249	U	0.14	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.498	U	0.493	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.249	U	0.246	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	2.69		0.614		0.5	U	0.5	U	0.498	U	0.493	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.902		0.5	U	0.5	U	0.252	J	0.427	J	0.493	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	1.07		0.449	J	0.5	U	0.5	U	0.249	U	0.246	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.498	U	0.493	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.798		0.5	U	0.5	U	0.5	U	0.249	J	0.493	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.114	J	0.246	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.483		0.25	U	0.16	J	0.482		39.1		0.246	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112	
LOCATION_CODE			TNTA-SO259		TNTA-SO323		TNTA-SO324		TNTA-SO325		TNTA-SO363		TNTA-SO364		TNTA-SO407	
SAMPLE_NO			AA0259		AA0323		AA0324		AA0325		AA0363		AA0364		AA0407	
SAMPLE_DATE			16-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00		12-Sep-00		12-Sep-00		21-Sep-00	
START.DEPTH			0.5		0		0		0		4		8		0.5	
END.DEPTH			1.5		1		1		1		6		10		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.357		0.238	U	0.344		12.6		1.76		1.48		0.656	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.23	J	0.238	U	0.552		12.4		2.4		0.594		0.688	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.238	U	0.25	U	0.238	U	0.0872	J	0.0657	J	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.141	J	0.533		0.263		15.6		0.327		0.215	J	0.164	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.238	U	0.25	U	0.238	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	1.06		0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.238	U	0.25	U	0.162	J	0.281		0.492		0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.188	J	0.238	U	0.165	J	558		64.4		5.97		0.982	

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA			TNTA			TNTA			TNTA			TNTA	
LOCATION_CODE			TNTA-SD01			TNTA-SD02			TNTA-SD03			TNTA-SD04			TNTA-SD04	
SAMPLE_NO			AA1001			AA1002			AA1003			AA1004			AA1011	
SAMPLE_DATE			19-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00	
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE			REG			REG			REG			REG			FD	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	0.0952	U	U	0.0952	U	U	0.384			0.1	U	U	0.1	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.0952	U	U	0.0952	U	U	0.731			0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.0952	U	U	0.0952	U	U	0.0909	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.237			0.0952	U	U	0.0909	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	HMX	mg/kg	0.19	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.0952	U	U	0.0952	U	U	0.0909	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.19	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.19	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.19	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	RDX	mg/kg	0.19	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	mg/kg	0.19	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.0952	U	U	0.0952	U	U	0.0909	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.0952	U	U	0.0952	U	U	0.773			0.1	U	U	0.1	U	U
VOLATILES	Acetone	mg/kg	0.0139	U	U	0.0202			0.017			0.00859	J	J	0.0129	J	J
VOLATILES	Benzene	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Bromodichloromethane	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Bromoform	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Bromomethane	mg/kg	0.0139	U	U	0.0127	U	U	0.0126	U	U	0.013	U	U	0.0133	U	U
VOLATILES	Butanone, 2-	mg/kg	0.0139	U	U	0.0127	U	U	0.0126	U	U	0.013	U	U	0.0133	U	U
VOLATILES	Carbon disulfide	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Carbon tetrachloride	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Chlorobenzene	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Chloroethane	mg/kg	0.0139	U	U	0.0127	U	U	0.0126	U	U	0.013	U	U	0.0133	U	U
VOLATILES	Chloroform	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Chloromethane	mg/kg	0.0139	U	U	0.0127	U	U	0.0126	U	U	0.013	U	U	0.0133	U	U
VOLATILES	Dibromochloromethane	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloroethane, 1,1-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloroethane, 1,2-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloroethene, 1,1-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloroethene, cis-1,2-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloroethene, trans-1,2-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloropropane, 1,2-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloropropene, cis-1,3-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Dichloropropene, trans-1,3-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B192			TNTA-B195			TNTA-B195		
LOCATION_CODE		TNTA-SO279			TNTA-SO012			TNTA-SO012		
SAMPLE_NO		AA0450			AA0426			AA0460		
SAMPLE_DATE		25-Sep-00			25-Sep-00			29-Sep-00		
START_DEPTH		2			2			4		
END_DEPTH		3			3			6		
SAMPLE_PURPOSE		REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Nitrophenol, 2-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Nitrophenol, 4-	79.8	U	U	158	U	U	15.2	U	U
SEMIVOLATILES	Pentachlorophenol	79.8	U	U	158	U	U	15.2	U	U
SEMIVOLATILES	Phenanthrene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Phenol	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Pyrene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	39.9	U	U	78.9	U	U	7.59	U	U
PCBS	Aroclor 1016	0.0399	U	U	0.0395	U	U	0.038	U	U
PCBS	Aroclor 1221	0.0399	U	U	0.0395	U	U	0.038	U	U
PCBS	Aroclor 1232	0.0399	U	U	0.0395	U	U	0.038	U	U
PCBS	Aroclor 1242	0.0399	U	U	0.0395	U	U	0.038	U	U
PCBS	Aroclor 1248	0.0399	U	U	0.0395	U	U	0.038	U	U
PCBS	Aroclor 1254	0.0399	U	U	0.0395	U	U	0.038	U	U
PCBS	Aroclor 1260	0.131		J	0.357			0.076	U	U
METALS	Aluminum	4630		J	3040		J	9060		
METALS	Antimony	1.41	U	UJ	1.23	B	B	1.32	U	UJ
METALS	Arsenic	3.23		J	14.4		J	20.3		
METALS	Barium	29.4			38.7			16.5		
METALS	Beryllium	0.299			0.28			0.758		
METALS	Cadmium	0.695	B	J	0.697	U	U	0.657	U	U
METALS	Calcium	17400			1180			47900		
METALS	Chromium	40.3			5.43			11.6		
METALS	Cobalt	3.69			3.14			6.31		
METALS	Copper	19.9		J	14.6		J	27.9		
METALS	Iron	9460			25300			44800		
METALS	Lead	142		J	65.9		J	38.6		
METALS	Magnesium	6450			533			19100		
METALS	Manganese	140		J	79.4		J	834		
METALS	Mercury	0.028	J	J	0.039	U	U	0.036	U	U
METALS	Nickel	14.4			10.2			22.9		
METALS	Potassium	522			609			2260		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B192			TNTA-B195			TNTA-B195		
LOCATION_CODE		TNTA-SO279			TNTA-SO012			TNTA-SO012		
SAMPLE_NO		AA0450			AA0426			AA0460		
SAMPLE_DATE		25-Sep-00			25-Sep-00			29-Sep-00		
START_DEPTH		2			2			4		
END_DEPTH		3			3			6		
SAMPLE_PURPOSE		REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Di-n-butyl phthalate	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Di-n-octyl phthalate	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dibenzofuran	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	79.8	U	U	158	U	U	15.2	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Diethyl phthalate	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dimethyl phthalate	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	79.8	U	U	158	U	U	15.2	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	79.8	U	U	158	U	U	15.2	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	80.9			8912			47.7		
SEMIVOLATILES	Dinitrotoluene, 2,6-	3201			10274			96.9		
SEMIVOLATILES	Fluoranthene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Fluorene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Hexachlorobenzene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Hexachlorobutadiene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Hexachloroethane	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Isophorone	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Methylphenol, 2-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Methylphenol, 4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Naphthalene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Nitroaniline, 2-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Nitroaniline, 3-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Nitroaniline, 4-	39.9	U	U	78.9	U	U	7.59	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B192			TNTA-B195			TNTA-B195		
LOCATION_CODE		TNTA-SO279			TNTA-SO012			TNTA-SO012		
SAMPLE_NO		AA0450			AA0426			AA0460		
SAMPLE_DATE		25-Sep-00			25-Sep-00			29-Sep-00		
START_DEPTH		2			2			4		
END_DEPTH		3			3			6		
SAMPLE_PURPOSE		REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Hexanone, 2-	0.012	U	U	0.0126	U	U	0.00966	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.012	U	U	0.0126	U	U	0.00966	U	U
VOLATILES	Methylene chloride	0.00928	B	B	0.0957	B	J	0.00297	JB	B
VOLATILES	Styrene	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Tetrachloroethene	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Toluene	0.00229	J	J	0.0063	U	U	0.00483	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Trichloroethene	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Vinyl chloride	0.012	U	U	0.0126	U	U	0.00966	U	U
VOLATILES	Xylene, o-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Xylenes, m,p-	0.00601	U	U	0.0063	U	U	0.00483	U	U
SEMIVOLATILES	Acenaphthene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Acenaphthylene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Anthracene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Benzo(a)anthracene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Benzo(a)pyrene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Benzo(ghi)perylene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Butyl benzyl phthalate	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Carbazole	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Chloroaniline, 4-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Chlorophenol, 2-	39.9	U	U	78.9	U	U	7.59	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	39.9	U	U	78.9	U	U	7.59	U	U

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B192			TNTA-B195			TNTA-B195		
LOCATION_CODE		TNTA-SO279			TNTA-SO012			TNTA-SO012		
SAMPLE_NO		AA0450			AA0426			AA0460		
SAMPLE_DATE		25-Sep-00			25-Sep-00			29-Sep-00		
START_DEPTH		2			2			4		
END_DEPTH		3			3			6		
SAMPLE_PURPOSE		REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	199	D		2708	D		195		
NITROAROMATICS	HMX	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.1	U	U	0.205			0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.41			0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.455			0.2	U	U
NITROAROMATICS	RDX	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.1	U	U	0.621			0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.1	U	U	259	D		104		
VOLATILES	Acetone	0.0381		J	0.0608			0.0359		
VOLATILES	Benzene	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Bromodichloromethane	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Bromoform	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Bromomethane	0.012	U	U	0.0126	U	U	0.00966	U	U
VOLATILES	Butanone, 2-	0.012	U	U	0.0126	U	U	0.00966	U	U
VOLATILES	Carbon disulfide	0.00601	U	U	0.0063	U	U	0.002	J	J
VOLATILES	Carbon tetrachloride	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Chlorobenzene	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Chloroethane	0.012	U	U	0.0126	U	U	0.00966	U	U
VOLATILES	Chloroform	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Chloromethane	0.012	U	U	0.0126	U	U	0.00966	U	U
VOLATILES	Dibromochloromethane	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloroethane, 1,1-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloroethane, 1,2-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloroethene, 1,1-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloropropane, 1,2-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00601	U	U	0.0063	U	U	0.00483	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00601	U	U	0.0063	U	U	0.00483	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B182			TNTA-B182			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-SO094			TNTA-SO094			TNTA-SO399			TNTA-SO399			TNTA-SO276		
SAMPLE_NO		AA0438			AA0465			AA0478			AA0479			AA0449		
SAMPLE_DATE		22-Sep-00			29-Sep-00			26-Sep-00			26-Sep-00			25-Sep-00		
START_DEPTH		2			5			4			8			1_5		
END_DEPTH		3			7			6			9			2_5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.02	B		2.05			1.09	U	U	1.16	U	U	1.17	U	U
METALS	Silver	0.646	U	U	0.626	U	U	0.653	U	U	0.696	U	U	0.699	U	U
METALS	Sodium	163	B	B	92.1	B	J	178	B	B	294		B	196	B	B
METALS	Thallium	2.2	U	U	2.38			2.18	U	U	2.32	U	U	2.33	U	U
METALS	Vanadium	23.2			26.2			9.65			9.51			9.06		
METALS	Zinc	86.6		J	133			20.9			30.7			15.1		

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B182			TNTA-B182			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-SO094			TNTA-SO094			TNTA-SO399			TNTA-SO399			TNTA-SO276		
SAMPLE_NO		AA0438			AA0465			AA0478			AA0479			AA0449		
SAMPLE_DATE		22-Sep-00			29-Sep-00			26-Sep-00			26-Sep-00			25-Sep-00		
START_DEPTH		2			5			4			8			1_5		
END_DEPTH		3			7			6			9			2_5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.753	U	U	3.54	U	U	0.769	U	U	0.801	U	U	0.784	U	U
SEMIVOLATILES	Pentachlorophenol	0.753	U	U	3.54	U	U	0.769	U	U	0.801	U	U	0.784	U	U
SEMIVOLATILES	Phenanthrene	0.376	U	U	0.45	J	J	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Phenol	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Pyrene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
PCBS	Aroclor 1016	0.0377	U	U	0.0355	U	U	0.0384	U	U	0.0402	U	U	0.0392	U	U
PCBS	Aroclor 1221	0.0377	U	U	0.0355	U	U	0.0384	U	U	0.0402	U	U	0.0392	U	U
PCBS	Aroclor 1232	0.0377	U	U	0.0355	U	U	0.0384	U	U	0.0402	U	U	0.0392	U	U
PCBS	Aroclor 1242	0.0377	U	U	0.0355	U	U	0.0384	U	U	0.0402	U	U	0.0392	U	U
PCBS	Aroclor 1248	0.0377	U	U	0.0355	U	U	0.0384	U	U	0.0402	U	U	0.0392	U	U
PCBS	Aroclor 1254	0.0377	U	U	0.0355	U	U	0.0384	U	U	0.0402	U	U	0.0392	U	U
PCBS	Aroclor 1260	0.0572	J	J	0.0709	U	U	0.0768	U	U	0.0804	U	U	0.0134	J	J
METALS	Aluminum	8210		J	4940			3130		J	2760		J	2130		J
METALS	Antimony	0.602	B	B	1.6		J	1.31	U	UJ	1.22	B	UJ	1.4	U	UJ
METALS	Arsenic	10.6		J	23.2			3.23			3.66			1.17	U	UJ
METALS	Barium	22.5		J	21.3			9.08		J	9.88		J	11.1		
METALS	Beryllium	0.435			0.796			0.246			0.246			0.16	B	J
METALS	Cadmium	0.239	B	B	0.626	U	U	0.653	U	U	0.103	B		0.699	U	U
METALS	Calcium	1530		J	1180			10600		J	32500		J	31000		
METALS	Chromium	10.8		J	13.6			4.96			6.4			4.71		
METALS	Cobalt	7.3			9.95			3.08			2.97			2.01		
METALS	Copper	20.8		J	93.8			5.59			5.86			2.06		J
METALS	Iron	19200			38400			7050			6710			3910		
METALS	Lead	24.4		J	32.8			3.15		J	3.32		J	8.37		J
METALS	Magnesium	1260		J	737			2880			6690			9140		
METALS	Manganese	405		J	40.4			287			220			109		J
METALS	Mercury	0.029	J	J	0.068			0.035	U	U	0.038	U	U	0.038	U	U
METALS	Nickel	21.1			48.5			8.95			8.02			5.69		
METALS	Potassium	916			2240			413			405			245		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B182			TNTA-B182			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-SO094			TNTA-SO094			TNTA-SO399			TNTA-SO399			TNTA-SO276		
SAMPLE_NO		AA0438			AA0465			AA0478			AA0479			AA0449		
SAMPLE_DATE		22-Sep-00			29-Sep-00			26-Sep-00			26-Sep-00			25-Sep-00		
START_DEPTH		2			5			4			8			1_5		
END_DEPTH		3			7			6			9			2_5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.13	J	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dibenzofuran	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.753	U	U	3.54	U	U	0.769	U	U	0.801	U	U	0.784	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Diethyl phthalate	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dimethyl phthalate	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.753	U	U	3.54	U	U	0.769	U	U	0.801	U	U	0.784	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.753	U	U	3.54	U	U	0.769	U	U	0.801	U	U	0.784	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.376	U	U	17.5			0.222	J	J				0.316	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.102	J	J	10.1			0.384	U	U	0.342	J	J	0.0529	J	J
SEMIVOLATILES	Fluoranthene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Fluorene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Hexachlorobenzene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.376	U	UJ	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Hexachloroethane	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Isophorone	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.376	U	U	1.15	J	J	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Methylphenol, 2-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Methylphenol, 4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Naphthalene	0.376	U	U	0.652	J	J	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B182			TNTA-B182			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-SO094			TNTA-SO094			TNTA-SO399			TNTA-SO399			TNTA-SO276		
SAMPLE_NO		AA0438			AA0465			AA0478			AA0479			AA0449		
SAMPLE_DATE		22-Sep-00			29-Sep-00			26-Sep-00			26-Sep-00			25-Sep-00		
START_DEPTH		2			5			4			8			1_5		
END_DEPTH		3			7			6			9			2_5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Hexanone, 2-	0.00939	U	U	0.0137	U	U	0.01	U	U	0.0128	U	UJ	0.0118	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.00939	U	U	0.0137	U	U	0.01	U	U	0.0128	U	UJ	0.0118	U	U
VOLATILES	Methylene chloride	0.0057		B	0.00369	J	B	0.004	JB	B	0.0564	B	J	0.0738	B	
VOLATILES	Styrene	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Tetrachloroethene	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Toluene	0.0047	U	U	0.00685	U	U	0.004	J	J	0.00857		J	0.00588	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Trichloroethene	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Vinyl chloride	0.00939	U	U	0.0137	U	U	0.01	U	U	0.0128	U	UJ	0.0118	U	U
VOLATILES	Xylene, o-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.0027	J	J	0.00588	U	U
VOLATILES	Xylenes, m,p-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00787		J	0.00588	U	U
SEMIVOLATILES	Acenaphthene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Acenaphthylene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Anthracene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Carbazole	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.376	U	U	1.77	U	U	0.384	U	U	0.401	U	U	0.392	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B182			TNTA-B182			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-SO094			TNTA-SO094			TNTA-SO399			TNTA-SO399			TNTA-SO276		
SAMPLE_NO		AA0438			AA0465			AA0478			AA0479			AA0449		
SAMPLE_DATE		22-Sep-00			29-Sep-00			26-Sep-00			26-Sep-00			25-Sep-00		
START_DEPTH		2			5			4			8			1_5		
END_DEPTH		3			7			6			9			2_5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.087	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.0909	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.087	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.0909	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.087	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.0909	U	U
NITROAROMATICS	Dinitrotoluene, total	0.087	U	U	76.2			0.252			1.54			0.411		
NITROAROMATICS	HMX	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Nitrobenzene	0.087	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.0909	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.174	U	U	0.245			0.2	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	RDX	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Tetryl	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.087	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.0909	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.087	U	U	0.1	U	U	0.1	U	U	0.159			0.0909	U	U
VOLATILES	Acetone	0.0515			0.0228			0.01	U	R	0.0128	U	UJ	0.188		J
VOLATILES	Benzene	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Bromodichloromethane	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Bromoform	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Bromomethane	0.00939	U	U	0.0137	U	U	0.01	U	U	0.0128	U	UJ	0.0118	U	U
VOLATILES	Butanone, 2-	0.00477	J	J	0.0137	U	U	0.01	U	U	0.0128	U	UJ	0.0118	U	U
VOLATILES	Carbon disulfide	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Carbon tetrachloride	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Chlorobenzene	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Chloroethane	0.00939	U	U	0.0137	U	U	0.01	U	U	0.0128	U	UJ	0.0118	U	U
VOLATILES	Chloroform	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Chloromethane	0.00939	U	U	0.0137	U	U	0.01	U	U	0.0128	U	UJ	0.0118	U	U
VOLATILES	Dibromochloromethane	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloroethane, 1,1-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloroethane, 1,2-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloroethene, 1,1-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloropropane, 1,2-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.0047	U	U	0.00685	U	U	0.005	U	U	0.00642	U	UJ	0.00588	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B146			TNTA-B146			TNTA-B146			TNTA-B148			TNTA-B182		
LOCATION_CODE		TNTA-SO081			TNTA-SO081			TNTA-SO225			TNTA-SO077			TNTA-SO094		
SAMPLE_NO		AA0434			AA0435			AA0480			AA0433			AA0437		
SAMPLE_DATE		25-Sep-00			25-Sep-00			11-Oct-00			25-Sep-00			22-Sep-00		
START_DEPTH		_8			_8			2			_7			2		
END_DEPTH		1_8			1_8			3			1_7			3		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.29	U	U	1.19	U	U	1	B	B	1.12	U	U	1.24		
METALS	Silver	0.773	U	U	0.716	U	U	0.814	U	U	0.671	U	U	0.658	U	U
METALS	Sodium	147	B	B	213	B	B	201	B	J	151	B	B	158	B	B
METALS	Thallium	2.58	U	U	2.39	U	U	2.71	U	U	2.24	U	U	2.19	U	U
METALS	Vanadium	20.4			19.4			22.4			15.3			21.7		
METALS	Zinc	51.4			57.7			47.2		J	50.3			76.5		J

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B146			TNTA-B146			TNTA-B146			TNTA-B148			TNTA-B182		
LOCATION_CODE		TNTA-SO081			TNTA-SO081			TNTA-SO225			TNTA-SO077			TNTA-SO094		
SAMPLE_NO		AA0434			AA0435			AA0480			AA0433			AA0437		
SAMPLE_DATE		25-Sep-00			25-Sep-00			11-Oct-00			25-Sep-00			22-Sep-00		
START_DEPTH		_8			_8			2			_7			2		
END_DEPTH		1_8			1_8			3			1_7			3		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.859	U	U	0.851	U	U	0.914	U	U	0.745	U	U	0.753	U	U
SEMIVOLATILES	Pentachlorophenol	0.859	U	U	0.851	U	U	0.914	U	U	0.745	U	U	0.753	U	U
SEMIVOLATILES	Phenanthrene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Phenol	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Pyrene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
PCBS	Aroclor 1016	0.043	U	U	0.0425	U	U	0.0457	U	U	0.0373	U	U	0.0376	U	U
PCBS	Aroclor 1221	0.043	U	U	0.0425	U	U	0.0457	U	U	0.0373	U	U	0.0376	U	U
PCBS	Aroclor 1232	0.043	U	U	0.0425	U	U	0.0457	U	U	0.0373	U	U	0.0376	U	U
PCBS	Aroclor 1242	0.043	U	U	0.0425	U	U	0.0457	U	U	0.0373	U	U	0.0376	U	U
PCBS	Aroclor 1248	0.043	U	U	0.0425	U	U	0.0457	U	U	0.0373	U	U	0.0376	U	U
PCBS	Aroclor 1254	0.043	U	U	0.0425	U	U	0.0457	U	U	0.0373	U	U	0.0376	U	U
PCBS	Aroclor 1260	0.0634	J	J	0.071	J	J	0.0914	U	U	0.24			0.0479	J	J
METALS	Aluminum	6290		J	6500		J	11700			5400		J	7060		J
METALS	Antimony	1.55	U	UJ	0.981	B	B	1.63	U	UJ	1.34	U	UJ	1.32	U	UJ
METALS	Arsenic	2.94		J	2.95		J	5.07			3.67		J	10.9		J
METALS	Barium	27.5			30.5			68.7			20.5			20.1		J
METALS	Beryllium	0.396			0.413			0.759			0.331			0.497		
METALS	Cadmium	0.193	B	J	0.23	B	J	0.133	B	J	0.198	B	J	0.189	B	B
METALS	Calcium	11500			33200			7120		J	5150			1330		J
METALS	Chromium	11.9			12.6			19.3		J	8.25			10.2		J
METALS	Cobalt	3.76			4.77			11.1			4.17			5.38		
METALS	Copper	17.3		J	19.4		J	9.23			7.86		J	22.3		J
METALS	Iron	11500			13000			19700			10400			19400		
METALS	Lead	50.3		J	53.4		J	11.1		J	25.9		J	19.8		J
METALS	Magnesium	2190			4180			3040		J	1220			1060		J
METALS	Manganese	267		J	326		J	423			221		J	276		J
METALS	Mercury	0.08			0.068			0.078		J	0.022	J	J	0.035		
METALS	Nickel	9.38			12.8			26.8			11.2			22.7		
METALS	Potassium	632			936			1960		J	516			1080		

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GROUP_NAME		TNTA-B146			TNTA-B146			TNTA-B146			TNTA-B148			TNTA-B182		
LOCATION_CODE		TNTA-SO081			TNTA-SO081			TNTA-SO225			TNTA-SO077			TNTA-SO094		
SAMPLE_NO		AA0434			AA0435			AA0480			AA0433			AA0437		
SAMPLE_DATE		25-Sep-00			25-Sep-00			11-Oct-00			25-Sep-00			22-Sep-00		
START_DEPTH		_8			_8			2			_7			2		
END_DEPTH		1_8			1_8			3			1_7			3		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dibenzofuran	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.859	U	U	0.851	U	U	0.914	U	U	0.745	U	U	0.753	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Diethyl phthalate	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dimethyl phthalate	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.859	U	U	0.851	U	U	0.914	U	U	0.745	U	U	0.753	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.859	U	U	0.851	U	U	0.914	U	U	0.745	U	U	0.753	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.173	J	J	0.26	J	J	0.165	J	J	0.092	J	J	0.803		
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.43	U	U	0.425	U	U	0.058	J	J	0.372	U	U	0.108	J	J
SEMIVOLATILES	Fluoranthene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Fluorene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Hexachlorobenzene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	UJ
SEMIVOLATILES	Hexachloroethane	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Isophorone	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Methylphenol, 2-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Methylphenol, 4-	0.43	U	U	0.425	U	U	0.457	U	U	0.403	U	U	0.376	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Naphthalene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.43	U	U	0.425	U	U	0.457	U	U	0.403	U	U	0.376	U	U

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B146			TNTA-B146			TNTA-B146			TNTA-B148			TNTA-B182		
LOCATION_CODE		TNTA-SO081			TNTA-SO081			TNTA-SO225			TNTA-SO077			TNTA-SO094		
SAMPLE_NO		AA0434			AA0435			AA0480			AA0433			AA0437		
SAMPLE_DATE		25-Sep-00			25-Sep-00			11-Oct-00			25-Sep-00			22-Sep-00		
START_DEPTH		_8			_8			2			_7			2		
END_DEPTH		1_8			1_8			3			1_7			3		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Hexanone, 2-	0.0163	U	U	0.0122	U	U	0.0151	U	U	0.0117	U	U	0.00946	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0163	U	U	0.0122	U	U	0.0151	U	U	0.0117	U	U	0.00946	U	U
VOLATILES	Methylene chloride	0.037	B	B	0.0158	B	B	0.00695	JB	B	0.0795	B	J	0.00666		B
VOLATILES	Styrene	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Tetrachloroethene	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Toluene	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Trichloroethene	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Vinyl chloride	0.0163	U	U	0.0122	U	U	0.0151	U	U	0.0117	U	U	0.00946	U	U
VOLATILES	Xylene, o-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Xylenes, m,p-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
SEMIVOLATILES	Acenaphthene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Acenaphthylene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Anthracene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.43	U	U	0.425	U	U	0.0242	J	J	0.372	U	U	0.376	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Carbazole	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.43	U	U	0.425	U	U	0.457	U	U	0.372	U	U	0.376	U	U

Soil Data Summary Report
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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B146			TNTA-B146			TNTA-B146			TNTA-B148			TNTA-B182		
LOCATION_CODE		TNTA-SO081			TNTA-SO081			TNTA-SO225			TNTA-SO077			TNTA-SO094		
SAMPLE_NO		AA0434			AA0435			AA0480			AA0433			AA0437		
SAMPLE_DATE		25-Sep-00			25-Sep-00			11-Oct-00			25-Sep-00			22-Sep-00		
START_DEPTH		_8			_8			2			_7			2		
END_DEPTH		1_8			1_8			3			1_7			3		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	5.84			6.11			7.45			0.329			0.1	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	9.59			8.87			20.7			1.04			0.1	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0952	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.0952	U	U	0.1	U	U	0.1	U	U	0.677			0.1	U	U
NITROAROMATICS	HMX	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.0952	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	RDX	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.178			0.568			0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	163	D		140	D		205			1.27			0.1	U	U
VOLATILES	Acetone	0.0636			0.0219			0.0368		J	0.055			0.0579		
VOLATILES	Benzene	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Bromodichloromethane	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Bromoform	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Bromomethane	0.0163	U	U	0.0122	U	U	0.0151	U	U	0.0117	U	U	0.00946	U	U
VOLATILES	Butanone, 2-	0.0163	U	U	0.0122	U	U	0.0151	U	U	0.0117	U	U	0.00946	U	U
VOLATILES	Carbon disulfide	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Carbon tetrachloride	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Chlorobenzene	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Chloroethane	0.0163	U	U	0.0122	U	U	0.0151	U	U	0.0117	U	U	0.00946	U	U
VOLATILES	Chloroform	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Chloromethane	0.0163	U	U	0.0122	U	U	0.0151	U	U	0.0117	U	U	0.00946	U	U
VOLATILES	Dibromochloromethane	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloroethane, 1,1-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloroethane, 1,2-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloroethene, 1,1-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloropropane, 1,2-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00814	U	U	0.00609	U	U	0.00755	U	U	0.00586	U	U	0.00473	U	U

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B142			TNTA-B142			TNTA-B143			TNTA-B146			TNTA-B146		
LOCATION_CODE		TNTA-SO016			TNTA-SO016			TNTA-SO035			TNTA-SO080			TNTA-SO080		
SAMPLE_NO		AA0428			AA0429			AA0431			AA0463			AA0464		
SAMPLE_DATE		25-Sep-00			25-Sep-00			25-Sep-00			29-Sep-00			29-Sep-00		
START_DEPTH		2			2			1_5			4			8		
END_DEPTH		3			3			2_5			6			10		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.22	U	U	1.13	U	U	1.1	U	U	1.07	U	U	1.09	U	U
METALS	Silver	0.729	U	U	0.677	U	U	0.658	U	U	0.642	U	U	0.657	U	U
METALS	Sodium	135	B	B	148	B	B	106	B	B	338			324		
METALS	Thallium	2.43	U	U	2.26	U	U	2.19	U	U	2.14	U	U	2.19	U	U
METALS	Vanadium	18			18			13			19.1			18.9		
METALS	Zinc	35.8			31.7			52.5			45.5			41		

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B142			TNTA-B142			TNTA-B143			TNTA-B146			TNTA-B146		
LOCATION_CODE		TNTA-SO016			TNTA-SO016			TNTA-SO035			TNTA-SO080			TNTA-SO080		
SAMPLE_NO		AA0428			AA0429			AA0431			AA0463			AA0464		
SAMPLE_DATE		25-Sep-00			25-Sep-00			25-Sep-00			29-Sep-00			29-Sep-00		
START_DEPTH		2			2			1_5			4			8		
END_DEPTH		3			3			2_5			6			10		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.81	U	U	0.767	U	U	0.738	U	U	0.756	U	U	0.773	U	U
SEMIVOLATILES	Pentachlorophenol	0.81	U	U	0.767	U	U	0.738	U	U	0.756	U	U	0.773	U	U
SEMIVOLATILES	Phenanthrene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Phenol	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Pyrene	0.405	U	U	0.384	U	U	0.175	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
PCBS	Aroclor 1016	0.0405	U	U	0.0384	U	U	0.0369	U	U	0.0378	U	U	0.0384	U	U
PCBS	Aroclor 1221	0.0405	U	U	0.0384	U	U	0.0369	U	U	0.0378	U	U	0.0384	U	U
PCBS	Aroclor 1232	0.0405	U	U	0.0384	U	U	0.0369	U	U	0.0378	U	U	0.0384	U	U
PCBS	Aroclor 1242	0.0405	U	U	0.0384	U	U	0.0369	U	U	0.0378	U	U	0.0384	U	U
PCBS	Aroclor 1248	0.0405	U	U	0.0384	U	U	0.0369	U	U	0.0378	U	U	0.0384	U	U
PCBS	Aroclor 1254	0.0405	U	U	0.0384	U	U	0.0369	U	U	0.0378	U	U	0.0384	U	U
PCBS	Aroclor 1260	0.0328	J	J	0.0329	J	J	0.053	J	J	0.152		J	0.0768	U	U
METALS	Aluminum	4810		J	4620		J	4960		J	11000			13200		
METALS	Antimony	1.46	U	UJ	1.35	U	UJ	0.8	B	B	1.28	U	UJ	1.31	U	UJ
METALS	Arsenic	3.71		J	4.1		J	2.86		J	7.52			11		
METALS	Barium	23.7			19.5			22.9			23			21.2		
METALS	Beryllium	0.368			0.338			0.33			0.61			0.707		
METALS	Cadmium	0.729	U	U	0.092	B	J	0.204	B	J	0.642	U	U	0.657	U	U
METALS	Calcium	6860			8730			3240			30400			47300		
METALS	Chromium	9.4			8.49			6.57			19.6			24.2		
METALS	Cobalt	3.58			3.75			4.01			12.9			18.7		
METALS	Copper	6.31		J	5.51		J	7.9		J	12.8			14.6		
METALS	Iron	19900			12600			8720			18400			24500		
METALS	Lead	12.2		J	10.4		J	9.77		J	22.5			6.65		
METALS	Magnesium	1460			1750			1050			6600			8980		
METALS	Manganese	547		J	335		J	187		J	336			501		
METALS	Mercury	0.035	U	U	0.033	U	U	0.035	U	U	0.034	B	J	0.037	U	U
METALS	Nickel	9.65			9.45			11.5			35.4			50.6		
METALS	Potassium	713			666			361			3190			3660		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B142			TNTA-B142			TNTA-B143			TNTA-B146			TNTA-B146		
LOCATION_CODE		TNTA-SO016			TNTA-SO016			TNTA-SO035			TNTA-SO080			TNTA-SO080		
SAMPLE_NO		AA0428			AA0429			AA0431			AA0463			AA0464		
SAMPLE_DATE		25-Sep-00			25-Sep-00			25-Sep-00			29-Sep-00			29-Sep-00		
START_DEPTH		2			2			1_5			4			8		
END_DEPTH		3			3			2_5			6			10		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.405	U	U	0.384	U	U	0.202	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.405	U	U	0.384	U	U	0.369	U	U	0.216	J	J	0.387	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dibenzofuran	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.81	U	U	0.767	U	U	0.738	U	U	0.756	U	U	0.773	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Diethyl phthalate	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dimethyl phthalate	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.81	U	U	0.767	U	U	0.738	U	U	0.756	U	U	0.773	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.81	U	U	0.767	U	U	0.738	U	U	0.756	U	U	0.773	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.551			0.134	J	J	0.301	J	J	0.296	J	J	0.387	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.179	J	J	0.0599	J	J	0.347	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Fluoranthene	0.405	U	U	0.384	U	U	0.193	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Fluorene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Hexachlorobenzene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Hexachloroethane	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.405	U	U	0.384	U	U	0.0996	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Isophorone	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Methylphenol, 2-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Methylphenol, 4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Naphthalene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B142			TNTA-B142			TNTA-B143			TNTA-B146			TNTA-B146		
LOCATION_CODE		TNTA-SO016			TNTA-SO016			TNTA-SO035			TNTA-SO080			TNTA-SO080		
SAMPLE_NO		AA0428			AA0429			AA0431			AA0463			AA0464		
SAMPLE_DATE		25-Sep-00			25-Sep-00			25-Sep-00			29-Sep-00			29-Sep-00		
START_DEPTH		2			2			1_5			4			8		
END_DEPTH		3			3			2_5			6			10		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Hexanone, 2-	0.0117	U	U	0.0115	U	U	0.0115	U	U	0.0102	U	U	0.00946	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0117	U	U	0.0115	U	U	0.0115	U	U	0.0102	U	U	0.00946	U	U
VOLATILES	Methylene chloride	0.0522	B	J	0.0549	B	J	0.0357	B	B	0.00201	J	B	0.00242	J	B
VOLATILES	Styrene	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Tetrachloroethene	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Toluene	0.00254	J	J	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Trichloroethene	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Vinyl chloride	0.0117	U	U	0.0115	U	U	0.0115	U	U	0.0102	U	U	0.00946	U	U
VOLATILES	Xylene, o-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Xylenes, m,p-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
SEMIVOLATILES	Acenaphthene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Acenaphthylene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Anthracene	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.405	U	U	0.384	U	U	0.295	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.405	U	U	0.384	U	U	0.218	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.405	U	U	0.384	U	U	0.305	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.405	U	U	0.384	U	U	0.0981	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.405	U	U	0.384	U	U	0.158	J	J	0.378	U	U	0.387	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.405	U	U	0.384	U	U	0.369	U	U	0.0231	J	J	0.387	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Carbazole	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.405	U	U	0.384	U	U	0.369	U	U	0.378	U	U	0.387	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B142			TNTA-B142			TNTA-B143			TNTA-B146			TNTA-B146		
LOCATION_CODE		TNTA-SO016			TNTA-SO016			TNTA-SO035			TNTA-SO080			TNTA-SO080		
SAMPLE_NO		AA0428			AA0429			AA0431			AA0463			AA0464		
SAMPLE_DATE		25-Sep-00			25-Sep-00			25-Sep-00			29-Sep-00			29-Sep-00		
START_DEPTH		2			2			1_5			4			8		
END_DEPTH		3			3			2_5			6			10		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	1.87			1.5			0.409			16			0.551		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	3.53			2.96			0.501			32.6			1.22		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0952	U	U	0.1	U	U	0.0909	U	U	0.1	U	U	0.0909	U	U
NITROAROMATICS	Dinitrotoluene, total	0.534			0.651			0.349			0.1	U	U	0.0909	U	U
NITROAROMATICS	HMX	0.19	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Nitrobenzene	0.0952	U	U	0.1	U	U	0.0909	U	U	0.119			0.136		
NITROAROMATICS	Nitrotoluene, 2-	0.19	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.16	J	J	0.2	U	U	0.182	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.19	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	RDX	0.19	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Tetryl	0.19	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.182	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.0665	J	J	0.0907	J	J	0.0909	U	U	0.123			0.0761	J	J
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.896			2.27			0.245			530			92.5		
VOLATILES	Acetone	0.0277			0.0378			0.06			0.0401			0.015		
VOLATILES	Benzene	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Bromodichloromethane	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Bromoform	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Bromomethane	0.0117	U	U	0.0115	U	U	0.0115	U	U	0.0102	U	U	0.00946	U	U
VOLATILES	Butanone, 2-	0.0117	U	U	0.0115	U	U	0.0115	U	U	0.0102	U	U	0.00946	U	U
VOLATILES	Carbon disulfide	0.00671			0.00693			0.00573	U	U	0.00202	J	J	0.00473	U	U
VOLATILES	Carbon tetrachloride	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Chlorobenzene	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Chloroethane	0.0117	U	U	0.0115	U	U	0.0115	U	U	0.0102	U	U	0.00946	U	U
VOLATILES	Chloroform	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Chloromethane	0.0117	U	U	0.0115	U	U	0.0115	U	U	0.0102	U	U	0.00946	U	U
VOLATILES	Dibromochloromethane	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloroethane, 1,1-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloroethane, 1,2-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloroethene, 1,1-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloropropane, 1,2-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00587	U	U	0.00576	U	U	0.00573	U	U	0.00512	U	U	0.00473	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B131			TNTA-B136			TNTA-B139			TNTA-B141			TNTA-B142		
LOCATION_CODE		TNTA-SO062			TNTA-SO334			TNTA-SO040			TNTA-SO297			TNTA-SO016		
SAMPLE_NO		AA0462			AA0453			AA0432			AA0451			AA0427		
SAMPLE_DATE		29-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00		
START_DEPTH		6			1			2			1			0		
END_DEPTH		8			2			3			2			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.84			1.34	U	U	1.2	U	U	1.1	U	U	1.12	U	U
METALS	Silver	0.664	U	U	0.802	U	U	0.704	B	J	0.661	U	U	0.669	U	U
METALS	Sodium	202	B	J	249	B	B	178	B	B	230		B	299		B
METALS	Thallium	2.22	U	U	2.67	U	U	2.39	U	U	2.2	U	U	2.23	U	U
METALS	Vanadium	15.7			16.3			8.51			12.8			10.6		
METALS	Zinc	146			348			60.7			255			751		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B131			TNTA-B136			TNTA-B139			TNTA-B141			TNTA-B142		
LOCATION_CODE		TNTA-SO062			TNTA-SO334			TNTA-SO040			TNTA-SO297			TNTA-SO016		
SAMPLE_NO		AA0462			AA0453			AA0432			AA0451			AA0427		
SAMPLE_DATE		29-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00		
START_DEPTH		6			1			2			1			0		
END_DEPTH		8			2			3			2			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Nitrophenol, 2-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Nitrophenol, 4-	3.77	U	U	0.917	U	U	0.806	U	U	0.763	U	U	0.773	U	U
SEMIVOLATILES	Pentachlorophenol	3.77	U	U	0.917	U	U	0.806	U	U	0.763	U	U	0.773	U	U
SEMIVOLATILES	Phenanthrene	1.88	U	U	0.0807	J	J	0.06	J	J	0.0633	J	J	0.386	U	U
SEMIVOLATILES	Phenol	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Pyrene	1.88	U	U	0.153	J	J	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
PCBS	Aroclor 1016	0.0377	U	U	0.0459	U	U	4.03	U	U	0.0382	U	U	0.155	U	U
PCBS	Aroclor 1221	0.0377	U	U	0.0459	U	U	4.03	U	U	0.0382	U	U	0.155	U	U
PCBS	Aroclor 1232	0.0377	U	U	0.0459	U	U	4.03	U	U	0.0382	U	U	0.155	U	U
PCBS	Aroclor 1242	0.0377	U	U	0.0459	U	U	4.03	U	U	0.0382	U	U	0.155	U	U
PCBS	Aroclor 1248	0.0377	U	U	0.0459	U	U	4.03	U	U	0.0382	U	U	0.155	U	U
PCBS	Aroclor 1254	0.0377	U	U	0.0459	U	U	4.03	U	U	0.0382	U	U	0.155	U	U
PCBS	Aroclor 1260	0.251			0.014	J	J	69.8		J	0.215			2.48		J
METALS	Aluminum	4840			5890		J	2490		J	4660		J	3520		J
METALS	Antimony	0.669	B	J	2.24		J	3.14		J	1.21	B	B	3.69		J
METALS	Arsenic	10.4			3.13		J	4.67		J	3.83		J	2.76		J
METALS	Barium	73.3			23.7			61.6			22.2			124		
METALS	Beryllium	0.503			0.357			0.234	B	J	0.367			0.243		
METALS	Cadmium	0.494	B	J	0.686	B	J	0.198	B	J	0.579	B	J	1.59		
METALS	Calcium	97600			14500			2830			125000			51000		
METALS	Chromium	9.01			11.6			8.49			8.75			15.4		
METALS	Cobalt	7.48			3			2.04			4.79			2.85		
METALS	Copper	30.7			80.5		J	21.1		J	35.9		J	88.4		J
METALS	Iron	14200			10600			6920			12300			8290		
METALS	Lead	108			69.5		J	11900		J	119		J	588		J
METALS	Magnesium	11900			2070			597			10400			3610		
METALS	Manganese	567			93.3		J	59.9		J	515		J	223		J
METALS	Mercury	0.084			0.041			0.078			0.037	U	U	0.134		
METALS	Nickel	23.7			9.14			7.79			15.9			13.1		
METALS	Potassium	940			542			649			810			481		

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B131			TNTA-B136			TNTA-B139			TNTA-B141			TNTA-B142		
LOCATION_CODE		TNTA-SO062			TNTA-SO334			TNTA-SO040			TNTA-SO297			TNTA-SO016		
SAMPLE_NO		AA0462			AA0453			AA0432			AA0451			AA0427		
SAMPLE_DATE		29-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00		
START_DEPTH		6			1			2			1			0		
END_DEPTH		8			2			3			2			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	1.88	U	U	0.109	J	J	0.0733	J	J	0.107	J	J	0.386	U	U
SEMIVOLATILES	Di-n-butyl phthalate	1.88	U	U	0.0729	J	J	0.0568	J	J	0.381	U	U	0.386	U	U
SEMIVOLATILES	Di-n-octyl phthalate	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dibenzofuran	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	3.77	U	U	0.917	U	U	0.806	U	U	0.763	U	U	0.773	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Diethyl phthalate	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dimethyl phthalate	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	3.77	U	U	0.917	U	U	0.806	U	U	0.763	U	U	0.773	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	3.77	U	U	0.917	U	U	0.806	U	U	0.763	U	U	0.773	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	15.2			0.459	U	U	4.72			2.03			0.0761	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	7.29			0.459	U	U	1.32			0.694			0.386	U	U
SEMIVOLATILES	Fluoranthene	1.88	U	U	0.176	J	J	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Fluorene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Hexachlorobenzene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Hexachlorobutadiene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Hexachloroethane	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Isophorone	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.386	J	J	0.459	U	U	0.0907	J	J	0.0999	J	J	0.386	U	U
SEMIVOLATILES	Methylphenol, 2-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Methylphenol, 4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Naphthalene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Nitroaniline, 2-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Nitroaniline, 3-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Nitroaniline, 4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B131			TNTA-B136			TNTA-B139			TNTA-B141			TNTA-B142		
LOCATION_CODE		TNTA-SO062			TNTA-SO334			TNTA-SO040			TNTA-SO297			TNTA-SO016		
SAMPLE_NO		AA0462			AA0453			AA0432			AA0451			AA0427		
SAMPLE_DATE		29-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00		
START_DEPTH		6			1			2			1			0		
END_DEPTH		8			2			3			2			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Hexanone, 2-	0.0101	U	U	0.0138	U	U	0.0122	U	U	0.00993	U	U	0.0123	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0101	U	U	0.0138	U	U	0.0122	U	U	0.00993	U	U	0.0123	U	U
VOLATILES	Methylene chloride	0.00217	JB	B	0.107	B	B	0.0325	B	B	0.0272	B	B	0.0567	B	B
VOLATILES	Styrene	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Tetrachloroethene	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Toluene	0.00484	J	J	0.00688	U	U	0.00611	U	U	0.00339	J	J	0.00615	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Trichloroethene	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Vinyl chloride	0.0101	U	U	0.0138	U	U	0.0122	U	U	0.00993	U	U	0.0123	U	U
VOLATILES	Xylene, o-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Xylenes, m,p-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
SEMIVOLATILES	Acenaphthene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Acenaphthylene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Anthracene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Benzo(a)anthracene	1.88	U	U	0.117	J	J	0.403	U	U	0.0496	J	J	0.386	U	U
SEMIVOLATILES	Benzo(a)pyrene	1.88	U	U	0.107	J	J	0.403	U	U	0.0484	J	J	0.386	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	1.88	U	U	0.162	J	J	0.403	U	U	0.127	J	J	0.386	U	U
SEMIVOLATILES	Benzo(ghi)perylene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Butyl benzyl phthalate	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Carbazole	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Chloroaniline, 4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Chlorophenol, 2-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	1.88	U	U	0.459	U	U	0.403	U	U	0.381	U	U	0.386	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B131			TNTA-B136			TNTA-B139			TNTA-B141			TNTA-B142		
LOCATION_CODE		TNTA-SO062			TNTA-SO334			TNTA-SO040			TNTA-SO297			TNTA-SO016		
SAMPLE_NO		AA0462			AA0453			AA0432			AA0451			AA0427		
SAMPLE_DATE		29-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00			25-Sep-00		
START_DEPTH		6			1			2			1			0		
END_DEPTH		8			2			3			2			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	9.44			0.0952	U	U	2.43			4.22			0.132		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	9.49			0.0952	U	U	0.1	U	U	4.83			0.0952	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0952	U	U	0.0952	U	U	0.1	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Dinitrotoluene, total	61.8			0.0952	U	U	40.8			7.36			1.46		
NITROAROMATICS	HMX	0.19	U	U	0.19	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrobenzene	0.0952	U	U	0.0952	U	U	0.1	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Nitrotoluene, 2-	152			0.19	U	U	1.05			0.374			0.19	U	U
NITROAROMATICS	Nitrotoluene, 3-	16.9			0.19	U	U	0.199	J	J	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 4-	98.4			0.19	U	U	0.827			0.2	U	U	0.19	U	U
NITROAROMATICS	RDX	0.19	U	U	0.19	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Tetryl	0.19	U	U	0.19	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.0952	U	U	0.0952	U	U	0.902			0.1	U	U	0.0952	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	15.9			0.0952	U	U	7.21			11.5			0.806		
VOLATILES	Acetone	0.0544			0.0159		J	0.0837			0.194		J	0.188		
VOLATILES	Benzene	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00244	J	J	0.00615	U	U
VOLATILES	Bromodichloromethane	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Bromoform	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Bromomethane	0.0101	U	U	0.0138	U	U	0.0122	U	U	0.00993	U	U	0.0123	U	U
VOLATILES	Butanone, 2-	0.0101	U	U	0.0138	U	U	0.0122	U	U	0.00993	U	U	0.0123	U	U
VOLATILES	Carbon disulfide	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Carbon tetrachloride	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Chlorobenzene	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Chloroethane	0.0101	U	U	0.0138	U	U	0.0122	U	U	0.00993	U	U	0.0123	U	U
VOLATILES	Chloroform	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Chloromethane	0.0101	U	U	0.0138	U	U	0.0122	U	U	0.00993	U	U	0.0123	U	U
VOLATILES	Dibromochloromethane	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloroethane, 1,1-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloroethane, 1,2-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloroethene, 1,1-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloropropane, 1,2-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00504	U	U	0.00688	U	U	0.00611	U	U	0.00496	U	U	0.00615	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B126			TNTA-B126			TNTA-B126			TNTA-B129			TNTA-B131		
LOCATION_CODE		TNTA-SO261			TNTA-SO261			TNTA-SO263			TNTA-SO303			TNTA-SO062		
SAMPLE_NO		AA0474			AA0475			AA0448			AA0452			AA0461		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			26-Sep-00			29-Sep-00		
START_DEPTH		4			8			2			2			4		
END_DEPTH		6			10			3			3			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.24	U	U	1.13	U	U	1.25	U	U	1.15	U	U	1.17	U	U
METALS	Silver	0.744	U	U	0.675	U	U	0.751	U	U	0.69	U	U	0.7	U	U
METALS	Sodium	433			350		B	346		B	156	B	B	175	B	J
METALS	Thallium	2.48	U	U	2.25	U	U	2.5	U	U	2.3	U	U	2.33	U	U
METALS	Vanadium	15.2			16.2			18			11.9			13.8		
METALS	Zinc	30.3			33.8			109			25			104		

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B126			TNTA-B126			TNTA-B126			TNTA-B129			TNTA-B131		
LOCATION_CODE		TNTA-SO261			TNTA-SO261			TNTA-SO263			TNTA-SO303			TNTA-SO062		
SAMPLE_NO		AA0474			AA0475			AA0448			AA0452			AA0461		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			26-Sep-00			29-Sep-00		
START_DEPTH		4			8			2			2			4		
END_DEPTH		6			10			3			3			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.823	U	U	0.757	U	U	0.876	U	U	0.788	U	U	0.778	U	U
SEMIVOLATILES	Pentachlorophenol	0.823	U	U	0.757	U	U	0.876	U	U	0.788	U	U	0.778	U	U
SEMIVOLATILES	Phenanthrene	0.412	U	U	0.379	U	U	0.438	U	U	0.0516	J	J	0.389	U	U
SEMIVOLATILES	Phenol	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Pyrene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
PCBS	Aroclor 1016	0.0413	U	U	0.0378	U	U	0.0438	U	U	0.0395	U	U	0.0385	U	U
PCBS	Aroclor 1221	0.0413	U	U	0.0378	U	U	0.0438	U	U	0.0395	U	U	0.0385	U	U
PCBS	Aroclor 1232	0.0413	U	U	0.0378	U	U	0.0438	U	U	0.0395	U	U	0.0385	U	U
PCBS	Aroclor 1242	0.0413	U	U	0.0378	U	U	0.0438	U	U	0.0395	U	U	0.0385	U	U
PCBS	Aroclor 1248	0.0413	U	U	0.0378	U	U	0.0438	U	U	0.0395	U	U	0.0385	U	U
PCBS	Aroclor 1254	0.0413	U	U	0.0378	U	U	0.0438	U	U	0.0395	U	U	0.0385	U	U
PCBS	Aroclor 1260	0.0826	U	U	0.0756	U	U	0.0174	J	J	0.0486	J	J	0.108		J
METALS	Aluminum	10800		J	11700		J	6690		J	5350		J	5970		
METALS	Antimony	1.49	U	UJ	1.13	B	UJ	1.5	U	UJ	1.38	U	UJ	1.4	U	UJ
METALS	Arsenic	5.29			7.97			5.42		J	3.44			4.09		
METALS	Barium	33.6		J	20.3		J	26.9			20.5		J	27.7		
METALS	Beryllium	0.704			0.641			0.405			0.302			0.448		
METALS	Cadmium	0.744	U	U	0.675	U	U	0.103	B	J	0.69	U	U	0.494	B	J
METALS	Calcium	75800		J	65500		J	7330			5990		J	24300		
METALS	Chromium	20.4			22.2			13.2			7.04			9.93		
METALS	Cobalt	15.2			15.5			4.62			3.62			5.48		
METALS	Copper	17.6			13.2			20.5		J	5.34			9.41		
METALS	Iron	28600			23000			14600			8760			9800		
METALS	Lead	8.47		J	4.76		J	17.4		J	11.1		J	35		
METALS	Magnesium	5000			7500			2060			1480			3030		
METALS	Manganese	873			703			340		J	241			418		
METALS	Mercury	0.041	U	U	0.037	U	U	0.03	J	J	0.038	U	U	0.033	B	J
METALS	Nickel	44.1			44.1			12			9.18			14.8		
METALS	Potassium	2690			2940			727			535			413		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B126			TNTA-B126			TNTA-B126			TNTA-B129			TNTA-B131		
LOCATION_CODE		TNTA-SO261			TNTA-SO261			TNTA-SO263			TNTA-SO303			TNTA-SO062		
SAMPLE_NO		AA0474			AA0475			AA0448			AA0452			AA0461		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			26-Sep-00			29-Sep-00		
START_DEPTH		4			8			2			2			4		
END_DEPTH		6			10			3			3			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dibenzofuran	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.823	U	U	0.757	U	U	0.876	U	U	0.788	U	U	0.778	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Diethyl phthalate	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dimethyl phthalate	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.823	U	U	0.757	U	U	0.876	U	U	0.788	U	U	0.778	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.823	U	U	0.757	U	U	0.876	U	U	0.788	U	U	0.778	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	1.73		
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	1.5		
SEMIVOLATILES	Fluoranthene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Fluorene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Hexachlorobenzene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Hexachloroethane	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Isophorone	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Methylphenol, 2-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Methylphenol, 4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Naphthalene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B126			TNTA-B126			TNTA-B126			TNTA-B129			TNTA-B131		
LOCATION_CODE		TNTA-SO261			TNTA-SO261			TNTA-SO263			TNTA-SO303			TNTA-SO062		
SAMPLE_NO		AA0474			AA0475			AA0448			AA0452			AA0461		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			26-Sep-00			29-Sep-00		
START_DEPTH		4			8			2			2			4		
END_DEPTH		6			10			3			3			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Hexanone, 2-	0.0107	U	U	0.0103	U	U	0.0122	U	U	0.0105	U	U	0.0114	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0107	U	U	0.0103	U	U	0.0122	U	U	0.0105	U	U	0.0114	U	U
VOLATILES	Methylene chloride	0.00972	JB	B	0.00327	JB	B	0.0913	B		0.0053	JB	B	0.00428	JB	B
VOLATILES	Styrene	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Tetrachloroethene	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Toluene	0.0049	J	J	0.00514	U	U	0.0027	J	J	0.00209	J	J	0.00295	J	J
VOLATILES	Trichloroethane, 1,1,1-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Trichloroethene	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Vinyl chloride	0.0107	U	U	0.0103	U	U	0.0122	U	U	0.0105	U	U	0.0114	U	U
VOLATILES	Xylene, o-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Xylenes, m,p-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
SEMIVOLATILES	Acenaphthene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Acenaphthylene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Anthracene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.412	U	U	0.379	U	U	0.438	U	U	0.0386	J	J	0.389	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.0595	J	J
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Carbazole	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.412	U	U	0.379	U	U	0.438	U	U	0.394	U	U	0.389	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B126			TNTA-B126			TNTA-B126			TNTA-B129			TNTA-B131		
LOCATION_CODE		TNTA-SO261			TNTA-SO261			TNTA-SO263			TNTA-SO303			TNTA-SO062		
SAMPLE_NO		AA0474			AA0475			AA0448			AA0452			AA0461		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			26-Sep-00			29-Sep-00		
START_DEPTH		4			8			2			2			4		
END_DEPTH		6			10			3			3			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.087	U	U	0.087	U	U	0.599			0.0952	U	U	2.24		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.087	U	U	0.087	U	U	0.878			0.0952	U	U	1.05		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.087	U	U	0.087	U	U	0.1	U	U	0.0952	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.087	U	U	0.087	U	U	0.114			0.0952	U	U	3.43		
NITROAROMATICS	HMX	0.174	U	U	0.174	U	U	0.2	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.087	U	U	0.087	U	U	0.1	U	U	0.0952	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.174	U	U	0.174	U	U	0.2	U	U	0.19	U	U	0.528		
NITROAROMATICS	Nitrotoluene, 3-	0.174	U	U	0.174	U	U	0.2	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.174	U	U	0.174	U	U	0.2	U	U	0.19	U	U	0.249		
NITROAROMATICS	RDX	0.174	U	U	0.174	U	U	0.2	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.174	U	U	0.174	U	U	0.2	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.087	U	U	0.087	U	U	0.1	U	U	0.0952	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	4.81			259	D		0.72			0.0952	U	U	1.31		
VOLATILES	Acetone	0.00713	J	J	0.0103	U	U	0.00949	J	J	0.02			0.125		
VOLATILES	Benzene	0.00285	J	u	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Bromodichloromethane	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Bromoform	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Bromomethane	0.0107	U	U	0.0103	U	U	0.0122	U	U	0.0105	U	U	0.0114	U	U
VOLATILES	Butanone, 2-	0.0107	U	U	0.0103	U	U	0.0122	U	U	0.0105	U	U	0.0114	U	U
VOLATILES	Carbon disulfide	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00909		
VOLATILES	Carbon tetrachloride	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Chlorobenzene	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Chloroethane	0.0107	U	U	0.0103	U	U	0.0122	U	U	0.0105	U	U	0.0114	U	U
VOLATILES	Chloroform	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Chloromethane	0.0107	U	U	0.0103	U	U	0.0122	U	U	0.0105	U	U	0.0114	U	U
VOLATILES	Dibromochloromethane	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloroethane, 1,1-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloroethane, 1,2-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloroethene, 1,1-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloropropane, 1,2-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00534	U	U	0.00514	U	U	0.00608	U	U	0.00523	U	U	0.00568	U	U

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B116			TNTA-B116			TNTA-B119			TNTA-B119			TNTA-B126		
LOCATION_CODE		TNTA-SO201			TNTA-SO201			TNTA-SO105			TNTA-SO105			TNTA-SO261		
SAMPLE_NO		AA0472			AA0473			AA0440			AA0466			AA0447		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			28-Sep-00			25-Sep-00		
START_DEPTH		4			8			2			4			1_5		
END_DEPTH		6			10			3			6			2_5		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.24	U	U	1.16	U	U	1.15	B	J	0.97	B	J	1.24	U	U
METALS	Silver	0.744	U	U	0.696	U	U	0.712	U	U	0.702	U	U	0.745	U	U
METALS	Sodium	244	B	B	454			191	B	B	182	B	J	381		B
METALS	Thallium	2.48	U	U	2.32	U	U	2.37	U	U	2.34	U	U	2.48	U	U
METALS	Vanadium	14.2			16.9			6.54			16.2			19.3		
METALS	Zinc	29.4			56.3			12.8			27.5			41.5		

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B116			TNTA-B116			TNTA-B119			TNTA-B119			TNTA-B126		
LOCATION_CODE		TNTA-SO201			TNTA-SO201			TNTA-SO105			TNTA-SO105			TNTA-SO261		
SAMPLE_NO		AA0472			AA0473			AA0440			AA0466			AA0447		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			28-Sep-00			25-Sep-00		
START_DEPTH		4			8			2			4			1_5		
END_DEPTH		6			10			3			6			2_5		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.827	U	U	0.812	U	U	8.02	U	U	8.11	U	U	0.852	U	U
SEMIVOLATILES	Pentachlorophenol	0.827	U	U	0.812	U	U	8.02	U	U	8.11	U	U	0.852	U	U
SEMIVOLATILES	Phenanthrene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Phenol	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Pyrene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
PCBS	Aroclor 1016	0.0413	U	U	0.0406	U	U	0.807	U	U	0.0403	U	U	0.0426	U	U
PCBS	Aroclor 1221	0.0413	U	U	0.0406	U	U	0.807	U	U	0.0403	U	U	0.0426	U	U
PCBS	Aroclor 1232	0.0413	U	U	0.0406	U	U	0.807	U	U	0.0403	U	U	0.0426	U	U
PCBS	Aroclor 1242	0.0413	U	U	0.0406	U	U	0.807	U	U	0.0403	U	U	0.0426	U	U
PCBS	Aroclor 1248	0.0413	U	U	0.0406	U	U	0.807	U	U	0.0403	U	U	0.0426	U	U
PCBS	Aroclor 1254	0.0413	U	U	0.0406	U	U	0.807	U	U	0.0403	U	U	0.0426	U	U
PCBS	Aroclor 1260	0.0827	U	U	0.0812	U	U	5.55	D	J	0.113			0.346		J
METALS	Aluminum	7120		J	11900		J	1090		J	3170			9000		J
METALS	Antimony	1.49	U	UJ	1.39	U	UJ	1.31	B	J	1.78		J	1.49	U	UJ
METALS	Arsenic	3.03			7.31			5.89			12.6			6.01		J
METALS	Barium	26.5		J	15.9		J	109		J	66.6			67.3		
METALS	Beryllium	0.438			0.646			0.166	B	J	0.372			0.671		
METALS	Cadmium	0.744	U	U	0.696	U	U	0.712	U	U	0.702	U	U	0.745	U	U
METALS	Calcium	4060		J	56900		J	1700		J	1600			57200		
METALS	Chromium	9.62			22.7			3.09			7.01			14.3		
METALS	Cobalt	5.32			19			0.803	B	J	5.88			9.9		
METALS	Copper	5.28			13.4			7.11			26.5			14.3		J
METALS	Iron	10100			21800			6060			15000			22000		
METALS	Lead	7.17		J	4.11		J	1660		J	257			19.4		J
METALS	Magnesium	1420			7820			235			721			3320		
METALS	Manganese	256			563			26.7			47.4			1370		J
METALS	Mercury	0.027	B	B	0.035	U	U	0.049		B	0.067			0.022	J	J
METALS	Nickel	12			50.7			3.26			21.4			25.5		
METALS	Potassium	665			2770			678			1560			1700		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B116			TNTA-B116			TNTA-B119			TNTA-B119			TNTA-B126		
LOCATION_CODE		TNTA-SO201			TNTA-SO201			TNTA-SO105			TNTA-SO105			TNTA-SO261		
SAMPLE_NO		AA0472			AA0473			AA0440			AA0466			AA0447		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			28-Sep-00			25-Sep-00		
START_DEPTH		4			8			2			4			1_5		
END_DEPTH		6			10			3			6			2_5		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dibenzofuran	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.827	U	U	0.812	U	U	8.02	U	U	8.11	U	U	0.852	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Diethyl phthalate	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dimethyl phthalate	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.827	U	U	0.812	U	U	8.02	U	U	8.11	U	U	0.852	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.827	U	U	0.812	U	U	8.02	U	U	8.11	U	U	0.852	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.413	U	U	0.406	U	U				30.2			0.48		
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.413	U	U	0.406	U	U	61.8			5.01			0.0622	J	J
SEMIVOLATILES	Fluoranthene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Fluorene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Hexachlorobenzene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Hexachloroethane	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Isophorone	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Methylphenol, 2-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Methylphenol, 4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Naphthalene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U

Soil Data Summary Report
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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B116			TNTA-B116			TNTA-B119			TNTA-B119			TNTA-B126		
LOCATION_CODE		TNTA-SO201			TNTA-SO201			TNTA-SO105			TNTA-SO105			TNTA-SO261		
SAMPLE_NO		AA0472			AA0473			AA0440			AA0466			AA0447		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			28-Sep-00			25-Sep-00		
START_DEPTH		4			8			2			4			1_5		
END_DEPTH		6			10			3			6			2_5		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Hexanone, 2-	0.0107	U	U	0.00937	U	U	0.0109	U	U	0.0109	U	U	0.0164	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0107	U	U	0.00937	U	U	0.0109	U	U	0.0109	U	U	0.0164	U	U
VOLATILES	Methylene chloride	0.00907	JB	B	0.00611	JB	B	0.00727	JB	B	0.00264	J	B	0.0629	B	
VOLATILES	Styrene	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Tetrachloroethene	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Toluene	0.00537	U	U	0.0032	J	J	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Trichloroethene	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Vinyl chloride	0.0107	U	U	0.00937	U	U	0.0109	U	U	0.0109	U	U	0.0164	U	U
VOLATILES	Xylene, o-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Xylenes, m,p-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
SEMIVOLATILES	Acenaphthene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Acenaphthylene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Anthracene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Carbazole	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.413	U	U	0.406	U	U	4.01	U	U	4.05	U	U	0.426	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B116			TNTA-B116			TNTA-B119			TNTA-B119			TNTA-B126		
LOCATION_CODE		TNTA-SO201			TNTA-SO201			TNTA-SO105			TNTA-SO105			TNTA-SO261		
SAMPLE_NO		AA0472			AA0473			AA0440			AA0466			AA0447		
SAMPLE_DATE		26-Sep-00			26-Sep-00			25-Sep-00			28-Sep-00			25-Sep-00		
START_DEPTH		4			8			2			4			1_5		
END_DEPTH		6			10			3			6			2_5		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.0915			0.1	U	U	9.91			10.6			0.358		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.358			0.1	U	U	0.1	U	U	33.6			0.467		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0909	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.0909	U	U	0.133			275	D		356			0.1	U	U
NITROAROMATICS	HMX	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.0909	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.0713	J	J
NITROAROMATICS	Nitrotoluene, 2-	0.182	U	U	0.2	U	U	27.1			582			0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.182	U	U	0.2	U	U	5.43			59			0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.182	U	U	0.2	U	U	3.54			484			0.2	U	U
NITROAROMATICS	RDX	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.0909	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.0875	J	J	0.169			21			0.817			62.8	D	D
VOLATILES	Acetone	0.0127			0.00937	U	U	0.0291			0.0437			0.08		J
VOLATILES	Benzene	0.00537	U	U	0.0026	J	J	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Bromodichloromethane	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Bromoform	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Bromomethane	0.0107	U	U	0.00937	U	U	0.0109	U	U	0.0109	U	U	0.0164	U	U
VOLATILES	Butanone, 2-	0.0107	U	U	0.00937	U	U	0.0109	U	U	0.0109	U	U	0.0164	U	U
VOLATILES	Carbon disulfide	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.00267	J	J
VOLATILES	Carbon tetrachloride	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Chlorobenzene	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Chloroethane	0.0107	U	U	0.00937	U	U	0.0109	U	U	0.0109	U	U	0.0164	U	U
VOLATILES	Chloroform	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Chloromethane	0.0107	U	U	0.00937	U	U	0.0109	U	U	0.0109	U	U	0.0164	U	U
VOLATILES	Dibromochloromethane	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloroethane, 1,1-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloroethane, 1,2-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloroethene, 1,1-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloropropane, 1,2-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00537	U	U	0.00468	U	U	0.00543	U	U	0.00547	U	U	0.0082	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B116		
LOCATION_CODE		TNTA-SO128			TNTA-SO128			TNTA-SO128			TNTA-SO409			TNTA-SO196		
SAMPLE_NO		AA0445			AA0470			AA0471			AA0481			AA0446		
SAMPLE_DATE		25-Sep-00			28-Sep-00			28-Sep-00			11-Oct-00			25-Sep-00		
START_DEPTH		1_5			4			8			_5			1		
END_DEPTH		2_5			6			10			1_5			2		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.07	U	U	1.11	U	U	1.19	U	U	1.09	U	U	1.2	U	U
METALS	Silver	0.64	U	U	0.668	U	U	0.714	U	U	0.655	U	U	0.717	U	U
METALS	Sodium	99.6	B	B	96.3	B	B	231	B	B	181	B	J	113	B	B
METALS	Thallium	2.13	U	U	2.23	U	U	2.38	U	U	2.18	U	U	2.39	U	U
METALS	Vanadium	11.3			11.4			16.8			13.8			17.9		
METALS	Zinc	20.8			25.2			38.3			178		J	214		

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GROUP_NAME		TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B116		
LOCATION_CODE		TNTA-SO128			TNTA-SO128			TNTA-SO128			TNTA-SO409			TNTA-SO196		
SAMPLE_NO		AA0445			AA0470			AA0471			AA0481			AA0446		
SAMPLE_DATE		25-Sep-00			28-Sep-00			28-Sep-00			11-Oct-00			25-Sep-00		
START_DEPTH		1_5			4			8			_5			1		
END_DEPTH		2_5			6			10			1_5			2		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.732	U	U	0.742	U	U	0.817	U	U	0.733	U	U	0.831	U	U
SEMIVOLATILES	Pentachlorophenol	0.732	U	U	0.742	U	U	0.817	U	U	0.733	U	U	0.831	U	U
SEMIVOLATILES	Phenanthrene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Phenol	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Pyrene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
PCBS	Aroclor 1016	0.0366	U	U	0.0371	U	U	0.0408	U	U	0.184	U	U	0.0415	U	U
PCBS	Aroclor 1221	0.0366	U	U	0.0371	U	U	0.0408	U	U	0.184	U	U	0.0415	U	U
PCBS	Aroclor 1232	0.0366	U	U	0.0371	U	U	0.0408	U	U	0.184	U	U	0.0415	U	U
PCBS	Aroclor 1242	0.0366	U	U	0.0371	U	U	0.0408	U	U	0.184	U	U	0.0415	U	U
PCBS	Aroclor 1248	0.0366	U	U	0.0371	U	U				0.184	U	U	0.0415	U	U
PCBS	Aroclor 1254	0.0366	U	U	0.0371	U	U	0.0408	U	U	0.184	U	U	0.0415	U	U
PCBS	Aroclor 1260	0.0352	J	J	0.0448	J	J	0.0817	U	U	1.34		J	0.00862	J	J
METALS	Aluminum	2980		J	4490		J	4730		J	5000			6820		J
METALS	Antimony	1.28	U	UJ	1.34	U	U	1.43	U	U	1.02	B	B	1.44	U	UJ
METALS	Arsenic	2.21		J	2.34			7.59			4.95			8.59		J
METALS	Barium	19			23.8			14.5			29.8			27.8		
METALS	Beryllium	0.16	B	J	0.269			0.305			0.344			0.45		
METALS	Cadmium	0.64	U	U	0.668	U	U	0.714	U	U	0.719			0.131	B	J
METALS	Calcium	1260			1250			2240			4610		J	5150		
METALS	Chromium	5.51			6.29			7.23			8.09		J	19.9		
METALS	Cobalt	1.54			1.54			3.8			2.87			9.1		
METALS	Copper	5.92		J	5.82			8.14			10.2			8.3		J
METALS	Iron	7820			7420			10500			11000			21900		
METALS	Lead	26.5		J	15.4			4.91		B	254		J	7.24		J
METALS	Magnesium	598			695			1150			1350		J	2040		
METALS	Manganese	86.9		J	107			217			240			220		J
METALS	Mercury	0.035	U	U	0.021	B	J	0.038	U	U	0.042		J	0.04	U	U
METALS	Nickel	4.27			4.98			9.48			8.88			18.3		
METALS	Potassium	348			334			635			393		J	939		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B116		
LOCATION_CODE		TNTA-SO128			TNTA-SO128			TNTA-SO128			TNTA-SO409			TNTA-SO196		
SAMPLE_NO		AA0445			AA0470			AA0471			AA0481			AA0446		
SAMPLE_DATE		25-Sep-00			28-Sep-00			28-Sep-00			11-Oct-00			25-Sep-00		
START_DEPTH		1_5			4			8			_5			1		
END_DEPTH		2_5			6			10			1_5			2		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dibenzofuran	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.732	U	U	0.742	U	U	0.817	U	U	0.733	U	U	0.831	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Diethyl phthalate	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dimethyl phthalate	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.732	U	U	0.742	U	U	0.817	U	U	0.733	U	U	0.831	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.732	U	U	0.742	U	U	0.817	U	U	0.733	U	U	0.831	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.366	U	U	0.371	U	U	0.831			0.366	U	U	0.415	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.366	U	U	0.371	U	U	0.248	J	J	0.366	U	U	0.415	U	U
SEMIVOLATILES	Fluoranthene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Fluorene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Hexachlorobenzene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Hexachloroethane	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Isophorone	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Methylphenol, 2-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	UJ	0.415	U	U
SEMIVOLATILES	Methylphenol, 4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Naphthalene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	UJ	0.415	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B116		
LOCATION_CODE		TNTA-SO128			TNTA-SO128			TNTA-SO128			TNTA-SO409			TNTA-SO196		
SAMPLE_NO		AA0445			AA0470			AA0471			AA0481			AA0446		
SAMPLE_DATE		25-Sep-00			28-Sep-00			28-Sep-00			11-Oct-00			25-Sep-00		
START_DEPTH		1_5			4			8			_5			1		
END_DEPTH		2_5			6			10			1_5			2		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Hexanone, 2-	0.0107	U	U	0.0121	U	U	0.0117	U	U	0.00957	U	U	0.0114	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0107	U	U	0.0121	U	U	0.0117	U	U	0.00957	U	U	0.0114	U	U
VOLATILES	Methylene chloride	0.0323	B	B	0.00878	B	B	0.00392	JB	B	0.00917	B	B	0.0805	B	
VOLATILES	Styrene	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Tetrachloroethene	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Toluene	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Trichloroethene	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Vinyl chloride	0.0107	U	U	0.0121	U	U	0.0117	U	U	0.00957	U	U	0.0114	U	U
VOLATILES	Xylene, o-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Xylenes, m,p-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
SEMIVOLATILES	Acenaphthene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Acenaphthylene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Anthracene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.0424	J	J
SEMIVOLATILES	Benzo(b)fluoranthene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.366	U	U	0.371	U	U	0.409	U	U	0.0355	J	J	0.415	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Carbazole	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.366	U	U	0.371	U	U	0.409	U	U	0.366	U	U	0.415	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B112			TNTA-B116		
LOCATION_CODE		TNTA-SO128			TNTA-SO128			TNTA-SO128			TNTA-SO409			TNTA-SO196		
SAMPLE_NO		AA0445			AA0470			AA0471			AA0481			AA0446		
SAMPLE_DATE		25-Sep-00			28-Sep-00			28-Sep-00			11-Oct-00			25-Sep-00		
START_DEPTH		1_5			4			8			_5			1		
END_DEPTH		2_5			6			10			1_5			2		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	1.78			3.96			1.62			0.739			0.1	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	1.24			1.18			2.43			0.59			0.1	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0952	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.0952	U	U	0.549			0.645			0.1	U	U	0.188		
NITROAROMATICS	HMX	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.0952	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.19	U	U	0.276			0.235			0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.19	U	U	0.823			0.335			0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.19	U	U	0.555			0.278			0.2	U	U	0.2	U	U
NITROAROMATICS	RDX	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.0952	U	U	0.1	U	U	0.562			0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	3.99			7.89			8.57			0.704			0.1	U	U
VOLATILES	Acetone	0.0217			0.0314		J	0.051		J	0.0134		J	0.0242		
VOLATILES	Benzene	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Bromodichloromethane	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Bromoform	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Bromomethane	0.0107	U	U	0.0121	U	U	0.0117	U	U	0.00957	U	U	0.0114	U	U
VOLATILES	Butanone, 2-	0.0107	U	U	0.0121	U	U	0.0117	U	U	0.00957	U	U	0.0114	U	U
VOLATILES	Carbon disulfide	0.00533	U	U	0.00185	J	J	0.00287	J	J	0.00479	U	U	0.00324	J	J
VOLATILES	Carbon tetrachloride	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Chlorobenzene	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Chloroethane	0.0107	U	U	0.0121	U	U	0.0117	U	U	0.00957	U	U	0.0114	U	U
VOLATILES	Chloroform	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Chloromethane	0.0107	U	U	0.0121	U	U	0.0117	U	U	0.00957	U	U	0.0114	U	U
VOLATILES	Dibromochloromethane	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloroethane, 1,1-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloroethane, 1,2-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloroethene, 1,1-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloropropane, 1,2-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00533	U	U	0.00606	U	U	0.00583	U	U	0.00479	U	U	0.00572	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B111			TNTA-B111			TNTA-B111			TNTA-B112			TNTA-B112		
LOCATION_CODE			TNTA-SO111			TNTA-SO111			TNTA-SO111			TNTA-SO123			TNTA-SO123		
SAMPLE_NO			AA0441			AA0468			AA0469			AA0442			AA0443		
SAMPLE_DATE			22-Sep-00			28-Sep-00			28-Sep-00			22-Sep-00			22-Sep-00		
START_DEPTH			1			4			8			2			2		
END_DEPTH			2			6			10			3			3		
SAMPLE_PURPOSE			REG			REG			REG			REG			FD		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	mg/kg	1.1	U	U	1.24	U	U	1.24	U	U	1.01	U	U	1	U	U
METALS	Silver	mg/kg	0.66	U	U	0.742	U	U	0.746	U	U	0.605	U	U	0.602	U	U
METALS	Sodium	mg/kg	217	B	B	140	B	B	145	B	B	249		B	238		B
METALS	Thallium	mg/kg	2.2	U	U	2.47	U	U	2.49	U	U	2.12	U	U	1.97	U	U
METALS	Vanadium	mg/kg	16.1			15.8			18.2			14.7			14.1		
METALS	Zinc	mg/kg	148		J	36.5			29			241		J	238		J

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B111			TNTA-B111			TNTA-B111			TNTA-B112			TNTA-B112	
LOCATION_CODE			TNTA-SO111			TNTA-SO111			TNTA-SO111			TNTA-SO123			TNTA-SO123	
SAMPLE_NO			AA0441			AA0468			AA0469			AA0442			AA0443	
SAMPLE_DATE			22-Sep-00			28-Sep-00			28-Sep-00			22-Sep-00			22-Sep-00	
START_DEPTH			1			4			8			2			2	
END_DEPTH			2			6			10			3			3	
SAMPLE_PURPOSE			REG			REG			REG			REG			FD	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Nitrophenol, 2-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Nitrophenol, 4-	mg/kg	0.748	U	U	0.866	U	U	0.824	U	U	0.706	U	U	0.702	U	U
SEMIVOLATILES	Pentachlorophenol	mg/kg	0.748	U	U	0.866	U	U	0.824	U	U	0.706	U	U	0.702	U	U
SEMIVOLATILES	Phenanthrene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Phenol	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Pyrene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
PCBS	Aroclor 1016	mg/kg	0.0374	U	U	0.0433	U	U	0.0415	U	U	0.0353	U	U	0.0702	U	U
PCBS	Aroclor 1221	mg/kg	0.0374	U	U	0.0433	U	U	0.0415	U	U	0.0353	U	U	0.0702	U	U
PCBS	Aroclor 1232	mg/kg	0.0374	U	U	0.0433	U	U	0.0415	U	U	0.0353	U	U	0.0702	U	U
PCBS	Aroclor 1242	mg/kg	0.0374	U	U	0.0433	U	U	0.0415	U	U	0.0353	U	U	0.0702	U	U
PCBS	Aroclor 1248	mg/kg	0.0374	U	U	0.0433	U	U	0.0415	U	U	0.0353	U	U	0.0702	U	U
PCBS	Aroclor 1254	mg/kg	0.0374	U	U	0.0433	U	U	0.0415	U	U	0.0353	U	U	0.0702	U	U
PCBS	Aroclor 1260	mg/kg	0.133		J	0.0125	J	J	0.0829	U	U	0.507		J	0.467		
METALS	Aluminum	mg/kg	5530		J	5670		J	6630		J	4660		J	4420		J
METALS	Antimony	mg/kg	1.38		B	1.48	U	U	1.49	U	U	1.21	U	UJ	3.32		UJ
METALS	Arsenic	mg/kg	4.11		J	4.23			3.27			3.71		J	3.2		J
METALS	Barium	mg/kg	33.5		J	26.6			23			24.6		J	40.9		J
METALS	Beryllium	mg/kg	0.226			0.346			0.398			0.179	B		0.181	B	
METALS	Cadmium	mg/kg	0.518	B	B	0.131	B	J	0.746	U	U	1.15			1.2		
METALS	Calcium	mg/kg	4080		J	3200			1770			13600		J	12900		J
METALS	Chromium	mg/kg	10.8		J	8.4			9.31			7.52		J	7.76		J
METALS	Cobalt	mg/kg	2.82			2.97			3.64			3.05			2.87		
METALS	Copper	mg/kg	18.4		J	5.52			4.9			8.26		J	7.43		J
METALS	Iron	mg/kg	10400			9140			10000			9280			8700		
METALS	Lead	mg/kg	122		J	21.7			9.55			115		J	122		J
METALS	Magnesium	mg/kg	1090		J	990			920			3350		J	3210		J
METALS	Manganese	mg/kg	230		J	124			132			218		J	203		J
METALS	Mercury	mg/kg	0.077			0.043	U	U	0.022	B	J	0.049			0.049		
METALS	Nickel	mg/kg	7.42			7.88			8.67			8.96			8.11		
METALS	Potassium	mg/kg	481			393			425			572			537		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B111			TNTA-B111			TNTA-B111			TNTA-B112			TNTA-B112		
LOCATION_CODE			TNTA-SO111			TNTA-SO111			TNTA-SO111			TNTA-SO123			TNTA-SO123		
SAMPLE_NO			AA0441			AA0468			AA0469			AA0442			AA0443		
SAMPLE_DATE			22-Sep-00			28-Sep-00			28-Sep-00			22-Sep-00			22-Sep-00		
START_DEPTH			1			4			8			2			2		
END_DEPTH			2			6			10			3			3		
SAMPLE_PURPOSE			REG			REG			REG			REG			FD		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Di-n-butyl phthalate	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Di-n-octyl phthalate	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dibenzofuran	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	mg/kg	0.748	U	U	0.866	U	U	0.824	U	U	0.706	U	U	0.702	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Diethyl phthalate	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dimethyl phthalate	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	mg/kg	0.748	U	U	0.866	U	U	0.824	U	U	0.706	U	U	0.702	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	mg/kg	0.748	U	U	0.866	U	U	0.824	U	U	0.706	U	U	0.702	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.374	U	U	0.558			0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	0.374	U	U	0.208	J	J	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Fluoranthene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Fluorene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Hexachlorobenzene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Hexachlorobutadiene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	mg/kg	0.374	U	UJ	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Hexachloroethane	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Isophorone	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Methylphenol, 2-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Methylphenol, 4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Naphthalene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Nitroaniline, 2-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Nitroaniline, 3-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Nitroaniline, 4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B111			TNTA-B111			TNTA-B111			TNTA-B112			TNTA-B112		
LOCATION_CODE			TNTA-SO111			TNTA-SO111			TNTA-SO111			TNTA-SO123			TNTA-SO123		
SAMPLE_NO			AA0441			AA0468			AA0469			AA0442			AA0443		
SAMPLE_DATE			22-Sep-00			28-Sep-00			28-Sep-00			22-Sep-00			22-Sep-00		
START_DEPTH			1			4			8			2			2		
END_DEPTH			2			6			10			3			3		
SAMPLE_PURPOSE			REG			REG			REG			REG			FD		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Hexanone, 2-	mg/kg	0.0123	U	U	0.0148	U	U	0.0121	U	U	0.0107	U	U	0.0124	U	U
VOLATILES	Methyl-2-pentanone, 4-	mg/kg	0.0123	U	U	0.0148	U	U	0.0121	U	U	0.0107	U	U	0.0124	U	U
VOLATILES	Methylene chloride	mg/kg	0.00398	J	B	0.00714	JB	B	0.00612	B	B	0.00376	J	B	0.00353	J	B
VOLATILES	Styrene	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Tetrachloroethene	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Toluene	mg/kg	0.00616	U	U	0.013		J	0.00196	J	J	0.00534	U	U	0.00621	U	U
VOLATILES	Trichloroethane, 1,1,1-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Trichloroethane, 1,1,2-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Trichloroethene	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Vinyl chloride	mg/kg	0.0123	U	U	0.0148	U	U	0.0121	U	U	0.0107	U	U	0.0124	U	U
VOLATILES	Xylene, o-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Xylenes, m,p-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
SEMIVOLATILES	Acenaphthene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Acenaphthylene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Anthracene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Benzo(a)anthracene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Benzo(a)pyrene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Benzo(ghi)perylene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	mg/kg	0.374	U	U	0.026	J	J	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Butyl benzyl phthalate	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Carbazole	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Chloroaniline, 4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Chlorophenol, 2-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	mg/kg	0.374	U	U	0.433	U	U	0.412	U	U	0.353	U	U	0.351	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B111			TNTA-B111			TNTA-B111			TNTA-B112			TNTA-B112	
LOCATION_CODE			TNTA-SO111			TNTA-SO111			TNTA-SO111			TNTA-SO123			TNTA-SO123	
SAMPLE_NO			AA0441			AA0468			AA0469			AA0442			AA0443	
SAMPLE_DATE			22-Sep-00			28-Sep-00			28-Sep-00			22-Sep-00			22-Sep-00	
START_DEPTH			1			4			8			2			2	
END_DEPTH			2			6			10			3			3	
SAMPLE_PURPOSE			REG			REG			REG			REG			FD	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	0.1	U	U	0.373			0.0952	U	U	0.0952	U	U	0.0909	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.1	U	U	0.1	U	U	0.0952	U	U	0.0952	U	U	0.0909	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.1	U	U	0.1	U	U	0.0952	U	U	0.0952	U	U	0.0909	U	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.1	U	U	3.14			0.17			0.0952	U	U	0.0909	U	U
NITROAROMATICS	HMX	mg/kg	0.2	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.182	U	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.1	U	U	0.0778	J	J	0.0952	U	U	0.0952	U	U	0.0909	U	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.2	U	U	1.41			0.38			0.19	U	U	0.182	U	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.2	U	U	0.476			0.19	U	U	0.19	U	U	0.182	U	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.2	U	U	0.376			0.423			0.19	U	U	0.182	U	U
NITROAROMATICS	RDX	mg/kg	0.2	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.182	U	U
NITROAROMATICS	Tetryl	mg/kg	0.2	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.182	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.1	U	U	0.1	U	U	0.0952	U	U	0.0952	U	U	0.0909	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.1	U	U	0.213			0.0952	U	U	0.0952	U	U	0.0909	U	U
VOLATILES	Acetone	mg/kg	0.0582			0.0148	U	R	0.0221		J	0.114			0.0534		
VOLATILES	Benzene	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Bromodichloromethane	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Bromoform	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Bromomethane	mg/kg	0.0123	U	U	0.0148	U	U	0.0121	U	U	0.0107	U	U	0.0124	U	U
VOLATILES	Butanone, 2-	mg/kg	0.0098	J	J	0.0148	U	U	0.0121	U	U	0.0107	U	U	0.0124	U	U
VOLATILES	Carbon disulfide	mg/kg	0.00616	U	U	0.00741	U	U	0.00917			0.00218	J	J	0.00621	U	U
VOLATILES	Carbon tetrachloride	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Chlorobenzene	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Chloroethane	mg/kg	0.0123	U	U	0.0148	U	U	0.0121	U	U	0.0107	U	U	0.0124	U	U
VOLATILES	Chloroform	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Chloromethane	mg/kg	0.0123	U	U	0.0148	U	U	0.0121	U	U	0.0107	U	U	0.0124	U	U
VOLATILES	Dibromochloromethane	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloroethane, 1,1-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloroethane, 1,2-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloroethene, 1,1-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloroethene, cis-1,2-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloroethene, trans-1,2-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloropropane, 1,2-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloropropene, cis-1,3-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U
VOLATILES	Dichloropropene, trans-1,3-	mg/kg	0.00616	U	U	0.00741	U	U	0.00604	U	U	0.00534	U	U	0.00621	U	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B195		TNTA-B195	
LOCATION_CODE			TNTA-SO252		TNTA-SO387	
SAMPLE_NO			AA0252		AA0387	
SAMPLE_DATE			16-Aug-00		13-Sep-00	
START.DEPTH			1.5		4	
END.DEPTH			2.5		6	
SAMPLE_PURPOSE			SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	221	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	197	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.637	
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.114	J
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	229	

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B195		TNTA-B195		TNTA-B195		TNTA-B195		TNTA-B195	
LOCATION_CODE			TNTA-SO246		TNTA-SO247		TNTA-SO248		TNTA-SO249		TNTA-SO250		TNTA-SO251	
SAMPLE_NO			AA0246		AA0247		AA0248		AA0249		AA0250		AA0251	
SAMPLE_DATE			16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00	
START.DEPTH			0.75		0.75		1		0.75		1		1	
END.DEPTH			2		1.75		2		1.75		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.128	J	0.217	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.119	J	0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.198	J	0.132	J	0.15	J	0.217	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.123	J	0.217	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B195		TNTA-B195		TNTA-B195		TNTA-B195		TNTA-B195	
LOCATION_CODE			TNTA-SO013		TNTA-SO014		TNTA-SO015		TNTA-SO243		TNTA-SO244		TNTA-SO245	
SAMPLE_NO			AA0013		AA0014		AA0015		AA0243		AA0244		AA0245	
SAMPLE_DATE			21-Jul-00		21-Jul-00		21-Jul-00		16-Aug-00		16-Aug-00		16-Aug-00	
START.DEPTH			1		2		1.5		1.5		1		1.5	
END.DEPTH			2		3		2.5		2.5		2		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.289		0.218		0.363		0.238	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.227	U	0.216		0.2	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.227	U	0.179	U	0.2	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.262		0.229		0.866		0.458		0.25	U	0.217	J
NITROAROMATICS	HMX	mg/kg	0.455	U	0.357	U	0.4	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.227	U	0.179	U	0.2	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.455	U	0.357	U	0.4	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.455	U	0.357	U	0.4	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.227	U	0.179	U	0.2	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.455	U	0.357	U	0.4	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.455	U	0.357	U	0.4	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.227	U	0.179	U	0.2	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.285		0.179	U	0.471		0.238	U	0.25	U	0.25	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B192		TNTA-B192		TNTA-B195		TNTA-B195		TNTA-B195		TNTA-B195	
LOCATION_CODE			TNTA-SO359		TNTA-SO385		TNTA-SO009		TNTA-SO010		TNTA-SO011		TNTA-SO012	
SAMPLE_NO			AA0359		AA0385		AA0009		AA0010		AA0011		AA0012	
SAMPLE_DATE			22-Sep-00		13-Sep-00		21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00	
START.DEPTH			1.5		2		2		2		0.5		0.5	
END.DEPTH			2.5		4		3		3		1.5		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	758		0.238	U	0.238	U	0.238	U	1.54	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.238	U	0.238	U	0.238	U	0.238	U	0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	1.74		0.238	U	0.238	U	0.238	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	598		1953		0.238	U	0.238	U	0.238	U	514	
NITROAROMATICS	HMX	mg/kg	0.476	U	0.476	U	0.476	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.156	J	0.238	U	0.238	U	0.238	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.476	U	0.476	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	4.51		0.476	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.476	U	0.238	U	0.238	U	0.238	U	0.217	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.476	U	0.476	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	2.12		0.476	U	0.476	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.547		0.238	U	0.238	U	0.238	U	0.106	J
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	798		0.238	U	0.238	U	0.238	U	0.217	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192	
LOCATION_CODE			TNTA-SO280		TNTA-SO354		TNTA-SO355		TNTA-SO356		TNTA-SO357		TNTA-SO358
SAMPLE_NO			AA0280		AA0354		AA0355		AA0356		AA0357		AA0358
SAMPLE_DATE			16-Aug-00		22-Sep-00		22-Sep-00		22-Sep-00		22-Sep-00		22-Sep-00
START.DEPTH			2		1.5		1.5		1.5		1.5		1.5
END.DEPTH			3		2.5		2.5		2.5		2.5		2.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	25.9		0.25	U	0.238	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.238	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.238	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	54.9		0.25	U	0.12	J	0.324		0.178	J	0.47	
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.476	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.238	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.476	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.476	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.5	U	0.476	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.476	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.976		0.5	U	0.476	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.238	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.238	U	0.238	U	0.25	U	0.238	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192	
LOCATION_CODE			TNTA-SO274		TNTA-SO275		TNTA-SO276		TNTA-SO277		TNTA-SO278		TNTA-SO279
SAMPLE_NO			AA0274		AA0275		AA0276		AA0277		AA0278		AA0279
SAMPLE_DATE			16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00
START.DEPTH			2		1		1.5		2		1		2
END.DEPTH			3		2		2.5		3		1.75		3
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.227	U	0.146	J	192		0.3		933	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.227	U	0.25	U	0.313		0.25	U	1.22	
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.245		0.885		996		4.14		1027	
NITROAROMATICS	HMX	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	2.23	
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.227	U	0.25	U	0.506		0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	30.1	
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	9.9	
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	7.35	
NITROAROMATICS	RDX	mg/kg	0.476	U	0.455	U	0.5	U	0.302	J	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	4.38	
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.227	U	0.25	U	0.273		0.25	U	0.872	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.227	U	0.25	U	138		0.25	U	666	

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192	
LOCATION_CODE			TNTA-SO159		TNTA-SO160		TNTA-SO161		TNTA-SO271		TNTA-SO272		TNTA-SO273	
SAMPLE_NO			AA0159		AA0160		AA0161		AA0271		AA0272		AA0273	
SAMPLE_DATE			22-Jul-00		22-Jul-00		22-Jul-00		16-Aug-00		16-Aug-00		16-Aug-00	
START.DEPTH			1.5		1.5		1.5		1.6		2		2	
END.DEPTH			2.5		2.5		2.5		2.6		3		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.192	U	0.227	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.192	U	0.227	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.192	U	0.227	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.192	U	0.451		0.737		1.4		0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.385	U	0.455	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.192	U	0.227	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.385	U	0.455	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.385	U	0.455	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.192	U	0.227	U	0.227	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.385	U	0.455	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.385	U	0.455	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.192	U	0.227	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.192	U	0.227	U	0.227	U	0.25	U	0.25	U	0.25	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192		TNTA-B192	
LOCATION_CODE			TNTA-SO067		TNTA-SO068		TNTA-SO069		TNTA-SO070		TNTA-SO071		TNTA-SO072	
SAMPLE_NO			AA0067		AA0068		AA0069		AA0070		AA0071		AA0072	
SAMPLE_DATE			22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00	
START.DEPTH			1.5		1.3		1		1.6		1.5		1.5	
END.DEPTH			2.5		2.3		2		2.6		2.5		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.227	U	0.227	U	0.2	U	0.25	U	0.192	U	0.179	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.227	U	0.227	U	0.2	U	0.25	U	0.192	U	0.179	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.227	U	0.227	U	0.2	U	0.25	U	0.192	U	0.179	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.277		0.248		0.306		0.157	U	0.434		0.158	U
NITROAROMATICS	HMX	mg/kg	0.455	U	0.455	U	0.4	U	0.5	U	0.385	U	0.357	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.227	U	0.227	U	0.2	U	0.25	U	0.192	U	0.179	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.455	U	0.455	U	0.4	U	0.5	U	0.385	U	0.357	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.455	U	0.455	U	0.4	U	0.5	U	0.385	U	0.357	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.227	U	0.227	U	0.2	U	0.25	U	0.192	U	0.179	U
NITROAROMATICS	RDX	mg/kg	0.455	U	0.455	U	0.4	U	0.5	U	0.385	U	0.357	U
NITROAROMATICS	Tetryl	mg/kg	0.455	U	0.455	U	0.4	U	0.5	U	0.451		0.357	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.227	U	0.227	U	0.2	U	0.25	U	0.192	U	0.179	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.227	U	0.227	U	0.2	U	0.25	U	0.192	U	0.179	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B187		TNTA-B187		TNTA-B187		TNTA-B187		TNTA-B187		TNTA-B192	
LOCATION_CODE			TNTA-SO154		TNTA-SO155		TNTA-SO156		TNTA-SO157		TNTA-SO158		TNTA-SO066	
SAMPLE_NO			AA0154		AA0155		AA0156		AA0157		AA0158		AA0066	
SAMPLE_DATE			20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		22-Jul-00	
START.DEPTH			0.5		0.5		0.5		0.5		0		1.5	
END.DEPTH			1.5		1.5		1		1		1		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.217	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.33	
NITROAROMATICS	HMX	mg/kg	0.435	U	0.5	U	0.4	U	0.476	U	0.4	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.435	U	0.5	U	0.4	U	0.476	U	0.4	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.435	U	0.5	U	0.4	U	0.476	U	0.4	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.217	U
NITROAROMATICS	RDX	mg/kg	0.435	U	0.5	U	0.4	U	0.476	U	0.4	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.435	U	0.5	U	0.4	U	0.476	U	0.4	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.217	U	0.25	U	0.2	U	0.238	U	0.2	U	0.217	U

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GROUP_NAME			TNTA-B187		TNTA-B187		TNTA-B187		TNTA-B187		TNTA-B187	
LOCATION_CODE			TNTA-SO148		TNTA-SO149		TNTA-SO150		TNTA-SO151		TNTA-SO152		TNTA-SO153	
SAMPLE_NO			AA0148		AA0149		AA0150		AA0151		AA0152		AA0153	
SAMPLE_DATE			20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00	
START.DEPTH			0.5		1.5		0.5		1.5		0.5		0.5	
END.DEPTH			1.5		2.5		1.5		2.5		1.5		1	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.284		0.25	U	0.238	U	0.25	U	0.362	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.324		0.25	U	0.728		0.25	U	0.62	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.316		0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.872	
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.178	J	0.167	J	0.25	U	0.238	U	0.25	U	0.404	

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B185		TNTA-B185		TNTA-B185		TNTA-B185		TNTA-B185		TNTA-B187	
LOCATION_CODE			TNTA-SO139		TNTA-SO140		TNTA-SO141		TNTA-SO399		TNTA-SO400		TNTA-SO147	
SAMPLE_NO			AA0139		AA0140		AA0141		AA0399		AA0400		AA0147	
SAMPLE_DATE			19-Jul-00		19-Jul-00		19-Jul-00		15-Sep-00		15-Sep-00		20-Jul-00	
START.DEPTH			1		1		1		4		8		2	
END.DEPTH			2		2		2		6		10		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.274		0.238	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	27.3		0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.24	J	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.5	U	0.476	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.131	J	0.238	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B185		TNTA-B185		TNTA-B185		TNTA-B185		TNTA-B185	
LOCATION_CODE			TNTA-SO133		TNTA-SO134		TNTA-SO135		TNTA-SO136		TNTA-SO137		TNTA-SO138	
SAMPLE_NO			AA0133		AA0134		AA0135		AA0136		AA0137		AA0138	
SAMPLE_DATE			19-Jul-00		19-Jul-00		19-Jul-00		19-Jul-00		19-Jul-00		19-Jul-00	
START.DEPTH			1		1.5		2		1.5		1.2		1.5	
END.DEPTH			2		2.5		3		2.5		2.2		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B182		TNTA-B182		TNTA-B182		TNTA-B182	
LOCATION_CODE			TNTA-SO100		TNTA-SO101		TNTA-SO397		TNTA-SO398	
SAMPLE_NO			AA0100		AA0101		AA0397		AA0398	
SAMPLE_DATE			13-Sep-00		13-Sep-00		15-Sep-00		15-Sep-00	
START.DEPTH			1		1		4		6	
END.DEPTH			2		2		6		7	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.657		0.197	J
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.101	J	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	103		51.1	
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.1	J	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.494		0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.385	U	0.356	J
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.331		0.25	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B182		TNTA-B182		TNTA-B182		TNTA-B182		TNTA-B182	
LOCATION_CODE			TNTA-SO094		TNTA-SO095		TNTA-SO096		TNTA-SO097		TNTA-SO098		TNTA-SO099
SAMPLE_NO			AA0094		AA0095		AA0096		AA0097		AA0098		AA0099
SAMPLE_DATE			18-Jul-00		13-Sep-00		13-Sep-00		18-Jul-00		13-Sep-00		13-Sep-00
START.DEPTH			2		1		1		2		1		1
END.DEPTH			3		2		2		3		2		2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.25	U	0.246	U	0.319		0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.25	U	0.246	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.246	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.143	J	0.746		0.37		0.294		1.65		0.224	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.493	U	0.455	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.246	U	0.227	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.493	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.493	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.476	U	0.5	U	0.246	U	0.455	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.493	U	0.455	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.493	U	0.455	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.348		0.25	U	0.246	U	0.227	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.25	U	0.246	U	0.227	U	0.25	U

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TNT Area A Remedial Investigation
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GROUP_NAME			TNTA-B149		TNTA-B149		TNTA-B149		TNTA-B149		TNTA-B182		TNTA-B182	
LOCATION_CODE			TNTA-SO059		TNTA-SO060		TNTA-SO321		TNTA-SO401		TNTA-SO092		TNTA-SO093	
SAMPLE_NO			AA0059		AA0060		AA0321		AA0401		AA0092		AA0093	
SAMPLE_DATE			22-Jul-00		22-Jul-00		17-Aug-00		15-Sep-00		18-Jul-00		18-Jul-00	
START.DEPTH			1.3		1.5		0		4		2		2.5	
END.DEPTH			2.3		2.5		1		6		3		3.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.227	U	0.179	U	0.25	U	0.217	U	0.249	U	0.248	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.227	U	0.179	U	0.25	U	0.217	U	0.249	U	0.248	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.227	U	0.179	U	0.25	U	0.217	U	0.249	U	0.248	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.682		0.179	U	0.171	J	0.217	U	0.249	U	0.248	U
NITROAROMATICS	HMX	mg/kg	0.455	U	0.357	U	0.5	U	0.435	U	0.498	U	0.495	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.227	U	0.179	U	0.209	J	0.217	U	0.249	U	0.248	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.455	U	0.357	U	0.5	U	0.435	U	0.498	U	0.495	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.455	U	0.357	U	0.5	U	0.435	U	0.498	U	0.495	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.227	U	0.179	U	0.5	U	0.435	U	0.249	U	0.248	U
NITROAROMATICS	RDX	mg/kg	0.455	U	0.357	U	0.5	U	0.435	U	0.498	U	0.495	U
NITROAROMATICS	Tetryl	mg/kg	0.455	U	0.357	U	0.5	U	0.435	U	0.498	U	0.495	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.227	U	0.179	U	0.25	U	0.217	U	0.249	U	0.248	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.227	U	0.179	U	0.25	U	0.217	U	0.249	U	0.248	U

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GROUP_NAME			TNTA-B148		TNTA-B148		TNTA-B149		TNTA-B149		TNTA-B149	
LOCATION_CODE			TNTA-SO220		TNTA-SO221		TNTA-SO055		TNTA-SO056		TNTA-SO057		TNTA-SO058	
SAMPLE_NO			AA0220		AA0221		AA0055		AA0056		AA0057		AA0058	
SAMPLE_DATE			14-Aug-00		14-Aug-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00	
START.DEPTH			1.6		1		1.5		1.2		1.5		1.5	
END.DEPTH			2.6		2		2.5		2.2		2.5		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.126	J	0.25	U	0.25	U	0.25	U	0.238	U

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TNT Area A Remedial Investigation
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GROUP_NAME			TNTA-B148		TNTA-B148		TNTA-B148		TNTA-B148		TNTA-B148		TNTA-B148	
LOCATION_CODE			TNTA-SO074		TNTA-SO075		TNTA-SO076		TNTA-SO077		TNTA-SO218		TNTA-SO219	
SAMPLE_NO			AA0074		AA0075		AA0076		AA0077		AA0218		AA0219	
SAMPLE_DATE			20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		14-Aug-00		14-Aug-00	
START.DEPTH			0.5		0.3		0.5		0.7		1		1.6	
END.DEPTH			1.5		1.3		1.5		1.7		2		2.6	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.227	U	0.25	U	0.222	J	2.34		0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.227	U	0.25	U	0.226	J	4.55		0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.227	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.227	U	0.25	U	0.25	U	0.687		0.103	J	0.25	U
NITROAROMATICS	HMX	mg/kg	0.455	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.227	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.455	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.455	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.227	U	0.25	U	0.25	U	0.25	U	0.476	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.455	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.455	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.227	U	0.25	U	0.25	U	0.137	J	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.227	U	0.25	U	0.252		13.2		0.238	U	0.25	U

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GROUP_NAME			TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B148	
LOCATION_CODE			TNTA-SO331		TNTA-SO332		TNTA-SO353		TNTA-SO383		TNTA-SO384		TNTA-SO073	
SAMPLE_NO			AA0331		AA0332		AA0353		AA0383		AA0384		AA0073	
SAMPLE_DATE			23-Aug-00		23-Aug-00		22-Sep-00		13-Sep-00		13-Sep-00		20-Jul-00	
START.DEPTH			0.3		0.5		0		4		8		0.5	
END.DEPTH			1.5		1.5		1		6		10		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.2	U	0.192	U	2.06		0.225	J	0.556		0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.2	U	0.192	U	3.98		0.24	J	1.54		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.2	U	0.192	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.2	U	0.192	U	0.25	U	0.25	U	0.294		0.25	U
NITROAROMATICS	HMX	mg/kg	0.4	U	0.385	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.2	U	0.192	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.4	U	0.385	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.4	U	0.385	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.4	U	0.385	U	0.5	U	0.5	U	0.5	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.4	U	0.385	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.4	U	0.385	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.2	U	0.192	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.2	U	0.237		3.41		0.332		85.3		0.25	U

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GROUP_NAME			TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146	
LOCATION_CODE			TNTA-SO230		TNTA-SO231		TNTA-SO232		TNTA-SO308		TNTA-SO309		TNTA-SO310
SAMPLE_NO			AA0230		AA0231		AA0232		AA0308		AA0309		AA0310
SAMPLE_DATE			14-Aug-00		14-Aug-00		14-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00
START.DEPTH			1.3		1.6		1.1		0		0		0
END.DEPTH			2.3		2.6		2.1		1		1		1
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.227	U	0.25	U	0.198	J	10.5		1.42	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.227	U	0.25	U	0.139	J	14.1		1.96	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.227	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.227	U	0.211	J	0.25	U	0.359		0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.227	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.227	U	0.25	U	0.25	U	0.467		0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.227	U	0.25	U	0.126	J	261		1.62	

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146	
LOCATION_CODE			TNTA-SO224		TNTA-SO225		TNTA-SO226		TNTA-SO227		TNTA-SO228		TNTA-SO229	
SAMPLE_NO			AA0224		AA0225		AA0226		AA0227		AA0228		AA0229	
SAMPLE_DATE			14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00	
START.DEPTH			1.6		2		2		1.6		1		1	
END.DEPTH			2.6		3		3		2.6		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.179	J	47.6		0.679		0.274		0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.195	J	4.64		1.01		0.361		0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.487		0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	5.65		0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.178	J	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	2.48		0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	1.38		0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.46		734		2.09		0.25	U	0.25	U	0.25	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146	
LOCATION_CODE			TNTA-SO088		TNTA-SO089		TNTA-SO090		TNTA-SO091		TNTA-SO222		TNTA-SO223	
SAMPLE_NO			AA0088		AA0089		AA0090		AA0091		AA0222		AA0223	
SAMPLE_DATE			21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00		14-Aug-00		14-Aug-00	
START.DEPTH			0		0		0		1		2		2	
END.DEPTH			1		1		1		2		2.5		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	4.01		0.308	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	4.73		0.52	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	0.902		0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.455	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.455	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.455	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.455	U	0.417	U	0.455	U	0.653		0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.455	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	0.689		0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.227	U	0.208	U	0.227	U	469		2.55	

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146	
LOCATION_CODE			TNTA-SO082		TNTA-SO083		TNTA-SO084		TNTA-SO085		TNTA-SO086		TNTA-SO087
SAMPLE_NO			AA0082		AA0083		AA0084		AA0085		AA0086		AA0087
SAMPLE_DATE			21-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		21-Jul-00
START.DEPTH			2		1.5		1.5		1.5		1.5		0
END.DEPTH			3		2.5		2.5		2.5		2.5		1
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U	0.329	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.412		0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.647		0.194	J	0.25	U	0.192	U	0.25	U	0.143	J

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B143		TNTA-B143		TNTA-B146		TNTA-B146		TNTA-B146		TNTA-B146	
LOCATION_CODE			TNTA-SO381		TNTA-SO382		TNTA-SO078		TNTA-SO079		TNTA-SO080		TNTA-SO081	
SAMPLE_NO			AA0381		AA0382		AA0078		AA0079		AA0080		AA0081	
SAMPLE_DATE			13-Sep-00		13-Sep-00		21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00	
START.DEPTH			4		8		1.5		2		0.5		0.8	
END.DEPTH			6		10		2.5		3		1		1.8	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.243		1.54		0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.172	U	3.97		1.3		2.74	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.172	U	0.25	U	1.18		1.03	
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.203		0.25	U	9.18		14.1	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.345	U	0.5	U	0.5	U	0.6	
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.172	U	0.25	U	0.613		0.278	
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.345	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.345	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.172	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.345	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.345	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.172	U	1.02		4.66		4.29	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.204		103		1596		2385	

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B143		TNTA-B143		TNTA-B143		TNTA-B143		TNTA-B143	
LOCATION_CODE			TNTA-SO328		TNTA-SO329		TNTA-SO330		TNTA-SO350		TNTA-SO351		TNTA-SO352	
SAMPLE_NO			AA0328		AA0329		AA0330		AA0350		AA0351		AA0352	
SAMPLE_DATE			22-Aug-00		22-Aug-00		22-Aug-00		22-Sep-00		22-Sep-00		22-Sep-00	
START.DEPTH			0.5		0.5		0		1.5		1.5		1.5	
END.DEPTH			1.5		1.5		1		2.5		2.5		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.135	J	0.599		0.227	U	0.2	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.264		1.12		0.227	U	0.2	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.227	U	0.185	U	0.227	U	0.2	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.133	J	0.387		0.134	J	0.2	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.455	U	0.37	U	0.455	U	0.4	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.227	U	0.185	U	0.227	U	0.2	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.455	U	0.37	U	0.455	U	0.4	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.455	U	0.37	U	0.455	U	0.4	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.455	U	0.37	U	0.455	U	0.4	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.455	U	0.37	U	0.455	U	0.4	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.455	U	0.37	U	0.455	U	0.4	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.227	U	0.185	U	0.227	U	0.2	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.522		0.934		0.227	U	0.2	U	0.25	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B143		TNTA-B143		TNTA-B143		TNTA-B143		TNTA-B143	
LOCATION_CODE			TNTA-SO032		TNTA-SO033		TNTA-SO034		TNTA-SO035		TNTA-SO217		TNTA-SO327	
SAMPLE_NO			AA0032		AA0033		AA0034		AA0035		AA0217		AA0327	
SAMPLE_DATE			14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00		22-Aug-00	
START.DEPTH			1.6		0.5		1.6		1.6		1.5		0.5	
END.DEPTH			2.6		1.5		2.6		2.6		2.5		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.25	U	3.7		0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.148	J	0.25	U	6.49		0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.321		0.25	U	2.16		0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.48		0.276		8.9		0.25	U	0.215	J

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B143		TNTA-B143		TNTA-B143		TNTA-B143		TNTA-B143	
LOCATION_CODE			TNTA-SO026		TNTA-SO027		TNTA-SO028		TNTA-SO029		TNTA-SO030		TNTA-SO031
SAMPLE_NO			AA0026		AA0027		AA0028		AA0029		AA0030		AA0031
SAMPLE_DATE			21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00
START.DEPTH			2		1.6		1.6		2		1		0
END.DEPTH			3		2.6		2.6		3		2		1
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.158	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.476	U	0.435	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.476	U	0.435	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.476	U	0.435	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.476	U	0.435	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.476	U	0.435	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.238	U	0.217	U	0.238	U	0.25	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP.NAME			TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142	
LOCATION.CODE			TNTA-SO242		TNTA-SO311		TNTA-SO379		TNTA-SO380	
SAMPLE.NO			AA0242		AA0311		AA0379		AA0380	
SAMPLE.DATE			17-Aug-00		17-Aug-00		13-Sep-00		13-Sep-00	
START.DEPTH			0.5		0		4		8	
END.DEPTH			1.5		1		6		10	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.238	U	0.144	J	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.238	U	0.237	J	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.136	J	0.238	U	0.111	J	0.25	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.238	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.238	U	0.25	U	0.25	U

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GROUP.NAME			TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142	
LOCATION.CODE			TNTA-SO235		TNTA-SO236		TNTA-SO237		TNTA-SO238		TNTA-SO239		TNTA-SO240		TNTA-SO241	
SAMPLE.NO			AA0235		AA0236		AA0237		AA0238		AA0239		AA0240		AA0241	
SAMPLE.DATE			17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00	
START.DEPTH			0.5		0.5		0.5		2		1		1		1	
END.DEPTH			1.5		1.5		1.5		3		2		2		2	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	1.08		0.227	U	0.25	U	0.898		0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	1.77		0.227	U	0.25	U	1.26		0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.227	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.152	J	0.227	U	0.25	U	0.343		0.25	U	0.25	U	0.134	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.455	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.227	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.455	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.455	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.455	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.455	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.455	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.227	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.619		0.227	U	0.25	U	5.93		0.25	U	0.25	U	0.25	U

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GROUP.NAME			TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142	
LOCATION.CODE			TNTA-SO021		TNTA-SO022		TNTA-SO023		TNTA-SO024		TNTA-SO025		TNTA-SO233		TNTA-SO234	
SAMPLE.NO			AA0021		AA0022		AA0023		AA0024		AA0025		AA0233		AA0234	
SAMPLE.DATE			20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		17-Aug-00		17-Aug-00	
START.DEPTH			1.5		1.5		1.5		0.05		1.5		1		2	
END.DEPTH			2.5		2.5		2.5		1.5		2		2		3	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.202	J	0.404		0.227	U	0.183	J	0.217	U	1.19		0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.227	U	0.227	U	0.238	U	0.217	U	1.77		0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.227	U	0.227	U	0.238	U	0.217	U	0.238	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.249	J	0.354		0.227	U	0.238	U	0.217	U	0.136	J	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.455	U	0.455	U	0.476	U	0.435	U	0.476	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.227	U	0.227	U	0.238	U	0.217	U	0.238	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.455	U	0.455	U	0.476	U	0.435	U	0.476	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.455	U	0.455	U	0.476	U	0.435	U	0.476	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.227	U	0.227	U	0.238	U	0.217	U	0.476	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.455	U	0.455	U	0.476	U	0.435	U	0.476	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.455	U	0.455	U	0.476	U	0.435	U	0.476	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.227	U	0.227	U	0.238	U	0.217	U	0.238	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.433		0.227	U	6.67		0.217	U	2.21		0.124	J

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GROUP.NAME			TNTA-B141		TNTA-B141		TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142		TNTA-B142	
LOCATION.CODE			TNTA-SO377		TNTA-SO378		TNTA-SO016		TNTA-SO017		TNTA-SO018		TNTA-SO019		TNTA-SO020	
SAMPLE.NO			AA0377		AA0378		AA0016		AA0017		AA0018		AA0019		AA0020	
SAMPLE.DATE			13-Sep-00		13-Sep-00		20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00	
START.DEPTH			4		8		2		1.5		0.2		1		0.5	
END.DEPTH			6		10		3		2.5		1.2		2		1.5	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.245		0.227	U	3.18		0.166	J	2.05		0.256		0.6	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.524		0.227	U	0.2	U	0.153	J	0.238	U	0.238	U	1.11	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.227	U	0.2	U	0.227	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.281		0.227	U	3.54		0.169	J	2.46		0.35		0.939	
NITROAROMATICS	HMX	mg/kg	0.476	U	0.455	U	0.4	U	0.455	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.227	U	0.2	U	0.227	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.312	J	0.4	U	0.455	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.455	U	0.4	U	0.455	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.455	U	0.2	U	0.227	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.455	U	0.4	U	0.455	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.455	U	0.4	U	0.455	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.227	U	0.112	J	0.227	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.227	U	31.2		0.176	J	2.48		0.555		8.51	

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GROUP.NAME			TNTA-B141		TNTA-B141		TNTA-B141		TNTA-B141		TNTA-B141		TNTA-B141	
LOCATION.CODE			TNTA-SO008		TNTA-SO065		TNTA-SO297		TNTA-SO298		TNTA-SO299		TNTA-SO300		TNTA-SO349	
SAMPLE.NO			AA0008		AA0065		AA0297		AA0298		AA0299		AA0300		AA0349	
SAMPLE.DATE			21-Jul-00		21-Jul-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00		22-Sep-00	
START.DEPTH			2.5		2.5		1		1		1		1		0	
END.DEPTH			3.5		3.5		2		2		2		2		1	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	4.81		0.25	U	0.238	U	0.25	U	10	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	5.66		0.25	U	0.238	U	0.25	U	15.6	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.174	J	2.34		0.394		0.49		0.349		2.8	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U	0.721	
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.5	U	0.5	U	0.476	U	0.5	U	0.346	J
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	17.9		0.25	U	0.238	U	0.25	U	40.7	

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GROUP.NAME			TNTA-B141		TNTA-B141		TNTA-B141		TNTA-B141		TNTA-B141		TNTA-B141	
LOCATION.CODE			TNTA-SO001		TNTA-SO002		TNTA-SO003		TNTA-SO004		TNTA-SO005		TNTA-SO006		TNTA-SO007	
SAMPLE.NO			AA0001		AA0002		AA0003		AA0004		AA0005		AA0006		AA0007	
SAMPLE.DATE			21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00		22-Jul-00		21-Jul-00		21-Jul-00	
START.DEPTH			0.1		0.5		2.5		1.5		1		1.5		1.5	
END.DEPTH			1.1		1.5		3.5		2.5		2		2.5		2.5	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	1.1		0.227	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.713		0.227	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.136	J	0.238	U	1.35		0.227	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.266	J	0.455	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.407		0.227	U	0.217	U	0.208	U	0.25	U

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GROUP.NAME			TNTA-B139		TNTA-B139		TNTA-B139		TNTA-B139		TNTA-B139		TNTA-B139	
LOCATION.CODE			TNTA-SO294		TNTA-SO295		TNTA-SO296		TNTA-SO312		TNTA-SO326		TNTA-SO375		TNTA-SO376	
SAMPLE.NO			AA0294		AA0295		AA0296		AA0312		AA0326		AA0375		AA0376	
SAMPLE.DATE			16-Aug-00		16-Aug-00		16-Aug-00		17-Aug-00		19-Aug-00		13-Sep-00		13-Sep-00	
START.DEPTH			1.6		1		1.5		0		3		4		8	
END.DEPTH			2.6		2		2.5		1		4		6		10	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.297		0.25	U	0.238	U	0.108	J	0.305	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U	5.4	
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U	0.149	J
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U	1.69	
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U	0.0984	J
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.515		0.25	U	0.238	U	0.317		0.25	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP.NAME			TNTA-B139		TNTA-B139		TNTA-B139		TNTA-B139		TNTA-B139		TNTA-B139	
LOCATION.CODE			TNTA-SO038		TNTA-SO039		TNTA-SO040		TNTA-SO041		TNTA-SO291		TNTA-SO292		TNTA-SO293	
SAMPLE.NO			AA0038		AA0039		AA0040		AA0041		AA0291		AA0292		AA0293	
SAMPLE.DATE			21-Jul-00		21-Jul-00		21-Jul-00		21-Jul-00		16-Aug-00		16-Aug-00		16-Aug-00	
START.DEPTH			0.5		0.5		2		1		1.5		1		1	
END.DEPTH			1.5		1.5		3		2		2.5		2		2	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.2	U	0.75		0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.2	U	1.1		0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.2	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.2	U	2.5		0.25	U	0.324		0.126	J	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.4	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.2	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.4	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.4	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.2	U	0.25	U	0.25	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.4	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.4	U	0.634		0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.2	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.2	U	2.79		0.25	U	0.25	U	0.25	U	0.25	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP.NAME			TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B139		TNTA-B139	
LOCATION.CODE			TNTA-SO339		TNTA-SO340		TNTA-SO341		TNTA-SO395		TNTA-SO396		TNTA-SO036		TNTA-SO037	
SAMPLE.NO			AA0339		AA0340		AA0341		AA0395		AA0396		AA0036		AA0037	
SAMPLE.DATE			23-Aug-00		23-Aug-00		23-Aug-00		15-Sep-00		15-Sep-00		21-Jul-00		21-Jul-00	
START.DEPTH			0.5		0.5		0.5		4		8		1		2.5	
END.DEPTH			1.5		1.5		1.5		6		10		2		3.5	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.192	U	0.2	U	0.25	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.192	U	0.2	U	0.25	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.192	U	0.2	U	0.25	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.192	U	0.2	U	0.25	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.385	U	0.4	U	0.5	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.192	U	0.2	U	0.25	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.385	U	0.4	U	0.5	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.385	U	0.4	U	0.5	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.385	U	0.4	U	0.5	U	0.5	U	0.208	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.385	U	0.4	U	0.5	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.385	U	0.4	U	0.5	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.192	U	0.2	U	0.25	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.192	U	0.2	U	0.25	U	0.25	U	0.208	U	0.25	U

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TNT Area A Remedial Investigation
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GROUP.NAME			TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136	
LOCATION.CODE			TNTA-SO188		TNTA-SO333		TNTA-SO334		TNTA-SO335		TNTA-SO336		TNTA-SO337		TNTA-SO338	
SAMPLE.NO			AA0188		AA0333		AA0334		AA0335		AA0336		AA0337		AA0338	
SAMPLE.DATE			24-Jul-00		23-Aug-00		23-Aug-00		23-Aug-00		23-Aug-00		23-Aug-00		23-Aug-00	
START.DEPTH			0.5		0.5		1		1		0.5		0.5		0.5	
END.DEPTH			1.5		1.5		2		2		1.5		1.5		1.5	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.217	U	0.135	J	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.217	U	0.289		0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.435	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.238	U	0.238	U	0.239	J

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GROUP.NAME			TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136	
LOCATION.CODE			TNTA-SO181		TNTA-SO182		TNTA-SO183		TNTA-SO184		TNTA-SO185		TNTA-SO186		TNTA-SO187	
SAMPLE.NO			AA0181		AA0182		AA0183		AA0184		AA0185		AA0186		AA0187	
SAMPLE.DATE			24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		25-Jul-00	
START.DEPTH			1.5		1		0.5		0.5		1		0.5		1	
END.DEPTH			2.5		2		1.5		1.5		2		1		2	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.165	J	0.238	U

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GROUP.NAME			TNTA-B133		TNTA-B133		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136		TNTA-B136	
LOCATION.CODE			TNTA-SO393		TNTA-SO394		TNTA-SO176		TNTA-SO177		TNTA-SO178		TNTA-SO179		TNTA-SO180	
SAMPLE.NO			AA0393		AA0394		AA0176		AA0177		AA0178		AA0179		AA0180	
SAMPLE.DATE			15-Sep-00		15-Sep-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		25-Jul-00	
START.DEPTH			4		8		0		0.5		0		1		0.5	
END.DEPTH			6		10		1		1.5		1		2		1.5	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.2	U	0.185	U	0.227	U	0.217	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.2	U	0.185	U	0.227	U	0.217	U	0.25	U	0.12	J	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.2	U	0.185	U	0.227	U	0.217	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.2	U	0.185	U	0.227	U	0.217	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.4	U	0.37	U	0.455	U	0.435	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.2	U	0.185	U	0.227	U	0.217	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.4	U	0.37	U	0.455	U	0.435	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.4	U	0.37	U	0.455	U	0.435	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.4	U	0.37	U	0.227	U	0.217	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.4	U	0.37	U	0.455	U	0.435	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.4	U	0.37	U	0.455	U	0.435	U	0.5	U	0.417	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.2	U	0.185	U	0.227	U	0.217	U	0.25	U	0.208	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.2	U	0.185	U	0.227	U	0.217	U	0.25	U	0.208	U	0.25	U

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GROUP.NAME			TNTA-B133		TNTA-B133		TNTA-B133		TNTA-B133		TNTA-B133		TNTA-B133	
LOCATION.CODE			TNTA-SO042		TNTA-SO043		TNTA-SO044		TNTA-SO045		TNTA-SO319		TNTA-SO347		TNTA-SO348	
SAMPLE.NO			AA0042		AA0043		AA0044		AA0045		AA0319		AA0347		AA0348	
SAMPLE.DATE			24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		17-Aug-00		22-Sep-00		22-Sep-00	
START.DEPTH			3		3		3		3		0		3		3	
END.DEPTH			4		4		4		4		1		3.5		3.5	
SAMPLE.PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.227	U	0.25	U	0.162	J	0.127	J	0.25	U	4.78	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.227	U	0.25	U	0.184	J	0.25	U	0.25	U	5.52	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.227	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.227	U	0.25	U	0.238	U	0.25	U	0.25	U	0.938	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.455	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.227	U	0.25	U	0.238	U	0.25	U	0.189	J	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.455	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.455	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.227	U	0.25	U	0.238	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.455	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.455	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.227	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.227	U	0.25	U	0.13	J	0.215	J	0.25	U	18.8	

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GROUP_NAME			TNTA-B132		TNTA-B132		TNTA-B132		TNTA-B132		TNTA-B132
LOCATION_CODE			TNTA-SO053		TNTA-SO054		TNTA-SO320		TNTA-SO391		TNTA-SO392
SAMPLE_NO			AA0053		AA0054		AA0320		AA0391		AA0392
SAMPLE_DATE			24-Jul-00		24-Jul-00		17-Aug-00		15-Sep-00		15-Sep-00
START.DEPTH			2		2		0		4		8
END.DEPTH			3		3		1		6		10
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.194	J	1.07		0.249	J	0.224	J	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.194	J	1.57		0.365		0.289		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.219	J	0.482		0.344		0.234	J	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.204	J	4.08		0.507		0.219	J	0.25	U

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GROUP_NAME			TNTA-B132		TNTA-B132		TNTA-B132		TNTA-B132		TNTA-B132		TNTA-B132	
LOCATION_CODE			TNTA-SO046		TNTA-SO047		TNTA-SO048		TNTA-SO049		TNTA-SO050		TNTA-SO051		TNTA-SO052	
SAMPLE_NO			AA0046		AA0047		AA0048		AA0049		AA0050		AA0051		AA0052	
SAMPLE_DATE			24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00	
START.DEPTH			2.5		2		2.5		2		2		2.5		2.5	
END.DEPTH			3.5		3		3.5		3		3		3.5		3.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.159	J	0.238	U	0.25	U	0.227	U	0.53		1.18	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.217	J	0.238	U	0.25	U	0.227	U	0.584		1.65	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.208	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.208	U	0.377	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.417	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.208	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.208	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.417	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.417	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.208	U	0.131	J
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.249		0.37		0.25	U	0.227	U	1.04		5.04	

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GROUP_NAME			TNTA-B131		TNTA-B131		TNTA-B131		TNTA-B131		TNTA-B131		TNTA-B131	
LOCATION_CODE			TNTA-SO062		TNTA-SO063		TNTA-SO064		TNTA-SO345		TNTA-SO346		TNTA-SO389		TNTA-SO390	
SAMPLE_NO			AA0062		AA0063		AA0064		AA0345		AA0346		AA0389		AA0390	
SAMPLE_DATE			21-Jul-00		21-Jul-00		21-Jul-00		22-Sep-00		22-Sep-00		15-Sep-00		15-Sep-00	
START.DEPTH			0.4		0.5		1.5		0.75		1.5		4		8	
END.DEPTH			1.4		1.5		2.5		1.75		2.5		6		10	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.179	U	0.25	U	0.217	U	0.25	U	2		2.61	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.179	U	0.25	U	0.217	U	0.25	U	1.28		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.179	U	0.25	U	0.217	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.179	U	0.25	U	0.217	U	0.25	U	7.06		118	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.357	U	0.5	U	0.435	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.179	U	0.25	U	0.217	U	0.25	U	0.217	U	0.126	J
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.357	U	0.5	U	0.435	U	0.5	U	1.64		278	
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.357	U	0.5	U	0.435	U	0.5	U	0.273	J	22.2	
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.179	U	0.25	U	0.435	U	0.5	U	0.618		160	
NITROAROMATICS	RDX	mg/kg	0.5	U	0.357	U	0.5	U	0.435	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.357	U	0.5	U	0.435	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.179	U	0.25	U	0.217	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.179	U	0.25	U	0.217	U	0.25	U	2.88		5.35	

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GROUP_NAME			TNTA-B129		TNTA-B129		TNTA-B129		TNTA-B129		TNTA-B129		TNTA-B129		TNTA-B131	
LOCATION_CODE			TNTA-SO313		TNTA-SO342		TNTA-SO343		TNTA-SO344		TNTA-SO373		TNTA-SO374		TNTA-SO061	
SAMPLE_NO			AA0313		AA0342		AA0343		AA0344		AA0373		AA0374		AA0061	
SAMPLE_DATE			15-Aug-00		22-Sep-00		22-Sep-00		22-Sep-00		12-Sep-00		12-Sep-00		21-Jul-00	
START.DEPTH			0		1		1		1		4		8		0.5	
END.DEPTH			1		1.5		1.5		1.5		6		10		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.238	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.225	J	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.476	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U	0.238	U	0.25	U

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GROUP_NAME			TNTA-B129		TNTA-B129		TNTA-B129		TNTA-B129		TNTA-B129		TNTA-B129	
LOCATION_CODE			TNTA-SO114		TNTA-SO115		TNTA-SO116		TNTA-SO301		TNTA-SO302		TNTA-SO303		TNTA-SO304	
SAMPLE_NO			AA0114		AA0115		AA0116		AA0301		AA0302		AA0303		AA0304	
SAMPLE_DATE			20-Jul-00		20-Jul-00		20-Jul-00		15-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00	
START.DEPTH			3.6		3.6		3.6		1.5		1.5		2		2	
END.DEPTH			4.6		4.6		4.6		2.5		2.5		3		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.721		0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.294		0.238	U	1.08		0.238	U	0.25	U	27.7		0.14	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.25	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U

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GROUP_NAME			TNTA-B128		TNTA-B128		TNTA-B128		TNTA-B128		TNTA-B128		TNTA-B129		TNTA-B129	
LOCATION_CODE			TNTA-SO142		TNTA-SO143		TNTA-SO144		TNTA-SO145		TNTA-SO146		TNTA-SO112		TNTA-SO113	
SAMPLE_NO			AA0142		AA0143		AA0144		AA0145		AA0146		AA0112		AA0113	
SAMPLE_DATE			24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		20-Jul-00		20-Jul-00	
START.DEPTH			0		0		0		0		0		1		3.6	
END.DEPTH			1		1		1		1		1		2		4.6	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.25	U	0.388		0.912		0.227	U	0.217	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.25	U	0.607		1.5		0.227	U	0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.455	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.227	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.25	U	1.12		1.24		0.227	U	0.217	U

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GROUP_NAME			TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126	
LOCATION_CODE			TNTA-SO418		TNTA-SO419		TNTA-SO420		TNTA-SO421		TNTA-SO422		TNTA-SO423		TNTA-SO424	
SAMPLE_NO			AA0418		AA0419		AA0420		AA0421		AA0422		AA0423		AA0424	
SAMPLE_DATE			22-Sep-00		21-Sep-00		22-Sep-00		21-Sep-00		21-Sep-00		21-Sep-00		22-Sep-00	
START.DEPTH			0		1		0		1		1		1		0	
END.DEPTH			1		2		1		2		2		2		1	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	20.7		0.25	U	0.154	J	0.228	J	0.23		0.208	U	0.127	J
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	14.2		0.25	U	0.249	J	0.577		0.236		0.126	J	0.299	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.217	U	0.208	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	1.33		0.25	U	0.25	U	0.238	U	0.0902	J	0.279		0.227	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.417	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.217	U	0.208	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.417	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.417	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.417	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.417	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.417	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.299		0.25	U	0.25	U	0.238	U	0.217	U	0.208	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	785		0.335		0.395		0.339		0.724		0.48		0.227	U

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GROUP_NAME			TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126	
LOCATION_CODE			TNTA-SO268		TNTA-SO269		TNTA-SO270		TNTA-SO369		TNTA-SO370		TNTA-SO371		TNTA-SO372	
SAMPLE_NO			AA0268		AA0269		AA0270		AA0369		AA0370		AA0371		AA0372	
SAMPLE_DATE			17-Aug-00		17-Aug-00		17-Aug-00		13-Sep-00		13-Sep-00		15-Sep-00		15-Sep-00	
START.DEPTH			0.5		1		0.5		4		8		4		8	
END.DEPTH			1.5		2		1.5		6		10		6		10	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.751		0.133	J	0.238	U	0.206	J	0.467		0.238	U	0.227	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.614		0.157	J	0.238	U	0.211	J	1.76		0.238	U	0.227	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.238	U	0.351		0.25	U	0.238	U	0.227	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.476	U	0.502		0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.476	U	0.358	J	0.5	U	0.476	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	24.3		0.333		0.195	J	28.2		62.3		0.238	U	1.04	

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126
LOCATION_CODE			TNTA-SO261		TNTA-SO262		TNTA-SO263		TNTA-SO264		TNTA-SO265		TNTA-SO266		TNTA-SO267
SAMPLE_NO			AA0261		AA0262		AA0263		AA0264		AA0265		AA0266		AA0267
SAMPLE_DATE			17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00		17-Aug-00
START.DEPTH			1.5		1		2		1		1		1		2.5
END.DEPTH			2.5		2		3		2		2		2		3.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	5.11		0.291		6.76		0.165	J	0.679		0.238	U	3.21	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	4.97		0.624		19.6		0.217	J	1.1		0.238	U	11.1	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.134	J	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	1.34		0.671		0.25	U	0.238	U	0.765	
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.631		0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	1.38		0.5	U	0.5	U	0.476	U	0.798	
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	1.21		0.25	U	0.25	U	0.238	U	1.02	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	170		0.653		150		1.36		0.408		0.238	U	62.9	

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GROUP_NAME			TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126	
LOCATION_CODE			TNTA-SO211		TNTA-SO212		TNTA-SO213		TNTA-SO214		TNTA-SO215		TNTA-SO216		TNTA-SO260	
SAMPLE_NO			AA0211		AA0212		AA0213		AA0214		AA0215		AA0216		AA0260	
SAMPLE_DATE			25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		17-Aug-00	
START.DEPTH			1		1		0		1.5		0		0		0.25	
END.DEPTH			2		2		1		2.5		1		1		1.25	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.217	U	0.334		0.238	U	0.25	U	0.2	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.217	U	0.552		0.238	U	0.25	U	0.2	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.217	U	0.25	U	0.238	U	0.25	U	0.2	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.217	U	0.25	U	0.238	U	0.25	U	0.2	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.435	U	0.5	U	0.476	U	0.5	U	0.4	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.217	U	0.25	U	0.238	U	0.25	U	0.2	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.435	U	0.5	U	0.476	U	0.5	U	0.4	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.435	U	0.5	U	0.476	U	0.5	U	0.4	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.217	U	0.25	U	0.238	U	0.25	U	0.2	U	0.25	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.435	U	0.5	U	0.476	U	0.5	U	0.4	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.435	U	0.5	U	0.476	U	0.5	U	0.4	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.217	U	0.25	U	0.238	U	0.25	U	0.2	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.217	U	0.235	J	0.267		0.25	U	0.2	U	0.25	U	0.25	U

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GROUP_NAME			TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126		TNTA-B126	
LOCATION_CODE			TNTA-SO204		TNTA-SO205		TNTA-SO206		TNTA-SO207		TNTA-SO208		TNTA-SO209		TNTA-SO210	
SAMPLE_NO			AA0204		AA0205		AA0206		AA0207		AA0208		AA0209		AA0210	
SAMPLE_DATE			25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00	
START.DEPTH			2		0.5		1		1		1		1		1	
END.DEPTH			3		1.5		2		2		2		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	1.04		0.25	U	0.25	U	0.184	J	0.227	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	1.02		0.25	U	0.25	U	0.195	J	0.227	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.184	J	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	51.9		0.25	U	0.14	J	0.132	J	0.227	U	0.31	

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GROUP_NAME			TNTA-B123		TNTA-B123		TNTA-B123		TNTA-B123		TNTA-B123		TNTA-B123		TNTA-B126	
LOCATION_CODE			TNTA-SO162		TNTA-SO163		TNTA-SO164		TNTA-SO165		TNTA-SO166		TNTA-SO167		TNTA-SO203	
SAMPLE_NO			AA0162		AA0163		AA0164		AA0165		AA0166		AA0167		AA0203	
SAMPLE_DATE			22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		25-Jul-00	
START.DEPTH			0		0		0		0		0		0		1.5	
END.DEPTH			1		1		1		1		1		1		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.329		0.227	U	0.217	U	1.01		0.744	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.217	U	0.227	U	0.217	U	1.69		0.888	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.217	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.494		0.227	U	0.193	J	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.435	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.217	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.435	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.435	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.238	U	0.25	U	0.217	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.435	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.435	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.217	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.147	J	0.158	J	0.328		0.227	U	0.251		0.451		1.44	

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GROUP_NAME			TNTA-B122		TNTA-B122	
LOCATION_CODE			TNTA-SO174		TNTA-SO175	
SAMPLE_NO			AA0174		AA0175	
SAMPLE_DATE			22-Jul-00		22-Jul-00	
START.DEPTH			0		0	
END.DEPTH			1		1	
SAMPLE_PURPOSE			SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U

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GROUP_NAME			TNTA-B119		TNTA-B122		TNTA-B122		TNTA-B122		TNTA-B122		TNTA-B122	
LOCATION_CODE			TNTA-SO486		TNTA-SO168		TNTA-SO169		TNTA-SO170		TNTA-SO171		TNTA-SO172		TNTA-SO173	
SAMPLE_NO			AA0486		AA0168		AA0169		AA0170		AA0171		AA0172		AA0173	
SAMPLE_DATE			13-Oct-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00		22-Jul-00	
START.DEPTH			1.5		0		0		0		0		0		0	
END.DEPTH			2.5		1		1		1		1		1		1	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.0952	U	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.0952	U	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.0952	U	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.0952	U	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.19	U	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.0952	U	0.161	J	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.19	U	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.19	U	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.19	U	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.19	U	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.19	U	0.5	U	0.5	U	0.476	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.0952	U	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.0952	U	0.25	U	0.25	U	0.238	U	0.25	U	0.25	U	0.25	U

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GROUP_NAME			TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119	
LOCATION_CODE			TNTA-SO415		TNTA-SO416		TNTA-SO417		TNTA-SO482		TNTA-SO483		TNTA-SO484		TNTA-SO485	
SAMPLE_NO			AA0415		AA0416		AA0417		AA0482		AA0483		AA0484		AA0485	
SAMPLE_DATE			21-Sep-00		21-Sep-00		21-Sep-00		13-Oct-00		13-Oct-00		13-Oct-00		13-Oct-00	
START.DEPTH			1		1		0.5		1		1		1.5		1.5	
END.DEPTH			2		2		1.5		2		2		2.5		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.537		0.235	J	0.185	U	0.1	U	0.1	U	0.0952	U	0.1	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.325		0.331		0.185	U	0.1	U	0.1	U	0.0952	U	0.1	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.185	U	0.1	U	0.1	U	0.0952	U	0.1	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	5.34		1.21		0.143	J	0.618		0.1	U	0.071	J	0.1	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.37	U	0.2	U	0.2	U	0.19	U	0.2	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.185	U	0.1	U	0.1	U	0.0952	U	0.1	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	1.05		0.5	U	0.37	U	0.2	U	0.2	U	0.19	U	0.2	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.301	J	0.5	U	0.37	U	0.2	U	0.2	U	0.19	U	0.2	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.611		0.5	U	0.37	U	0.2	U	0.2	U	0.19	U	0.2	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.37	U	0.2	U	0.2	U	0.19	U	0.2	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.37	U	0.2	U	0.2	U	0.19	U	0.2	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.185	U	0.1	U	0.1	U	0.0952	U	0.1	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.295		0.25	U	0.185	U	0.1	U	0.1	U	0.0952	U	0.1	U

Soil Screening Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119	
LOCATION_CODE			TNTA-SO317		TNTA-SO318		TNTA-SO367		TNTA-SO368		TNTA-SO412		TNTA-SO413		TNTA-SO414	
SAMPLE_NO			AA0317		AA0318		AA0367		AA0368		AA0412		AA0413		AA0414	
SAMPLE_DATE			15-Aug-00		15-Aug-00		12-Sep-00		12-Sep-00		22-Sep-00		21-Sep-00		21-Sep-00	
START.DEPTH			0		0		4		8		0		1		1	
END.DEPTH			1		1		6		9		0.6		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.238	U	27.5		4.74		0.25	U	0.25	U	0.2	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.238	U	45.4		3.77		0.25	U	0.25	U	0.2	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.238	U	0.297		0.238	U	0.25	U	0.25	U	0.2	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.238	U	689		258		0.25	U	0.153	J	0.112	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U	0.4	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.238	U	1.06		0.238	U	0.25	U	0.25	U	0.2	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.476	U	1407		429		0.5	U	0.5	U	0.4	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.476	U	160		36.5		0.5	U	0.5	U	0.4	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.476	U	1196		325		0.5	U	0.5	U	0.4	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.476	U	0.5	U	0.181	J	0.5	U	0.5	U	0.4	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.476	U	27.6		0.871		0.5	U	0.5	U	0.4	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.238	U	0.25	U	0.238	U	0.25	U	0.25	U	0.2	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.238	U	1.56		4.22		0.25	U	0.25	U	0.2	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119	
LOCATION_CODE			TNTA-SO286		TNTA-SO287		TNTA-SO288		TNTA-SO289		TNTA-SO290		TNTA-SO315		TNTA-SO316	
SAMPLE_NO			AA0286		AA0287		AA0288		AA0289		AA0290		AA0315		AA0316	
SAMPLE_DATE			15-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00	
START.DEPTH			1.6		1		1		0.5		1		0		0	
END.DEPTH			2.6		2		2		1.5		2		1		1	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	1.27		0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	1.23		0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.227	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	8.14		0.25	U	0.25	U	4.21		0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.227	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.455	U	0.5	U	0.5	U	0.633		0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.455	U	0.5	U	0.5	U	0.239	J	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.876		0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.262		0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	2.1		0.25	U	0.25	U	0.238	U	0.25	U

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TNT Area A Remedial Investigation
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GROUP_NAME			TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119		TNTA-B119	
LOCATION_CODE			TNTA-SO106		TNTA-SO107		TNTA-SO281		TNTA-SO282		TNTA-SO283		TNTA-SO284		TNTA-SO285	
SAMPLE_NO			AA0106		AA0107		AA0281		AA0282		AA0283		AA0284		AA0285	
SAMPLE_DATE			24-Jul-00		24-Jul-00		15-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00	
START.DEPTH			2.5		2		1		1		1		1		2	
END.DEPTH			3.5		3		2		2		2		2		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.195	J	0.238	U	0.227	U	0.217	U	0.357		0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.397		0.238	U	0.227	U	0.217	U	0.379		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.856		2.5		0.315		0.227	U	0.456		5.79		2.02	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.476	U	0.455	U	0.435	U	0.387	J	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.476	U	0.455	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.476	U	0.455	U	0.435	U	0.459	J	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.217	J	0.36		0.238	U	0.227	U	0.217	U	1.49		0.353	

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TNT Area A Remedial Investigation
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GROUP_NAME			TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B119		TNTA-B119		TNTA-B119	
LOCATION_CODE			TNTA-SO404		TNTA-SO410		TNTA-SO411		TNTA-SO102		TNTA-SO103		TNTA-SO104		TNTA-SO105
SAMPLE_NO			AA0404		AA0410		AA0411		AA0102		AA0103		AA0104		AA0105
SAMPLE_DATE			16-Sep-00		21-Sep-00		21-Sep-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00
START.DEPTH			8		1		1		2		2		2		2
END.DEPTH			10		2		2		3		3		3		3
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	7.13		0.553		0.154	J	0.227	U	0.185	J	0.217	U	1.63	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	12.5		1.11		0.234	J	0.227	U	0.25	U	0.217	U	1.88	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.227	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.227	U	1.18		0.383		21	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.455	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.227	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.455	U	0.5	U	0.435	U	1.26	
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.455	U	0.5	U	0.435	U	0.396	J
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.5	U	0.227	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.455	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.455	U	0.5	U	0.435	U	0.303	J
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.227	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	6.93		0.25	U	0.25	U	0.227	U	0.151	J	0.217	U	1.85	

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TNT Area A Remedial Investigation
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GROUP_NAME			TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B116	
LOCATION_CODE			TNTA-SO197		TNTA-SO198		TNTA-SO199		TNTA-SO200		TNTA-SO201		TNTA-SO202		TNTA-SO403	
SAMPLE_NO			AA0197		AA0198		AA0199		AA0200		AA0201		AA0202		AA0403	
SAMPLE_DATE			24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		15-Sep-00	
START.DEPTH			1		1		1		1		1		0.5		4	
END.DEPTH			2		2		2		2		2		1.5		6	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	0.291		0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	0.403		0.221	J	0.132	J
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.128	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.25	U	0.238	U	1.3		0.373		0.25	U

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GROUP_NAME			TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B116		TNTA-B116	
LOCATION_CODE			TNTA-SO190		TNTA-SO191		TNTA-SO192		TNTA-SO193		TNTA-SO194		TNTA-SO195		TNTA-SO196	
SAMPLE_NO			AA0190		AA0191		AA0192		AA0193		AA0194		AA0195		AA0196	
SAMPLE_DATE			24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00		24-Jul-00	
START.DEPTH			1		1		0.5		0.1		0.5		0		1	
END.DEPTH			2		2		1.5		1.1		1.5		1		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.251		0.238	U	0.227	U	0.25	U	0.25	U	0.547	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.373		0.238	U	0.227	U	0.25	U	0.25	U	1.06	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.238	U	0.227	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.238	U	0.227	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.238	U	0.227	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.238	U	0.227	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.238	U	0.227	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.435		0.238	U	0.227	U	0.25	U	0.25	U	0.436	

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B113		TNTA-B113		TNTA-B113		TNTA-B113		TNTA-B113		TNTA-B113		TNTA-B116	
LOCATION_CODE			TNTA-SO120		TNTA-SO121		TNTA-SO122		TNTA-SO322		TNTA-SO365		TNTA-SO366		TNTA-SO189	
SAMPLE_NO			AA0120		AA0121		AA0122		AA0322		AA0365		AA0366		AA0189	
SAMPLE_DATE			19-Jul-00		19-Jul-00		19-Jul-00		17-Aug-00		12-Sep-00		12-Sep-00		24-Jul-00	
START.DEPTH			2		3		1		0		4		8		1	
END.DEPTH			3		4		2		1		6		10		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.173	J	1.05		0.248	U	0.25	U	0.261		0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.122	J	0.519		0.248	U	0.25	U	0.246	J	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.248	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.248	U	0.25	U	0.124	J	0.174	J	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.495	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.248	U	0.25	U	0.25	U	0.238	U	0.128	J
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.495	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.201	J	0.495	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.248	U	0.5	U	0.5	U	0.476	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.495	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.495	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.248	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	10.4		0.248	U	0.25	U	0.298		0.0851	J	0.25	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B113		TNTA-B113		TNTA-B113	
LOCATION_CODE			TNTA-SO408		TNTA-SO409		TNTA-SO487		TNTA-SO488		TNTA-SO117		TNTA-SO118		TNTA-SO119	
SAMPLE_NO			AA0408		AA0409		AA0487		AA0488		AA0117		AA0118		AA0119	
SAMPLE_DATE			21-Sep-00		21-Sep-00		13-Oct-00		13-Oct-00		19-Jul-00		19-Jul-00		19-Jul-00	
START.DEPTH			0.5		0.5		1.5		1		2		1.5		2.5	
END.DEPTH			1.5		1.5		2.5		2		3		2.5		3.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	1.4		0.296		0.176		0.0952	U	0.249	U	0.25	U	0.249	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	1.9		0.33		0.0615	J	0.0952	U	0.249	U	0.25	U	0.249	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.227	U	0.227	U	0.1	U	0.0952	U	0.249	U	0.25	U	0.249	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.413		0.364		0.1	U	0.0952	U	0.249	U	0.25	U	0.249	U
NITROAROMATICS	HMX	mg/kg	0.455	U	0.455	U	0.2	U	0.19	U	0.498	U	0.5	U	0.498	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.227	U	0.227	U	0.1	U	0.0952	U	0.249	U	0.25	U	0.249	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.455	U	0.455	U	0.2	U	0.19	U	0.498	U	0.5	U	0.498	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.455	U	0.455	U	0.2	U	0.19	U	0.498	U	0.5	U	0.498	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.455	U	0.455	U	0.2	U	0.19	U	0.249	U	0.25	U	0.249	U
NITROAROMATICS	RDX	mg/kg	0.455	U	0.455	U	0.2	U	0.19	U	0.498	U	0.5	U	0.498	U
NITROAROMATICS	Tetryl	mg/kg	0.455	U	0.455	U	0.2	U	0.19	U	0.498	U	0.5	U	0.498	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.227	U	0.227	U	0.1	U	0.0952	U	0.249	U	0.25	U	0.249	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	2.25		29.3		0.1	U	0.0952	U	0.249	U	0.25	U	0.249	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112	
LOCATION_CODE			TNTA-SO259		TNTA-SO323		TNTA-SO324		TNTA-SO325		TNTA-SO363		TNTA-SO364		TNTA-SO407	
SAMPLE_NO			AA0259		AA0323		AA0324		AA0325		AA0363		AA0364		AA0407	
SAMPLE_DATE			16-Aug-00		15-Aug-00		15-Aug-00		15-Aug-00		12-Sep-00		12-Sep-00		21-Sep-00	
START.DEPTH			0.5		0		0		0		4		8		0.5	
END.DEPTH			1.5		1		1		1		6		10		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.357		0.238	U	0.344		12.6		1.76		1.48		0.656	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.23	J	0.238	U	0.552		12.4		2.4		0.594		0.688	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.238	U	0.25	U	0.238	U	0.0872	J	0.0657	J	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.141	J	0.533		0.263		15.6		0.327		0.215	J	0.164	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.238	U	0.25	U	0.238	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	1.06		0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.476	U	0.5	U	0.476	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.238	U	0.25	U	0.162	J	0.281		0.492		0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.188	J	0.238	U	0.165	J	558		64.4		5.97		0.982	

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GROUP_NAME			TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112	
LOCATION_CODE			TNTA-SO132		TNTA-SO253		TNTA-SO254		TNTA-SO255		TNTA-SO256		TNTA-SO257		TNTA-SO258	
SAMPLE_NO			AA0132		AA0253		AA0254		AA0255		AA0256		AA0257		AA0258	
SAMPLE_DATE			19-Jul-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00		16-Aug-00	
START.DEPTH			2.5		1.6		1		1.6		1		2		2	
END.DEPTH			3.5		2.6		2		2.6		2		3		3.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.926		4.81		0.805		0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.717		3.64		1.12		0.25	U	0.25	U	0.398	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.208	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.555		0.269		0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.417	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.208	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.417	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.382	J	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.5	U	0.417	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.417	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.417	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.236		0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	1.71		284		20.1		0.25	U	0.25	U	0.25	U

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TNT Area A Remedial Investigation
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GROUP_NAME			TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112		TNTA-B112	
LOCATION_CODE			TNTA-SO125		TNTA-SO126		TNTA-SO127		TNTA-SO128		TNTA-SO129		TNTA-SO130		TNTA-SO131	
SAMPLE_NO			AA0125		AA0126		AA0127		AA0128		AA0129		AA0130		AA0131	
SAMPLE_DATE			19-Jul-00		19-Jul-00		19-Jul-00		19-Jul-00		19-Jul-00		19-Jul-00		19-Jul-00	
START_DEPTH			3		3		2		1.5		1.5		3		2.5	
END_DEPTH			4		4		3		2.5		2.5		4		3.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.371		3.66		0.173	J	0.249	U	0.194	J	0.25	U	0.248	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.248	U	0.185	J	0.249	U	0.246	U	0.25	U	0.248	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.248	U	0.25	U	0.204	J	0.246	U	0.25	U	0.248	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.267		4.22		0.25	U	865		0.162	J	0.125	J	0.248	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.495	U	0.5	U	0.498	U	0.493	U	0.5	U	0.495	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.248	U	0.25	U	0.249	U	0.246	U	0.25	U	0.248	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.495	U	0.5	U	0.498	U	0.493	U	0.5	U	0.495	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.495	U	0.5	U	0.498	U	0.493	U	0.5	U	0.495	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.248	U	0.25	U	0.249	U	0.246	U	0.25	U	0.248	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.495	U	0.5	U	0.598		0.493	U	0.5	U	0.495	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.495	U	0.5	U	0.11	J	0.493	U	0.5	U	0.495	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.27		0.25	U	0.977		0.246	U	0.25	U	0.248	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	29.9		0.312		1298		0.246	U	0.574		0.248	U

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GROUP_NAME			TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B112		TNTA-B112	
LOCATION_CODE			TNTA-SO314		TNTA-SO361		TNTA-SO362		TNTA-SO405		TNTA-SO406		TNTA-SO123		TNTA-SO124	
SAMPLE_NO			AA0314		AA0361		AA0362		AA0405		AA0406		AA0123		AA0124	
SAMPLE_DATE			15-Aug-00		12-Sep-00		12-Sep-00		21-Sep-00		21-Sep-00		19-Jul-00		19-Jul-00	
START.DEPTH			0		4		8		0.5		0.5		2		2	
END.DEPTH			1		6		10		1.5		1.5		3		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	2.87		0.25	U	0.137	J	2.39		5.31		0.246	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	1.75		0.25	U	1.84		2.73		7.99		0.169	J
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.249	U	0.246	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	12		0.25	U	0.25	U	2.65		0.249	U	0.14	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.498	U	0.493	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.249	U	0.246	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	2.69		0.614		0.5	U	0.5	U	0.498	U	0.493	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.902		0.5	U	0.5	U	0.252	J	0.427	J	0.493	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	1.07		0.449	J	0.5	U	0.5	U	0.249	U	0.246	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.498	U	0.493	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.798		0.5	U	0.5	U	0.5	U	0.249	J	0.493	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.114	J	0.246	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.483		0.25	U	0.16	J	0.482		39.1		0.246	U

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GROUP_NAME			TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111		TNTA-B111	
LOCATION_CODE			TNTA-SO108		TNTA-SO109		TNTA-SO110		TNTA-SO111		TNTA-SO305		TNTA-SO306		TNTA-SO307	
SAMPLE_NO			AA0108		AA0109		AA0110		AA0111		AA0305		AA0306		AA0307	
SAMPLE_DATE			20-Jul-00		20-Jul-00		20-Jul-00		20-Jul-00		15-Aug-00		15-Aug-00		15-Aug-00	
START.DEPTH			1		0.5		0.5		1		2		0.5		1	
END.DEPTH			2		1.5		1.5		2		3		1.5		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.518		1.31		1.31		0.654		0.25	U	0.227	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.58		0.842		0.53		0.344		0.25	U	0.227	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.397		0.606		1.24		0.739		0.25	U	0.227	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.164	J	0.25	U	0.238	U	0.238	U	0.25	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.18	J	0.191	J	0.377		0.25	U	0.227	U

Soil Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B192			TNTA-B195			TNTA-B195		
LOCATION_CODE		TNTA-SO279			TNTA-SO012			TNTA-SO012		
SAMPLE_NO		AA0450			AA0426			AA0460		
SAMPLE_DATE		25-Sep-00			25-Sep-00			29-Sep-00		
START_DEPTH		2			2			4		
END_DEPTH		3			3			6		
SAMPLE_PURPOSE		REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.17	U	U	1.16	U	U	1.1	U	U
METALS	Silver	0.704	U	U	0.697	U	U	0.657	U	U
METALS	Sodium	178	B	B	115	B	B	223		
METALS	Thallium	2.35	U	U	2.32	U	U	1.34	B	J
METALS	Vanadium	13.4			18.9			24.1		
METALS	Zinc	140			53.7			234		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE			TNTA-SD01			TNTA-SD02			TNTA-SD03			TNTA-SD04			TNTA-SD04		
SAMPLE_NO			AA1001			AA1002			AA1003			AA1004			AA1011		
SAMPLE_DATE			19-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																	
END_DEPTH																	
SAMPLE_PURPOSE			REG			REG			REG			REG			FD		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Hexanone, 2-	mg/kg	0.0139	U	U	0.0127	U	U	0.0126	U	U	0.013	U	U	0.0133	U	U
VOLATILES	Methyl-2-pentanone, 4-	mg/kg	0.0139	U	U	0.0127	U	U	0.0126	U	U	0.013	U	U	0.0133	U	U
VOLATILES	Methylene chloride	mg/kg	0.00459	J	J	0.0625		B	0.0454		B	0.0283		B	0.0297		B
VOLATILES	Styrene	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Tetrachloroethene	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Toluene	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Trichloroethane, 1,1,1-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Trichloroethane, 1,1,2-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Trichloroethene	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Vinyl chloride	mg/kg	0.0139	U	U	0.0127	U	U	0.0126	U	U	0.013	U	U	0.0133	U	U
VOLATILES	Xylene, o-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
VOLATILES	Xylenes, m,p-	mg/kg	0.00696	U	U	0.00635	U	U	0.00631	U	U	0.00651	U	U	0.00665	U	U
SEMIVOLATILES	Acenaphthene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Acenaphthylene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Anthracene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Benzo(a)anthracene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Benzo(a)pyrene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Benzo(ghi)perylene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	mg/kg	0.464	U	U	0.0216	J	J	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Butyl benzyl phthalate	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Carbazole	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Chloroaniline, 4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Chlorophenol, 2-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE			TNTA-SD01			TNTA-SD02			TNTA-SD03			TNTA-SD04			TNTA-SD04		
SAMPLE_NO			AA1001			AA1002			AA1003			AA1004			AA1011		
SAMPLE_DATE			19-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																	
END_DEPTH																	
SAMPLE_PURPOSE			REG			REG			REG			REG			FD		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Di-n-butyl phthalate	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Di-n-octyl phthalate	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dibenzofuran	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	mg/kg	0.928	U	UJ	0.847	U	U	0.841	U	U	0.867	U	U	0.887	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Diethyl phthalate	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dimethyl phthalate	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	mg/kg	0.928	U	U	0.847	U	U	0.841	U	U	0.867	U	U	0.887	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	mg/kg	0.928	U	U	0.847	U	U	0.841	U	U	0.867	U	U	0.887	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.147	J	J	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	0.0844	J	J	0.423	U	U	0.0492	J	J	0.434	U	U	0.443	U	U
SEMIVOLATILES	Fluoranthene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Fluorene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Hexachlorobenzene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Hexachlorobutadiene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Hexachloroethane	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Isophorone	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Methylphenol, 2-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Methylphenol, 4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Naphthalene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Nitroaniline, 2-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Nitroaniline, 3-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Nitroaniline, 4-	mg/kg	0.464	U	UJ	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA			TNTA			TNTA			TNTA			TNTA	
LOCATION_CODE			TNTA-SD01			TNTA-SD02			TNTA-SD03			TNTA-SD04			TNTA-SD04	
SAMPLE_NO			AA1001			AA1002			AA1003			AA1004			AA1011	
SAMPLE_DATE			19-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00	
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE			REG			REG			REG			REG			FD	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Nitrophenol, 2-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Nitrophenol, 4-	mg/kg	0.928	U	U	0.847	U	U	0.841	U	U	0.867	U	U	0.887	U	U
SEMIVOLATILES	Pentachlorophenol	mg/kg	0.928	U	U	0.847	U	U	0.841	U	U	0.867	U	U	0.887	U	U
SEMIVOLATILES	Phenanthrene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Phenol	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Pyrene	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	mg/kg	0.464	U	U	0.423	U	U	0.421	U	U	0.434	U	U	0.443	U	U
PCBS	Aroclor 1016	mg/kg	0.0464	U	U	0.0423	U	U	0.0421	U	U	0.0434	U	U	0.0443	U	U
PCBS	Aroclor 1221	mg/kg	0.0464	U	U	0.0423	U	U	0.0421	U	U	0.0434	U	U	0.0443	U	U
PCBS	Aroclor 1232	mg/kg	0.0464	U	U	0.0423	U	U	0.0421	U	U	0.0434	U	U	0.0443	U	U
PCBS	Aroclor 1242	mg/kg	0.0464	U	U	0.0423	U	U	0.0421	U	U	0.0434	U	U	0.0443	U	U
PCBS	Aroclor 1248	mg/kg	0.0464	U	U	0.0423	U	U	0.0421	U	U	0.0434	U	U	0.0443	U	U
PCBS	Aroclor 1254	mg/kg	0.0464	U	U	0.0423	U	U	0.0421	U	U	0.0434	U	U	0.0443	U	U
PCBS	Aroclor 1260	mg/kg	0.0844	J	J	0.0847	U	U	0.121		J	0.0867	U	U	0.0887	U	U
METALS	Aluminum	mg/kg	3020			8800			7220			7730			8340		
METALS	Antimony	mg/kg	1.56	U	UJ	1.47	U	UJ	1.52	U	UJ	1.52	U	UJ	1.52	U	UJ
METALS	Arsenic	mg/kg	4.97			4.82			6.8			2.09			3.38		
METALS	Barium	mg/kg	24.7			26.8			41.3			18.6			19.3		
METALS	Beryllium	mg/kg	0.172	J	J	0.448		B	0.441		B	0.452		B	0.418		B
METALS	Cadmium	mg/kg	0.372	J	B	0.733	U	U	0.757	U	U	0.758	U	U	0.76	U	U
METALS	Calcium	mg/kg	64900		J	18600			2730			4080			6970		
METALS	Chromium	mg/kg	8.08			14.3			11.3			12.8			13.6		
METALS	Cobalt	mg/kg	2.9			11.2			5.69			4.27			5.11		
METALS	Copper	mg/kg	7.68		B	15.7			12.7			5.38			5.37		
METALS	Iron	mg/kg	13200			14900			16600			11700			14300		
METALS	Lead	mg/kg	13.1			10.5			47			5.8			5.49		
METALS	Magnesium	mg/kg	9510			6520			1650			1950			2180		
METALS	Manganese	mg/kg	169			277			205			97.5			170		
METALS	Mercury	mg/kg	0.036	J	J	0.041	U	U	0.035	J	J	0.025	J	J	0.022	J	J
METALS	Nickel	mg/kg	7.22		B	27.6			15.3			12.6			13.8		
METALS	Potassium	mg/kg	524		J	1740			566			1140			1140		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE			TNTA-SD01			TNTA-SD02			TNTA-SD03			TNTA-SD04			TNTA-SD04		
SAMPLE_NO			AA1001			AA1002			AA1003			AA1004			AA1011		
SAMPLE_DATE			19-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																	
END_DEPTH																	
SAMPLE_PURPOSE			REG			REG			REG			REG			FD		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	mg/kg	1.3	U	U	1.22	U	U	1.26	U	U	1.26	U	U	1.27	U	U
METALS	Silver	mg/kg	0.781	U	U	0.733	U	U	0.757	U	U	0.758	U	U	0.76	U	U
METALS	Sodium	mg/kg	252	J	J	89.8	J	J	71.6	J	J	108	J	J	69.7	J	J
METALS	Thallium	mg/kg	2.6	U	U	2.44	U	U	2.53	U	U	2.53	U	U	2.53	U	U
METALS	Vanadium	mg/kg	15.3			20.5			18.8			18.1			18.4		
METALS	Zinc	mg/kg	18.4			53.7			44.2			27.5			28.4		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD05			TNTA-SD06			TNTA-SD07			TNTA-SD08			TNTA-SD09		
SAMPLE_NO		AA1005			AA1006			AA1007			AA1008			AA1009		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			19-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.11			1.19			0.0707	J	J	0.0859	J	J	0.714		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.0963			2.92			0.1	U	U	0.063	J	J	2.65		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.087	U	U	0.0909	U	U	0.1	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Dinitrotoluene, total	0.364			0.576			0.555			0.133			0.0952	U	U
NITROAROMATICS	HMX	0.174	U	U	0.182	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrobenzene	0.087	U	U	0.0909	U	U	0.1	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.174	U	U	0.182	U	U	0.168	J	J	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.174	U	U	0.182	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.174	U	U	0.182	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	RDX	0.174	U	U	0.182	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Tetryl	0.174	U	U	0.182	U	U	0.2	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.087	U	U	0.0909	U	U	0.1	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.685			4.6			0.14			0.132			1.93		
VOLATILES	Acetone	0.0207			0.0163			0.0145			0.0135	U	U	0.0119	J	J
VOLATILES	Benzene	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Bromodichloromethane	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Bromoform	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Bromomethane	0.0139	U	U	0.013	U	U	0.0139	U	U	0.0135	U	U	0.0151	U	U
VOLATILES	Butanone, 2-	0.0139	U	U	0.013	U	U	0.0139	U	U	0.0135	U	U	0.0151	U	U
VOLATILES	Carbon disulfide	0.00696	U	U	0.0065	U	U	0.0102			0.00677	U	U	0.00756	U	U
VOLATILES	Carbon tetrachloride	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Chlorobenzene	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Chloroethane	0.0139	U	U	0.013	U	U	0.0139	U	U	0.0135	U	U	0.0151	U	U
VOLATILES	Chloroform	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Chloromethane	0.0139	U	U	0.013	U	U	0.0139	U	U	0.0135	U	U	0.0151	U	U
VOLATILES	Dibromochloromethane	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloroethane, 1,1-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloroethane, 1,2-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloroethene, 1,1-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloropropane, 1,2-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD05			TNTA-SD06			TNTA-SD07			TNTA-SD08			TNTA-SD09		
SAMPLE_NO		AA1005			AA1006			AA1007			AA1008			AA1009		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			19-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Hexanone, 2-	0.0139	U	U	0.013	U	U	0.0139	U	U	0.0135	U	U	0.0151	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0139	U	U	0.013	U	U	0.0139	U	U	0.0135	U	U	0.0151	U	U
VOLATILES	Methylene chloride	0.0433		B	0.034		B	0.0356		B	0.00373	J	J	0.0344		B
VOLATILES	Styrene	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Tetrachloroethene	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Toluene	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Trichloroethene	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Vinyl chloride	0.0139	U	U	0.013	U	U	0.0139	U	U	0.0135	U	U	0.0151	U	U
VOLATILES	Xylene, o-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
VOLATILES	Xylenes, m,p-	0.00696	U	U	0.0065	U	U	0.00693	U	U	0.00677	U	U	0.00756	U	U
SEMIVOLATILES	Acenaphthene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Acenaphthylene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Anthracene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.464	U	U	0.286	J	J	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.044	J	J	0.136	J	J	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.464	U	U	0.182	J	J	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Carbazole	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD05			TNTA-SD06			TNTA-SD07			TNTA-SD08			TNTA-SD09		
SAMPLE_NO		AA1005			AA1006			AA1007			AA1008			AA1009		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			19-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.464	U	U	0.163	J	J	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dibenzofuran	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.927	U	U	0.867	U	U	0.923	U	U	0.902	U	UJ	1.01	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Diethyl phthalate	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dimethyl phthalate	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.927	U	U	0.867	U	U	0.923	U	U	0.902	U	U	1.01	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.927	U	U	0.867	U	U	0.923	U	U	0.902	U	U	1.01	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.464	U	U	0.433	U	U	0.116	J	J	0.451	U	U	0.504	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.464	U	U	0.433	U	U	0.0535	J	J	0.451	U	U	0.504	U	U
SEMIVOLATILES	Fluoranthene	0.464	U	U	0.688			0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Fluorene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Hexachlorobenzene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Hexachloroethane	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Isophorone	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Methylphenol, 2-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Methylphenol, 4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Naphthalene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	UJ	0.504	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD05			TNTA-SD06			TNTA-SD07			TNTA-SD08			TNTA-SD09		
SAMPLE_NO		AA1005			AA1006			AA1007			AA1008			AA1009		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			19-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.927	U	U	0.867	U	U	0.923	U	U	0.902	U	U	1.01	U	U
SEMIVOLATILES	Pentachlorophenol	0.927	U	U	0.867	U	U	0.923	U	U	0.902	U	U	1.01	U	U
SEMIVOLATILES	Phenanthrene	0.464	U	U	0.107	J	J	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Phenol	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Pyrene	0.464	U	U	0.458			0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.464	U	U	0.433	U	U	0.462	U	U	0.451	U	U	0.504	U	U
PCBS	Aroclor 1016	0.0928	U	U	0.0433	U	U	0.0461	U	U	0.0451	U	U	0.0504	U	U
PCBS	Aroclor 1221	0.0928	U	U	0.0433	U	U	0.0461	U	U	0.0451	U	U	0.0504	U	U
PCBS	Aroclor 1232	0.0928	U	U	0.0433	U	U	0.0461	U	U	0.0451	U	U	0.0504	U	U
PCBS	Aroclor 1242	0.0928	U	U	0.0433	U	U	0.0461	U	U	0.0451	U	U	0.0504	U	U
PCBS	Aroclor 1248	0.0928	U	U	0.0433	U	U	0.0461	U	U	0.0451	U	U	0.0504	U	U
PCBS	Aroclor 1254	0.0928	U	U	0.0433	U	U	0.0461	U	U	0.0451	U	U	0.0504	U	U
PCBS	Aroclor 1260	0.731			0.0866	U	U	0.0923	U	U	0.0204	J	J	0.101	U	U
METALS	Aluminum	10500			12200			14100			14300			11400		
METALS	Antimony	1.58	U	UJ	1.49	U	UJ	1.61	U	UJ	1.49	U	UJ	1.8	U	UJ
METALS	Arsenic	21.1			5.88			2.82			3.3			25		
METALS	Barium	46.2			35.1			38.4			60.7			177		
METALS	Beryllium	0.772			0.636			0.689			0.87			1.56		
METALS	Cadmium	0.164	J	J	0.743	U	U	0.807	U	U	0.551	J	B	1.16		
METALS	Calcium	8820			61600			38100			5490		J	24500		
METALS	Chromium	17.4			21.3			24.2			24.1			20.1		
METALS	Cobalt	12.2			16.9			15			9.17			84.9		
METALS	Copper	18.4			14.6			13.9			9.17		B	26.5		
METALS	Iron	40600			21700			21100			19000			58300		
METALS	Lead	48.6			10.7			8.87			9			59		
METALS	Magnesium	2630			6750			6910			3430			5280		
METALS	Manganese	243			973			615			149			2770		
METALS	Mercury	0.05			0.042	U	U	0.041	U	U	0.207			0.047	U	U
METALS	Nickel	28.6			44			44.7			26.2			117		
METALS	Potassium	1290			3030			2900			2170		J	2090		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD05			TNTA-SD06			TNTA-SD07			TNTA-SD08			TNTA-SD09		
SAMPLE_NO		AA1005			AA1006			AA1007			AA1008			AA1009		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			19-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.13	J	B	1.24	U	U	1.35	U	U	0.851	J	J	1.5	U	U
METALS	Silver	0.788	U	U	0.743	U	U	0.807	U	U	0.746	U	U	0.899	U	U
METALS	Sodium	263	U	U	179	J	J	149	J	J	177	J	J	300	U	U
METALS	Thallium	2.63	U	U	2.48	U	U	2.69	U	U	2.49	U	U	3	U	U
METALS	Vanadium	29			17			18.8			29.4			26.4		
METALS	Zinc	109			78.5			76.5			55.7			201		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD10			TNTA-SD11			TNTA-SD12			TNTA-SD13			TNTA-SD14		
SAMPLE_NO		AA1010			AA1013			AA1014			AA1015			AA1016		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.0909	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.0909	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0909	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.0455	J	J	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	HMX	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.0909	U	U	0.0501	J	J	0.0765	J	J	0.27			0.0631	J	J
NITROAROMATICS	Nitrotoluene, 2-	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	RDX	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.182	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.0909	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.0635	J	J	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
VOLATILES	Acetone	0.0133	U	U	0.0283			0.0284			0.0168			0.0283		
VOLATILES	Benzene	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Bromodichloromethane	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Bromoform	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Bromomethane	0.0133	U	U	0.0184	U	U	0.0167	U	U	0.0164	U	U	0.0184	U	U
VOLATILES	Butanone, 2-	0.0133	U	U	0.0184	U	U	0.0167	U	U	0.0164	U	U	0.0184	U	U
VOLATILES	Carbon disulfide	0.00664	U	U	0.00262	J	J	0.00836	U	U	0.00818	U	U	0.00458	J	J
VOLATILES	Carbon tetrachloride	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Chlorobenzene	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Chloroethane	0.0133	U	U	0.0184	U	U	0.0167	U	U	0.0164	U	U	0.0184	U	U
VOLATILES	Chloroform	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Chloromethane	0.0133	U	U	0.0184	U	U	0.0167	U	U	0.0164	U	U	0.0184	U	U
VOLATILES	Dibromochloromethane	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloroethane, 1,1-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloroethane, 1,2-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloroethene, 1,1-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloropropane, 1,2-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD10			TNTA-SD11			TNTA-SD12			TNTA-SD13			TNTA-SD14		
SAMPLE_NO		AA1010			AA1013			AA1014			AA1015			AA1016		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Hexanone, 2-	0.0133	U	U	0.0184	U	U	0.0167	U	U	0.0164	U	U	0.0184	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0133	U	U	0.0184	U	U	0.0167	U	U	0.0164	U	U	0.0184	U	U
VOLATILES	Methylene chloride	0.0277		B	0.0357		B	0.024		B	0.0202		B	0.0203		B
VOLATILES	Styrene	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Tetrachloroethene	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Toluene	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Trichloroethene	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Vinyl chloride	0.0133	U	U	0.0184	U	U	0.0167	U	U	0.0164	U	U	0.0184	U	U
VOLATILES	Xylene, o-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
VOLATILES	Xylenes, m,p-	0.00664	U	U	0.00921	U	U	0.00836	U	U	0.00818	U	U	0.00922	U	U
SEMIVOLATILES	Acenaphthene	0.442	U	U	0.109	J	J	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Acenaphthylene	0.442	U	U	0.298	J	J	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Anthracene	0.442	U	U	0.6	J	J	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.442	U	U	2.81			0.0881	J	J	0.545	U	U	0.615	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.442	U	U	1.93			0.077	J	J	0.545	U	U	0.0578	J	J
SEMIVOLATILES	Benzo(b)fluoranthene	0.442	U	U	2.34			0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.442	U	U	0.861			0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.442	U	U	1.11			0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.442	U	U	0.614	U	U	0.0686	J	J	0.0354	J	J	0.615	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Carbazole	0.442	U	U	0.0896	J	J	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD10			TNTA-SD11			TNTA-SD12			TNTA-SD13			TNTA-SD14		
SAMPLE_NO		AA1010			AA1013			AA1014			AA1015			AA1016		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.442	U	U	2.92			0.0742	J	J	0.545	U	U	0.615	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.442	U	U	0.327	J	J	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dibenzofuran	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.884	U	U	1.23	U	U	1.12	U	U	1.09	U	U	1.23	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Diethyl phthalate	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dimethyl phthalate	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.884	U	U	1.23	U	U	1.12	U	U	1.09	U	U	1.23	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.884	U	U	1.23	U	U	1.12	U	U	1.09	U	U	1.23	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Fluoranthene	0.442	U	U	5.95			0.161	J	J	0.545	U	U	0.143	J	J
SEMIVOLATILES	Fluorene	0.442	U	U	0.223	J	J	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Hexachlorobenzene	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Hexachloroethane	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.442	U	U	0.778			0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Isophorone	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Methylphenol, 2-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Methylphenol, 4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Naphthalene	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD10			TNTA-SD11			TNTA-SD12			TNTA-SD13			TNTA-SD14		
SAMPLE_NO		AA1010			AA1013			AA1014			AA1015			AA1016		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.884	U	U	1.23	U	U	1.12	U	U	1.09	U	U	1.23	U	U
SEMIVOLATILES	Pentachlorophenol	0.884	U	U	1.23	U	U	1.12	U	U	1.09	U	U	1.23	U	U
SEMIVOLATILES	Phenanthrene	0.442	U	U	3.58			0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Phenol	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Pyrene	0.442	U	U	4.74			0.119	J	J	0.545	U	U	0.615	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.442	U	U	0.614	U	U	0.558	U	U	0.545	U	U	0.615	U	U
PCBS	Aroclor 1016	0.0443	U	U	0.0614	U	U	0.0557	U	U	0.0545	U	U	0.0615	U	U
PCBS	Aroclor 1221	0.0443	U	U	0.0614	U	U	0.0557	U	U	0.0545	U	U	0.0615	U	U
PCBS	Aroclor 1232	0.0443	U	U	0.0614	U	U	0.0557	U	U	0.0545	U	U	0.0615	U	U
PCBS	Aroclor 1242	0.0443	U	U	0.0614	U	U	0.0557	U	U	0.0545	U	U	0.0615	U	U
PCBS	Aroclor 1248	0.0443	U	U	0.0614	U	U	0.0557	U	U	0.0545	U	U	0.0615	U	U
PCBS	Aroclor 1254	0.0443	U	U	0.0614	U	U	0.0557	U	U	0.0545	U	U	0.0615	U	U
PCBS	Aroclor 1260	0.0885	U	U	0.116	J	J	0.0586	J	J	0.0293	J	J	0.123	U	U
METALS	Aluminum	11800			10400			9860			10500			11400		
METALS	Antimony	1.56	U	UJ	2.13	U	UJ	1.93	U	UJ	1.87	U	UJ	2.11	U	UJ
METALS	Arsenic	10.5			6.69			3.53			6.48			6.67		
METALS	Barium	110			63.6			62.3			60.5			68.2		
METALS	Beryllium	1.28			0.732			0.528			0.665			0.695		
METALS	Cadmium	0.268	J	J	0.673	J	J	0.228	J	J	0.487	J	J	0.584	J	J
METALS	Calcium	68700			15800			6300			14500			10200		
METALS	Chromium	19.1			20.8			15.8			25.6			31.8		
METALS	Cobalt	60			17.6			7.87			13.4			12.2		
METALS	Copper	20.3			29.5			21.8			27.6			28.7		
METALS	Iron	27600			21900			14500			18600			20200		
METALS	Lead	14.5			31.3			13.4			25.3			32.4		
METALS	Magnesium	5820			4850			3230			4850			4210		
METALS	Manganese	2480			331			178			273			277		
METALS	Mercury	0.042	U	U	0.117			0.037	J	J	0.087			0.097		
METALS	Nickel	99.6			49.9			24.8			39.3			39.6		
METALS	Potassium	2470			1380			1010			1290			1400		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SD10			TNTA-SD11			TNTA-SD12			TNTA-SD13			TNTA-SD14		
SAMPLE_NO		AA1010			AA1013			AA1014			AA1015			AA1016		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.3	U	U	1.77	U	U	1.23	J	J	1.39	J	B	1.76	U	U
METALS	Silver	0.557	J	J	1.06	U	U	0.965	U	U	0.934	U	U	1.05	U	U
METALS	Sodium	99.3	J	J	168	J	J	322	U	U	174	J	J	351	U	U
METALS	Thallium	2.6	U	U	3.54	U	U	3.22	U	U	3.12	U	U	3.51	U	U
METALS	Vanadium	17.8			19.7			20.6			20.3			20.6		
METALS	Zinc	118			107			54.5			115			107		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SD15		
SAMPLE_NO		AA1017		
SAMPLE_DATE		20-Sep-00		
START_DEPTH				
END_DEPTH				
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.1	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.1	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.1	U	U
NITROAROMATICS	HMX	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.055	J	J
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U
NITROAROMATICS	RDX	0.2	U	U
NITROAROMATICS	Tetryl	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.1	U	U
VOLATILES	Acetone	0.014	U	U
VOLATILES	Benzene	0.00702	U	U
VOLATILES	Bromodichloromethane	0.00702	U	U
VOLATILES	Bromoform	0.00702	U	U
VOLATILES	Bromomethane	0.014	U	U
VOLATILES	Butanone, 2-	0.014	U	U
VOLATILES	Carbon disulfide	0.00702	U	U
VOLATILES	Carbon tetrachloride	0.00702	U	U
VOLATILES	Chlorobenzene	0.00702	U	U
VOLATILES	Chloroethane	0.014	U	U
VOLATILES	Chloroform	0.00702	U	U
VOLATILES	Chloromethane	0.014	U	U
VOLATILES	Dibromochloromethane	0.00702	U	U
VOLATILES	Dichloroethane, 1,1-	0.00702	U	U
VOLATILES	Dichloroethane, 1,2-	0.00702	U	U
VOLATILES	Dichloroethene, 1,1-	0.00702	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00702	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00702	U	U
VOLATILES	Dichloropropane, 1,2-	0.00702	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00702	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00702	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SD15		
SAMPLE_NO		AA1017		
SAMPLE_DATE		20-Sep-00		
START_DEPTH				
END_DEPTH				
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00702	U	U
VOLATILES	Hexanone, 2-	0.014	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.014	U	U
VOLATILES	Methylene chloride	0.0141		B
VOLATILES	Styrene	0.00702	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00702	U	U
VOLATILES	Tetrachloroethene	0.00702	U	U
VOLATILES	Toluene	0.00702	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00702	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00702	U	U
VOLATILES	Trichloroethene	0.00702	U	U
VOLATILES	Vinyl chloride	0.014	U	U
VOLATILES	Xylene, o-	0.00702	U	U
VOLATILES	Xylenes, m,p-	0.00702	U	U
SEMIVOLATILES	Acenaphthene	0.468	U	U
SEMIVOLATILES	Acenaphthylene	0.468	U	U
SEMIVOLATILES	Anthracene	0.468	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.0683	J	J
SEMIVOLATILES	Benzo(a)pyrene	0.0791	J	J
SEMIVOLATILES	Benzo(b)fluoranthene	0.104	J	J
SEMIVOLATILES	Benzo(ghi)perylene	0.468	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.468	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.468	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.468	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.468	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.468	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.468	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.468	U	U
SEMIVOLATILES	Carbazole	0.468	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.468	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.468	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.468	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.468	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.468	U	U

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SD15		
SAMPLE_NO		AA1017		
SAMPLE_DATE		20-Sep-00		
START_DEPTH				
END_DEPTH				
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.0664	J	J
SEMIVOLATILES	Di-n-butyl phthalate	0.468	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.468	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.468	U	U
SEMIVOLATILES	Dibenzofuran	0.468	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.468	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.468	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.468	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.936	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.468	U	U
SEMIVOLATILES	Diethyl phthalate	0.468	U	U
SEMIVOLATILES	Dimethyl phthalate	0.468	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.468	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.936	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.936	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.468	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.468	U	U
SEMIVOLATILES	Fluoranthene	0.175	J	J
SEMIVOLATILES	Fluorene	0.468	U	U
SEMIVOLATILES	Hexachlorobenzene	0.468	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.468	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.468	U	U
SEMIVOLATILES	Hexachloroethane	0.468	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.468	U	U
SEMIVOLATILES	Isophorone	0.468	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.468	U	U
SEMIVOLATILES	Methylphenol, 2-	0.468	U	U
SEMIVOLATILES	Methylphenol, 4-	0.468	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.468	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.468	U	U
SEMIVOLATILES	Naphthalene	0.468	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.468	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.468	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.468	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SD15		
SAMPLE_NO		AA1017		
SAMPLE_DATE		20-Sep-00		
START_DEPTH				
END_DEPTH				
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.468	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.468	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.936	U	U
SEMIVOLATILES	Pentachlorophenol	0.936	U	U
SEMIVOLATILES	Phenanthrene	0.101	J	J
SEMIVOLATILES	Phenol	0.468	U	U
SEMIVOLATILES	Pyrene	0.132	J	J
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.468	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.468	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.468	U	U
PCBS	Aroclor 1016	0.0468	U	U
PCBS	Aroclor 1221	0.0468	U	U
PCBS	Aroclor 1232	0.0468	U	U
PCBS	Aroclor 1242	0.0468	U	U
PCBS	Aroclor 1248	0.0468	U	U
PCBS	Aroclor 1254	0.0468	U	U
PCBS	Aroclor 1260	0.0194	J	J
METALS	Aluminum	9750		
METALS	Antimony	1.68	U	UJ
METALS	Arsenic	3.66		
METALS	Barium	70		
METALS	Beryllium	0.525		
METALS	Cadmium	0.274	J	J
METALS	Calcium	5360		
METALS	Chromium	16.4		
METALS	Cobalt	7.39		
METALS	Copper	20.1		
METALS	Iron	13400		
METALS	Lead	31.4		
METALS	Magnesium	2680		
METALS	Manganese	144		
METALS	Mercury	0.044	J	J
METALS	Nickel	21.1		
METALS	Potassium	860		

Sediment Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SD15		
SAMPLE_NO		AA1017		
SAMPLE_DATE		20-Sep-00		
START_DEPTH				
END_DEPTH				
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
METALS	Selenium	1.4	U	U
METALS	Silver	0.842	U	U
METALS	Sodium	132	J	J
METALS	Thallium	2.81	U	U
METALS	Vanadium	20.1		
METALS	Zinc	56		

Groundwater Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTA-B111			TNTA-B112			TNTA-B116			TNTA-B119			TNTA-B126		
LOCATION_CODE				TNTA-GW01			TNTA-GW02			TNTA-GW04			TNTA-GW03			TNTA-GW06		
SAMPLE_NO				AA3001			AA3002			AA3004			AA3003			AA3006		
SAMPLE_DATE				11-Oct-00			11-Oct-00			12-Oct-00			12-Oct-00			27-Sep-00		
START_DEPTH				5			12									13		
END_DEPTH				9			14									14		
SAMPLE_PURPOSE				REG			REG			REG			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	ug/L	N	0.26	U	U	28.9			201			0.26	U	U	230		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	ug/L	N	0.26	U	U	16.1			139			0.26	U	U	217		
NITROAROMATICS	Dinitrobenzene, 1,3-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.563			0.654		
NITROAROMATICS	Dinitrotoluene, total	ug/L	N	14.5			0.26	U	U	0.26	U	U	771			24.6		
NITROAROMATICS	HMX	ug/L	N	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrobenzene	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	5.37			0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	ug/L	N	129			0.52	U	U	0.599			2510			0.52	U	U
NITROAROMATICS	Nitrotoluene, 3-	ug/L	N	8.3			0.52	U	U	0.52	U	U	190			0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	ug/L	N	86.3			0.52	U	U	0.519	U	U	1880			0.52	U	U
NITROAROMATICS	RDX	ug/L	N	0.52	U	U	0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Tetryl	ug/L	N	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	ug/L	N	0.26	U	U	0.279			0.26	U	U	0.26	U	U	7.93		
NITROAROMATICS	Trinitrotoluene, 2,4,6-	ug/L	N	0.26	U	U	137			157			0.26	U	U	32400		
VOLATILES	Acetone	ug/L	N	5	U	U	5	U	R	5	U	R	5	U	R	6.59		J
VOLATILES	Benzene	ug/L	N	4.81			1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	ug/L	N	5	U	U	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	ug/L	N	1.16			1	U	U	1	U	U	0.79	J	J	1	U	U
VOLATILES	Carbon tetrachloride	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	UJ
VOLATILES	Dibromochloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTA-B111			TNTA-B112			TNTA-B116			TNTA-B119			TNTA-B126		
LOCATION_CODE				TNTA-GW01			TNTA-GW02			TNTA-GW04			TNTA-GW03			TNTA-GW06		
SAMPLE_NO				AA3001			AA3002			AA3004			AA3003			AA3006		
SAMPLE_DATE				11-Oct-00			11-Oct-00			12-Oct-00			12-Oct-00			27-Sep-00		
START_DEPTH				5			12									13		
END_DEPTH				9			14									14		
SAMPLE_PURPOSE				REG			REG			REG			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	ug/L	N	2.33			1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	ug/L	N	5	U	U	5	U	U	5	U	R	5	U	R	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	ug/L	N	0.99	JB	B	1.23	B	B	0.86	JB	B	0.94	JB	B	0.82	J	B
VOLATILES	Styrene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	ug/L	N	1350			1	U	U	1	U	U	5.24			1	U	U
VOLATILES	Trichloroethane, 1,1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	ug/L	N	5.29			1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	ug/L	N	6.9			1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Acenaphthylene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Anthracene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Benzo(a)anthracene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Benzo(a)pyrene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Benzo(ghi)perylene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Butyl benzyl phthalate	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Carbazole	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Chloroaniline, 4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Chlorophenol, 2-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U

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GROUP_NAME				TNTA-B111			TNTA-B112			TNTA-B116			TNTA-B119			TNTA-B126		
LOCATION_CODE				TNTA-GW01			TNTA-GW02			TNTA-GW04			TNTA-GW03			TNTA-GW06		
SAMPLE_NO				AA3001			AA3002			AA3004			AA3003			AA3006		
SAMPLE_DATE				11-Oct-00			11-Oct-00			12-Oct-00			12-Oct-00			27-Sep-00		
START_DEPTH				5			12									13		
END_DEPTH				9			14									14		
SAMPLE_PURPOSE				REG			REG			REG			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Di-n-butyl phthalate	ug/L	N	123	U	UJ	10.2	U	U	11.6	B	B	10.1	JB	B	10.9	U	U
SEMIVOLATILES	Di-n-octyl phthalate	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dibenzofuran	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	ug/L	N	247	U	UJ	20.4	U	U	22.7	U	U	48.8	U	UJ	21.7	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Diethyl phthalate	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dimethyl phthalate	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	ug/L	N	247	U	UJ	20.4	U	U	22.7	U	U	48.8	U	UJ	21.7	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	ug/L	N	247	U	UJ	20.4	U	U	22.7	U	UJ	48.8	U	UJ	21.7	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	ug/L	N	957		J	3.29	J	J	11.4	U	U	218		J	3.92	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	ug/L	N	377		J	10.2	U	U	11.4	U	U	50.8		J	10.9	U	U
SEMIVOLATILES	Fluoranthene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Fluorene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Hexachlorobenzene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Hexachlorobutadiene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Hexachloroethane	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Isophorone	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Methylphenol, 2-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Methylphenol, 4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Naphthalene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Nitroaniline, 2-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Nitroaniline, 3-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Nitroaniline, 4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U

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GROUP_NAME				TNTA-B111			TNTA-B112			TNTA-B116			TNTA-B119			TNTA-B126		
LOCATION_CODE				TNTA-GW01			TNTA-GW02			TNTA-GW04			TNTA-GW03			TNTA-GW06		
SAMPLE_NO				AA3001			AA3002			AA3004			AA3003			AA3006		
SAMPLE_DATE				11-Oct-00			11-Oct-00			12-Oct-00			12-Oct-00			27-Sep-00		
START_DEPTH				5			12									13		
END_DEPTH				9			14									14		
SAMPLE_PURPOSE				REG			REG			REG			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Nitrophenol, 2-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Nitrophenol, 4-	ug/L	N	247	U	UJ	20.4	U	U	22.7	U	U	48.8	U	UJ	21.7	U	U
SEMIVOLATILES	Pentachlorophenol	ug/L	N	247	U	UJ	20.4	U	U	22.7	U	U	48.8	U	UJ	21.7	U	U
SEMIVOLATILES	Phenanthrene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Phenol	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Pyrene	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	ug/L	N	123	U	UJ	10.2	U	U	11.4	U	U	24.4	U	UJ	10.9	U	U
PCBS	Aroclor 1016	ug/L	N	1.24	U	U	1.02	U	U	1.32	U	U	1.22	U	U	1.1	U	U
PCBS	Aroclor 1221	ug/L	N	1.24	U	U	1.02	U	U	1.32	U	U	1.22	U	U	1.1	U	U
PCBS	Aroclor 1232	ug/L	N	1.24	U	U	1.02	U	U	1.32	U	U	1.22	U	U	1.1	U	U
PCBS	Aroclor 1242	ug/L	N	1.24	U	U	1.02	U	U	1.32	U	U	1.22	U	U	1.1	U	U
PCBS	Aroclor 1248	ug/L	N	1.24	U	U	1.02	U	U	1.32	U	U	1.22	U	U	1.1	U	U
PCBS	Aroclor 1254	ug/L	N	1.24	U	U	1.02	U	U	1.32	U	U	1.22	U	U	1.1	U	U
PCBS	Aroclor 1260	ug/L	N	2.47	U	U	2.04	U	U	2.63	U	U	0.239	J	J	2.2	U	U
METALS	Aluminum	ug/L	N	48600			26300			24100			9150			15600		
METALS	Aluminum	ug/L	Y				29.3	B	J							281		
METALS	Antimony	ug/L	N	6	U	U	6	U	U	6	U	U	12.5			6	U	UJ
METALS	Antimony	ug/L	Y				6	U	U							6	U	UJ
METALS	Arsenic	ug/L	N	52.7			30.6		J	8.04			16			8.88		
METALS	Arsenic	ug/L	Y				5	U	U							5	U	U
METALS	Barium	ug/L	N	669			140			229			236			174		
METALS	Barium	ug/L	Y				25.3									52.6		
METALS	Beryllium	ug/L	N	4.23			1.98			2.03			0.433	B	J	0.854	B	J
METALS	Beryllium	ug/L	Y				1	U	U							1	U	U
METALS	Cadmium	ug/L	N	5.96			3	U	U	2.01	B	J	0.793	B	J	1.26	B	J
METALS	Cadmium	ug/L	Y				3	U	U							3	U	U
METALS	Calcium	ug/L	N	229000			557000			264000			212000			237000		
METALS	Calcium	ug/L	Y				204000									173000		
METALS	Chromium	ug/L	N	66.3			62.1			26.8			11.9			27.2		
METALS	Chromium	ug/L	Y				1.15	B	J							5	U	U
METALS	Cobalt	ug/L	N	37.7			25.8			17.8			10			13.3		

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GROUP_NAME				TNTA-B111			TNTA-B112			TNTA-B116			TNTA-B119			TNTA-B126		
LOCATION_CODE				TNTA-GW01			TNTA-GW02			TNTA-GW04			TNTA-GW03			TNTA-GW06		
SAMPLE_NO				AA3001			AA3002			AA3004			AA3003			AA3006		
SAMPLE_DATE				11-Oct-00			11-Oct-00			12-Oct-00			12-Oct-00			27-Sep-00		
START_DEPTH				5			12									13		
END_DEPTH				9			14									14		
SAMPLE_PURPOSE				REG			REG			REG			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Cobalt	ug/L	Y				5	U	U							2.01	B	J
METALS	Copper	ug/L	N	54.9			57.3			23.1			24.4			41.1		
METALS	Copper	ug/L	Y				2.59	B	J							2.38	B	B
METALS	Iron	ug/L	N	78700			67100			22800			22500			28700		
METALS	Iron	ug/L	Y				94.6	B	J							417		
METALS	Lead	ug/L	N	566			63.7			50.5			1010			320		
METALS	Lead	ug/L	Y				3	U	U							4.61		
METALS	Magnesium	ug/L	N	29200			103000			34300			24700			68000		
METALS	Magnesium	ug/L	Y				25700									59300		
METALS	Manganese	ug/L	N	7050			1910			1430			1480			1540		
METALS	Manganese	ug/L	Y				187									1540		
METALS	Mercury	ug/L	N	0.22			0.2	U	U	0.126	B	J	0.2	U	U	1.74		
METALS	Mercury	ug/L	Y				0.2	U	U							0.2	U	U
METALS	Nickel	ug/L	N	65.1			66.7			30.5			16.7			44		
METALS	Nickel	ug/L	Y				5	U	U							5	U	U
METALS	Potassium	ug/L	N	13400			7150			6800			8650			13600		
METALS	Potassium	ug/L	Y				2350									9110		
METALS	Selenium	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Selenium	ug/L	Y				5	U	U							5	U	U
METALS	Silver	ug/L	N	3	U	U	3	U	U	3	U	U	1.26	B	B	0.987	B	J
METALS	Silver	ug/L	Y				3	U	U							0.975	B	J
METALS	Sodium	ug/L	N	6300			9680			97700			20400			113000		
METALS	Sodium	ug/L	Y				7480									117000		
METALS	Thallium	ug/L	N	10	U	U	10	U	U	10	U	U	10	U	U	10	U	U
METALS	Thallium	ug/L	Y				10	U	U							10	U	U
METALS	Vanadium	ug/L	N	106			86.8			32.9			19.7			29.9		
METALS	Vanadium	ug/L	Y				5	U	U							5	U	U
METALS	Zinc	ug/L	N	923			237			219			92.5			280		
METALS	Zinc	ug/L	Y				15	U	U							16.4		

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GROUP_NAME		TNTA-B131			TNTA-B146			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-GW08			TNTA-GW05			TNTA-GW10			TNTA-GW10			TNTA-GW07		
SAMPLE_NO		AA3008			AA3005			AA3010			AA3011			AA3007		
SAMPLE_DATE		12-Oct-00			11-Oct-00			26-Sep-00			26-Sep-00			11-Oct-00		
START_DEPTH		6			1			8			8			5		
END_DEPTH		7_6			9			9			9			6		
SAMPLE_PURPOSE		REG			REG			REG			FD			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.26	U	U	931			0.26	U	U	0.26	U	U	0.629		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.26	U	U	1890			0.26	U	U	0.26	U	U	0.937		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.26	U	U	0.529			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	30.9			0.26	U	U	13800			8650			0.526		
NITROAROMATICS	HMX	0.519	U	U	0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrobenzene	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	115			0.52	U	U	0.519	U	U	26.6			0.52	U	U
NITROAROMATICS	Nitrotoluene, 3-	7.62			0.52	U	U	27.8			29.5			0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	28.6			0.52	U	U	8.35			10.3			0.52	U	U
NITROAROMATICS	RDX	0.519	U	U	0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Tetryl	0.519	U	U	0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.26	U	U	19			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.26	U	U	11500			50.9			62			0.451		
VOLATILES	Acetone	5	U	R	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Benzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	5	U	R	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	1	U	U	1	U	U	1	U	U	1	U	U	0.86	J	J
VOLATILES	Carbon tetrachloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	1	U	U	1	U	U	0.53	J	J	1	U	U	1	U	U
VOLATILES	Dibromochloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	1	U	U	2.11			1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B131			TNTA-B146			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-GW08			TNTA-GW05			TNTA-GW10			TNTA-GW10			TNTA-GW07		
SAMPLE_NO		AA3008			AA3005			AA3010			AA3011			AA3007		
SAMPLE_DATE		12-Oct-00			11-Oct-00			26-Sep-00			26-Sep-00			11-Oct-00		
START_DEPTH		6			1			8			8			5		
END_DEPTH		7_6			9			9			9			6		
SAMPLE_PURPOSE		REG			REG			REG			FD			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	5	U	R	5	U	U	5	U	U	5	U	U	5	U	R
VOLATILES	Methyl-2-pentanone, 4-	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	0.59	JB	B	1.21	B	B	0.89	JB	B	0.99	JB	B	0.75	JB	B
VOLATILES	Styrene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	1.11			1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Acenaphthylene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Anthracene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Benzo(a)anthracene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Benzo(a)pyrene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Benzo(ghi)perylene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Butyl benzyl phthalate	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Carbazole	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Chloroaniline, 4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Chlorophenol, 2-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U

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GROUP_NAME		TNTA-B131			TNTA-B146			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-GW08			TNTA-GW05			TNTA-GW10			TNTA-GW10			TNTA-GW07		
SAMPLE_NO		AA3008			AA3005			AA3010			AA3011			AA3007		
SAMPLE_DATE		12-Oct-00			11-Oct-00			26-Sep-00			26-Sep-00			11-Oct-00		
START_DEPTH		6			1			8			8			5		
END_DEPTH		7_6			9			9			9			6		
SAMPLE_PURPOSE		REG			REG			REG			FD			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Di-n-butyl phthalate	1.8	JB	B	10.9	U	U	1080	U	U	1080	U	U	1.79	JB	B
SEMIVOLATILES	Di-n-octyl phthalate	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dibenzofuran	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	21.5	U	U	21.7	U	U	2150	U	U	2150	U	U	23.3	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Diethyl phthalate	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dimethyl phthalate	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	21.5	U	U	21.7	U	U	2150	U	U	2150	U	U	23.3	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	21.5	U	U	21.7	U	U	2150	U	U	2150	U	U	23.3	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	15.6			4.74	J	J	5750			6760			11.6	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	11.8			10.9	U	U	5610			6400			11.6	U	U
SEMIVOLATILES	Fluoranthene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Fluorene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Hexachlorobenzene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Hexachlorobutadiene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	10.8	U	U	10.9	U	U	1080	U	UJ	1080	U	UJ	11.6	U	U
SEMIVOLATILES	Hexachloroethane	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Isophorone	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Methylphenol, 2-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Methylphenol, 4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Naphthalene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Nitroaniline, 2-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Nitroaniline, 3-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Nitroaniline, 4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U

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GROUP_NAME		TNTA-B131			TNTA-B146			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-GW08			TNTA-GW05			TNTA-GW10			TNTA-GW10			TNTA-GW07		
SAMPLE_NO		AA3008			AA3005			AA3010			AA3011			AA3007		
SAMPLE_DATE		12-Oct-00			11-Oct-00			26-Sep-00			26-Sep-00			11-Oct-00		
START_DEPTH		6			1			8			8			5		
END_DEPTH		7_6			9			9			9			6		
SAMPLE_PURPOSE		REG			REG			REG			FD			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Nitrophenol, 2-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Nitrophenol, 4-	21.5	U	U	21.7	U	U	2150	U	U	2150	U	U	23.3	U	U
SEMIVOLATILES	Pentachlorophenol	21.5	U	U	21.7	U	U	2150	U	U	2150	U	U	23.3	U	U
SEMIVOLATILES	Phenanthrene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Phenol	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Pyrene	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	10.8	U	U	10.9	U	U	1080	U	U	1080	U	U	11.6	U	U
PCBS	Aroclor 1016	1.08	U	U	1.06	U	U	1.08	U	U	1.09	U	UJ	1.09	U	U
PCBS	Aroclor 1221	1.08	U	U	1.06	U	U	1.08	U	U	1.09	U	UJ	1.09	U	U
PCBS	Aroclor 1232	1.08	U	U	1.06	U	U	1.08	U	U	1.09	U	UJ	1.09	U	U
PCBS	Aroclor 1242	1.08	U	U	1.06	U	U	1.08	U	U	1.09	U	UJ	1.09	U	U
PCBS	Aroclor 1248	1.08	U	U	1.06	U	U	1.08	U	U	1.09	U	UJ	1.09	U	U
PCBS	Aroclor 1254	1.08	U	U	1.06	U	U	1.08	U	U	1.09	U	UJ	1.09	U	U
PCBS	Aroclor 1260	2.15	U	U	2.13	U	U	2.15	U	U	2.17	U	UJ	2.17	U	U
METALS	Aluminum	19600			34500			465			3710			144	B	J
METALS	Aluminum							38.4	B	B	44.3	B	B			
METALS	Antimony	6	U	U	6.25			6	U	U	6	U	U	6	U	U
METALS	Antimony							6	U	U	6	U	U			
METALS	Arsenic	19			21	J		5	U	U	5.43			5	U	U
METALS	Arsenic							5	U	U	5	U	U			
METALS	Barium	198			253			23.4			37.9			59.2		
METALS	Barium							22.2			21.8					
METALS	Beryllium	2.99			2.26			1	U	U	0.267	B	J	0.175	B	J
METALS	Beryllium							1	U	U	1	U	U			
METALS	Cadmium	3.54			6.39			0.751	B	J	0.708	B	J	3	U	U
METALS	Cadmium							0.702	B	J	0.448	B	J			
METALS	Calcium	144000			229000			237000			270000			525000		
METALS	Calcium							240000			233000					
METALS	Chromium	28.1			65.3			1.24	B	J	6.32			1.11	B	J
METALS	Chromium							5	U	U	5	U	U			
METALS	Cobalt	49			24.4			5.73			8.71			48.7		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA-B131			TNTA-B146			TNTA-B185			TNTA-B185			TNTA-B192		
LOCATION_CODE		TNTA-GW08			TNTA-GW05			TNTA-GW10			TNTA-GW10			TNTA-GW07		
SAMPLE_NO		AA3008			AA3005			AA3010			AA3011			AA3007		
SAMPLE_DATE		12-Oct-00			11-Oct-00			26-Sep-00			26-Sep-00			11-Oct-00		
START_DEPTH		6			1			8			8			5		
END_DEPTH		7_6			9			9			9			6		
SAMPLE_PURPOSE		REG			REG			REG			FD			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Cobalt							5.42			4.43	B	J			
METALS	Copper	117			253			4.53	B	B	9.54			1.62	B	B
METALS	Copper							3.52	B	B	5	U	U			
METALS	Iron	32000			63800			906			8040			15400		
METALS	Iron							39.1	B	B	100	U	U			
METALS	Lead	451			694			1.6	B	B	6.02		B	2.13	B	J
METALS	Lead							2.03	B	B	3	U	U			
METALS	Magnesium	20600			34600			20300			27700			130000		
METALS	Magnesium							19300			19300					
METALS	Manganese	1460			2080			1900			2240			2560		
METALS	Manganese							2060			1920					
METALS	Mercury	0.23			1.86			0.2	U	U	0.2	U	U	0.2	U	U
METALS	Mercury							0.2	U	U	0.2	U	U			
METALS	Nickel	103			68.6			11			22.9			98.9		
METALS	Nickel							8.84			9.08					
METALS	Potassium	5220			15500			2210			3090			2930		
METALS	Potassium							2210			2150					
METALS	Selenium	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Selenium							5	U	U	5	U	U			
METALS	Silver	3	U	U	3	U	U	3	U	U	3	U	U	3	U	U
METALS	Silver							3	U	U	3	U	U			
METALS	Sodium	6350			67800			6700			6730			8550		
METALS	Sodium							7390			6730					
METALS	Thallium	10	U	U	10	U	U	10	U	U	10	U	U	10	U	U
METALS	Thallium							10	U	U	10	U	U			
METALS	Vanadium	44			98.1			1.59	B	J	11.2			5	U	U
METALS	Vanadium							5	U	U	5	U	U			
METALS	Zinc	706			1830			37.2			110			53.6		
METALS	Zinc							25			28.3					

Surface Water Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE				TNTA-SO080			TNTA-SW02			TNTA-SW03			TNTA-SW04			TNTA-SW05		
SAMPLE_NO				AA2018			AA2002			AA2003			AA2004			AA2005		
SAMPLE_DATE				17-Jul-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH				0														
END_DEPTH				0														
SAMPLE_PURPOSE				REG			REG			REG			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	ug/L	N	58.6			2.34			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	ug/L	N	64.7			1.96			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	ug/L	N	0.65	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	ug/L	N	0.65	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	HMX	ug/L	N	1.3	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrobenzene	ug/L	N	0.65	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	ug/L	N	1.3	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 3-	ug/L	N	1.3	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	ug/L	N	1.3	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	RDX	ug/L	N	1.3	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Tetryl	ug/L	N	1.3	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	ug/L	N	466			0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	ug/L	N	11000			0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
VOLATILES	Acetone	ug/L	N				5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Benzene	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	ug/L	N				5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	ug/L	N				11.5			4.41			1.04			4.69		
VOLATILES	Carbon tetrachloride	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dibromochloromethane	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME					TNTA			TNTA			TNTA			TNTA			TNTA	
LOCATION_CODE					TNTA-SO080			TNTA-SW02			TNTA-SW03			TNTA-SW04			TNTA-SW05	
SAMPLE_NO					AA2018			AA2002			AA2003			AA2004			AA2005	
SAMPLE_DATE					17-Jul-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00	
START_DEPTH					0													
END_DEPTH					0													
SAMPLE_PURPOSE					REG			REG			REG			REG			REG	
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	ug/L	N				5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	ug/L	N				5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	ug/L	N				3.51		B	3.69		B	3.65		B	3.75		B
VOLATILES	Styrene	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	ug/L	N				1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Acenaphthylene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Anthracene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Benzo(a)anthracene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Benzo(a)pyrene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Benzo(ghi)perylene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Butyl benzyl phthalate	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Carbazole	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Chloroaniline, 4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Chlorophenol, 2-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U

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GROUP_NAME					TNTA			TNTA			TNTA			TNTA			TNTA	
LOCATION_CODE					TNTA-SO080			TNTA-SW02			TNTA-SW03			TNTA-SW04			TNTA-SW05	
SAMPLE_NO					AA2018			AA2002			AA2003			AA2004			AA2005	
SAMPLE_DATE					17-Jul-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00	
START_DEPTH					0													
END_DEPTH					0													
SAMPLE_PURPOSE					REG			REG			REG			REG			REG	
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Di-n-butyl phthalate	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Di-n-octyl phthalate	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dibenzofuran	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	ug/L	N				22	U	U	23	U	U	22	U	U	21.3	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Diethyl phthalate	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dimethyl phthalate	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	ug/L	N				22	U	U	23	U	U	22	U	U	21.3	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	ug/L	N				22	U	U	23	U	U	22	U	U	21.3	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Fluoranthene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Fluorene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Hexachlorobenzene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Hexachlorobutadiene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Hexachloroethane	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Isophorone	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Methylphenol, 2-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Methylphenol, 4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Naphthalene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Nitroaniline, 2-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Nitroaniline, 3-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Nitroaniline, 4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U

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GROUP_NAME					TNTA			TNTA			TNTA			TNTA			TNTA	
LOCATION_CODE					TNTA-SO080			TNTA-SW02			TNTA-SW03			TNTA-SW04			TNTA-SW05	
SAMPLE_NO					AA2018			AA2002			AA2003			AA2004			AA2005	
SAMPLE_DATE					17-Jul-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00	
START_DEPTH					0													
END_DEPTH					0													
SAMPLE_PURPOSE					REG			REG			REG			REG			REG	
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Nitrophenol, 2-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Nitrophenol, 4-	ug/L	N				22	U	U	23	U	U	22	U	U	21.3	U	U
SEMIVOLATILES	Pentachlorophenol	ug/L	N				22	U	U	23	U	U	22	U	U	21.3	U	U
SEMIVOLATILES	Phenanthrene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Phenol	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Pyrene	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	ug/L	N				11	U	U	11.5	U	U	11	U	U	10.6	U	U
PCBS	Aroclor 1016	ug/L	N				1.15	U	U	1.18	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1221	ug/L	N				1.15	U	U	1.18	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1232	ug/L	N				1.15	U	U	1.18	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1242	ug/L	N				1.15	U	U	1.18	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1248	ug/L	N				1.15	U	U	1.18	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1254	ug/L	N				1.15	U	U	1.18	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1260	ug/L	N				2.3	U	U	2.35	U	U	2.17	U	U	2.15	U	U
METALS	Aluminum	ug/L	N				92.1	J	J	2880			72.6	J	J	400		
METALS	Antimony	ug/L	N				6	U	U	6	U	U	6	U	U	6	U	U
METALS	Arsenic	ug/L	N				5	U	U	3.75	J	J	5	U	U	5	U	U
METALS	Barium	ug/L	N				22.5			53.9			22.7			26.9		
METALS	Beryllium	ug/L	N				1	U	U	0.134	J	J	1	U	U	1	U	U
METALS	Cadmium	ug/L	N				0.78	J	B	3	U	U	0.75	J	B	3	U	U
METALS	Calcium	ug/L	N				138000			164000			168000			152000		
METALS	Chromium	ug/L	N				0.857	J	B	3.76	J	B	5	U	U	2.51	J	B
METALS	Cobalt	ug/L	N				5	U	U	3.34	J	J	5	U	U	5	U	U
METALS	Copper	ug/L	N				2.42	J	J	5.02			1.62	J	J	2.63	J	J
METALS	Iron	ug/L	N				193		B	9850		J	39.6	J	B	581		J
METALS	Lead	ug/L	N				1.51	J	J	5.49			3	U	U	1.74	J	J
METALS	Magnesium	ug/L	N				44400			34900			29300			35000		
METALS	Manganese	ug/L	N				237			1030			30.2			75.8		
METALS	Mercury	ug/L	N				0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
METALS	Nickel	ug/L	N				5	U	U	5.7		B	5	U	U	5	U	U
METALS	Potassium	ug/L	N				1830			2320			5550			2680		

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GROUP_NAME				TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE				TNTA-SO080			TNTA-SW02			TNTA-SW03			TNTA-SW04			TNTA-SW05		
SAMPLE_NO				AA2018			AA2002			AA2003			AA2004			AA2005		
SAMPLE_DATE				17-Jul-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH				0														
END_DEPTH				0														
SAMPLE_PURPOSE				REG			REG			REG			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	ug/L	N				5	U	U	5	U	U	5	U	U	5	U	U
METALS	Silver	ug/L	N				0.941	J	J	3	U	U	0.781	J	J	3	U	U
METALS	Sodium	ug/L	N				7710		J	12700		J	54300		J	9290		J
METALS	Thallium	ug/L	N				10	U	U	10	U	U	10	U	U	10	U	U
METALS	Vanadium	ug/L	N				0.935	J	J	6.23			5	U	U	1.59	J	J
METALS	Zinc	ug/L	N				36.8			61.7			11.2	J	J	7.69	J	J

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SW06			TNTA-SW06			TNTA-SW07			TNTA-SW09			TNTA-SW10		
SAMPLE_NO		AA2006			AA2011			AA2007			AA2009			AA2010		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.26	U	U	0.26	U	U	0.26	U	U	0.165	J	J	0.26	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	HMX	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrobenzene	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	RDX	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Tetryl	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
VOLATILES	Acetone	5	U	R	5	U	R	2.95	J	J	5	U	R	5	U	R
VOLATILES	Benzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	5	U	R	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	6.45			1	U	U	3.59			1.59			6.8		
VOLATILES	Carbon tetrachloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dibromochloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SW06			TNTA-SW06			TNTA-SW07			TNTA-SW09			TNTA-SW10		
SAMPLE_NO		AA2006			AA2011			AA2007			AA2009			AA2010		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	2.05		B	3.32		B	3.55		B	3.74		B	3.32		B
VOLATILES	Styrene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Acenaphthylene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Anthracene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Benzo(a)anthracene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Benzo(a)pyrene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Benzo(ghi)perylene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Butyl benzyl phthalate	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Carbazole	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Chloroaniline, 4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Chlorophenol, 2-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SW06			TNTA-SW06			TNTA-SW07			TNTA-SW09			TNTA-SW10		
SAMPLE_NO		AA2006			AA2011			AA2007			AA2009			AA2010		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Di-n-butyl phthalate	1.3	J	J	2.17	J	J	1.17	J	J	10.9	U	U	10.5	U	U
SEMIVOLATILES	Di-n-octyl phthalate	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dibenzofuran	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	20.2	U	U	20	U	U	22	U	U	21.7	U	U	21.1	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Diethyl phthalate	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dimethyl phthalate	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	20.2	U	U	20	U	U	22	U	U	21.7	U	U	21.1	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	20.2	U	U	20	U	U	22	U	U	21.7	U	U	21.1	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Fluoranthene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Fluorene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Hexachlorobenzene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Hexachlorobutadiene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Hexachloroethane	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Isophorone	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Methylphenol, 2-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Methylphenol, 4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Naphthalene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Nitroaniline, 2-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Nitroaniline, 3-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Nitroaniline, 4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U

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GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SW06			TNTA-SW06			TNTA-SW07			TNTA-SW09			TNTA-SW10		
SAMPLE_NO		AA2006			AA2011			AA2007			AA2009			AA2010		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Nitrophenol, 2-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Nitrophenol, 4-	20.2	U	U	20	U	U	22	U	U	21.7	U	U	21.1	U	U
SEMIVOLATILES	Pentachlorophenol	20.2	U	U	20	U	U	22	U	U	21.7	U	U	21.1	U	U
SEMIVOLATILES	Phenanthrene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Phenol	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Pyrene	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	10.1	U	U	10	U	U	11	U	U	10.9	U	U	10.5	U	U
PCBS	Aroclor 1016	1.1	U	U	1	U	U	1.11	U	U	1.1	U	U	1.06	U	U
PCBS	Aroclor 1221	1.1	U	U	1	U	U	1.11	U	U	1.1	U	U	1.06	U	U
PCBS	Aroclor 1232	1.1	U	U	1	U	U	1.11	U	U	1.1	U	U	1.06	U	U
PCBS	Aroclor 1242	1.1	U	U	1	U	U	1.11	U	U	1.1	U	U	1.06	U	U
PCBS	Aroclor 1248	1.1	U	U	1	U	U	1.11	U	U	1.1	U	U	1.06	U	U
PCBS	Aroclor 1254	1.1	U	U	1	U	U	1.11	U	U	1.1	U	U	1.06	U	U
PCBS	Aroclor 1260	2.2	U	U	2	U	U	2.22	U	U	2.2	U	U	2.13	U	U
METALS	Aluminum	101	J	J	134	J	J	195	J	J	608			1500		
METALS	Antimony	6	U	U	6	U	U	6	U	U	6	U	U	6	U	U
METALS	Arsenic	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Barium	24.2			24.5			23.2			29.4			47.8		
METALS	Beryllium	0.109	J	J	1	U	U	0.135	J	J	0.204	J	J	0.24	J	J
METALS	Cadmium	3	U	U	3	U	U	3	U	U	3	U	U	3	U	U
METALS	Calcium	35700			36200			37500			52300			86200		
METALS	Chromium	4.49	J	J	15.2			5	U	U	2.33	J	B	4.37	J	J
METALS	Cobalt	5	U	U	5	U	U	5	U	U	1.3	J	J	6.19		
METALS	Copper	6.63			5.93			1.75	J	J	3.21	J	J	6.02		
METALS	Iron	687		J	1720		J	190		J	848		J	2010		J
METALS	Lead	2.55	J	J	5.46			1.7	J	J	3	U	U	2.45	J	J
METALS	Magnesium	8970			9230			9430			15100			30600		
METALS	Manganese	48.6			58.9			24.9			90.5			266		
METALS	Mercury	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
METALS	Nickel	5	U	U	3.18	J	B	5	U	U	3.43	J	B	15		
METALS	Potassium	2000			2110			2040			2670			3620		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA			TNTA			TNTA			TNTA			TNTA		
LOCATION_CODE		TNTA-SW06			TNTA-SW06			TNTA-SW07			TNTA-SW09			TNTA-SW10		
SAMPLE_NO		AA2006			AA2011			AA2007			AA2009			AA2010		
SAMPLE_DATE		20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00			20-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	5	U	U	5	U	U	5	U	U	2.63	J	J	5	U	U
METALS	Silver	3	U	U	3	U	U	3	U	U	3	U	U	0.779	J	J
METALS	Sodium	10100		J	10100		J	10400		J	14700		J	18200		J
METALS	Thallium	10	U	U	10	U	U	10	U	U	10	U	U	10	U	U
METALS	Vanadium	5	U	U	5	U	U	5	U	U	1.38	J	J	2.45	J	J
METALS	Zinc	15	U	U	15	U	U	5.03	J	J	6.25	J	J	19.9		

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SW14		
SAMPLE_NO		AA2016		
SAMPLE_DATE		18-Oct-00		
START_DEPTH		0		
END_DEPTH		0		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.26		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.26		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.26		
NITROAROMATICS	Dinitrotoluene, total	0.26		
NITROAROMATICS	HMX	0.52		
NITROAROMATICS	Nitrobenzene	0.26		
NITROAROMATICS	Nitrotoluene, 2-	0.52		
NITROAROMATICS	Nitrotoluene, 3-	0.52		
NITROAROMATICS	Nitrotoluene, 4-	0.52		
NITROAROMATICS	RDX	0.52		
NITROAROMATICS	Tetryl	0.52		
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.26		
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.26		
VOLATILES	Acetone	13.3		J
VOLATILES	Benzene	1	U	UJ
VOLATILES	Bromodichloromethane	1	U	UJ
VOLATILES	Bromoform	1	U	UJ
VOLATILES	Bromomethane	1	U	UJ
VOLATILES	Butanone, 2-	5	U	R
VOLATILES	Carbon disulfide	1	U	UJ
VOLATILES	Carbon tetrachloride	1	U	UJ
VOLATILES	Chlorobenzene	1	U	UJ
VOLATILES	Chloroethane	1	U	UJ
VOLATILES	Chloroform	1	U	UJ
VOLATILES	Chloromethane	1	U	UJ
VOLATILES	Dibromochloromethane	1	U	UJ
VOLATILES	Dichloroethane, 1,1-	1	U	UJ
VOLATILES	Dichloroethane, 1,2-	1	U	UJ
VOLATILES	Dichloroethene, 1,1-	1	U	UJ
VOLATILES	Dichloroethene, cis-1,2-	1	U	UJ
VOLATILES	Dichloroethene, trans-1,2-	1	U	UJ
VOLATILES	Dichloropropane, 1,2-	1	U	UJ
VOLATILES	Dichloropropene, cis-1,3-	1	U	UJ
VOLATILES	Dichloropropene, trans-1,3-	1	U	UJ

Surface Water Data Summary Report
TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SW14		
SAMPLE_NO		AA2016		
SAMPLE_DATE		18-Oct-00		
START_DEPTH		0		
END_DEPTH		0		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
VOLATILES	Ethylbenzene	1	U	UJ
VOLATILES	Hexanone, 2-	5	U	UJ
VOLATILES	Methyl-2-pentanone, 4-	5	U	UJ
VOLATILES	Methylene chloride	1	B	B
VOLATILES	Styrene	1	U	UJ
VOLATILES	Tetrachloroethane, 1,1,2,2-	1	U	UJ
VOLATILES	Tetrachloroethene	1	U	UJ
VOLATILES	Toluene	1	U	UJ
VOLATILES	Trichloroethane, 1,1,1-	1	U	UJ
VOLATILES	Trichloroethane, 1,1,2-	1	U	UJ
VOLATILES	Trichloroethene	1	U	UJ
VOLATILES	Vinyl chloride	1	U	UJ
VOLATILES	Xylene, o-	1	U	UJ
VOLATILES	Xylenes, m,p-	1	U	UJ
SEMIVOLATILES	Acenaphthene	10.2		
SEMIVOLATILES	Acenaphthylene	10.2		
SEMIVOLATILES	Anthracene	10.2		
SEMIVOLATILES	Benzo(a)anthracene	10.2		
SEMIVOLATILES	Benzo(a)pyrene	10.2		
SEMIVOLATILES	Benzo(b)fluoranthene	10.2		
SEMIVOLATILES	Benzo(ghi)perylene	10.2		
SEMIVOLATILES	Benzo(k)fluoranthene	10.2		
SEMIVOLATILES	Bis(2-chloroethoxy)methane	10.2		
SEMIVOLATILES	Bis(2-chloroethyl)ether	10.2		
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	10.2		
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	10.2		
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	10.2		
SEMIVOLATILES	Butyl benzyl phthalate	10.2		
SEMIVOLATILES	Carbazole	10.2		
SEMIVOLATILES	Chloro-3-methylphenol, 4-	10.2		
SEMIVOLATILES	Chloroaniline, 4-	10.2		
SEMIVOLATILES	Chloronaphthalene, 2-	10.2		
SEMIVOLATILES	Chlorophenol, 2-	10.2		
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	10.2		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SW14		
SAMPLE_NO		AA2016		
SAMPLE_DATE		18-Oct-00		
START_DEPTH		0		
END_DEPTH		0		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	10.2		
SEMIVOLATILES	Di-n-butyl phthalate	10.2		
SEMIVOLATILES	Di-n-octyl phthalate	10.2		
SEMIVOLATILES	Dibenz(a,h)anthracene	10.2		
SEMIVOLATILES	Dibenzofuran	10.2		
SEMIVOLATILES	Dichlorobenzene, 1,2-	10.2		
SEMIVOLATILES	Dichlorobenzene, 1,3-	10.2		
SEMIVOLATILES	Dichlorobenzene, 1,4-	10.2		
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	20.4		
SEMIVOLATILES	Dichlorophenol, 2,4-	10.2		
SEMIVOLATILES	Diethyl phthalate	10.2		
SEMIVOLATILES	Dimethyl phthalate	10.2		
SEMIVOLATILES	Dimethylphenol, 2,4-	10.2		
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	20.4		
SEMIVOLATILES	Dinitrophenol, 2,4-	20.4		
SEMIVOLATILES	Dinitrotoluene, 2,4-	10.2		
SEMIVOLATILES	Dinitrotoluene, 2,6-	10.2		
SEMIVOLATILES	Fluoranthene	10.2		
SEMIVOLATILES	Fluorene	10.2		
SEMIVOLATILES	Hexachlorobenzene	10.2		
SEMIVOLATILES	Hexachlorobutadiene	10.2		
SEMIVOLATILES	Hexachlorocyclopentadiene	10.2		
SEMIVOLATILES	Hexachloroethane	10.2		
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	10.2		
SEMIVOLATILES	Isophorone	10.2		
SEMIVOLATILES	Methylnaphthalene, 2-	10.2		
SEMIVOLATILES	Methylphenol, 2-	10.2		
SEMIVOLATILES	Methylphenol, 4-	10.2		
SEMIVOLATILES	n-Nitroso-di-n-propylamine	10.2		
SEMIVOLATILES	n-Nitrosodiphenylamine	10.2		
SEMIVOLATILES	Naphthalene	10.2		
SEMIVOLATILES	Nitroaniline, 2-	10.2		
SEMIVOLATILES	Nitroaniline, 3-	10.2		
SEMIVOLATILES	Nitroaniline, 4-	10.2		

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SW14		
SAMPLE_NO		AA2016		
SAMPLE_DATE		18-Oct-00		
START_DEPTH		0		
END_DEPTH		0		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	10.2		
SEMIVOLATILES	Nitrophenol, 2-	10.2		
SEMIVOLATILES	Nitrophenol, 4-	20.4		
SEMIVOLATILES	Pentachlorophenol	20.4		
SEMIVOLATILES	Phenanthrene	10.2		
SEMIVOLATILES	Phenol	10.2		
SEMIVOLATILES	Pyrene	10.2		
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	10.2		
SEMIVOLATILES	Trichlorophenol, 2,4,5-	10.2		
SEMIVOLATILES	Trichlorophenol, 2,4,6-	10.2		
PCBS	Aroclor 1016	1.04		
PCBS	Aroclor 1221	1.04		
PCBS	Aroclor 1232	1.04		
PCBS	Aroclor 1242	1.04		
PCBS	Aroclor 1248	1.04		
PCBS	Aroclor 1254	1.04		
PCBS	Aroclor 1260	2.08		
METALS	Aluminum	892		
METALS	Antimony	6	U	U
METALS	Arsenic	3.69	B	B
METALS	Barium	42.4		
METALS	Beryllium	0.123	B	J
METALS	Cadmium	3	U	U
METALS	Calcium	64600		
METALS	Chromium	2.72	B	J
METALS	Cobalt	1.57	B	J
METALS	Copper	8.93		
METALS	Iron	1330		
METALS	Lead	3	U	U
METALS	Magnesium	20600		
METALS	Manganese	57.7		
METALS	Mercury	0.2	U	U
METALS	Nickel	6.76		
METALS	Potassium	3720		

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TNT Area A Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTA		
LOCATION_CODE		TNTA-SW14		
SAMPLE_NO		AA2016		
SAMPLE_DATE		18-Oct-00		
START_DEPTH		0		
END_DEPTH		0		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
METALS	Selenium	5	U	U
METALS	Silver	1.35	B	B
METALS	Sodium	22700		
METALS	Thallium	10	U	U
METALS	Vanadium	3.31	B	J
METALS	Zinc	13.3	B	J

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B601		TNTC-B601		TNTC-B601		TNTC-B601		TNTC-B601	
LOCATION_CODE			TNTC-SO031		TNTC-SO032		TNTC-SO033		TNTC-SO034		TNTC-SO035		TNTC-SO036
SAMPLE_NO			AB0031		AB0032		AB0033		AB0034		AB0035		AB0036
SAMPLE_DATE			25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00
START.DEPTH			0		0		0		0.5		0		0
END.DEPTH			1		1		1		1.5		1		1
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.238	U	0.227	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.238	U	0.227	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.238	U	0.227	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.238	U	0.227	U	0.25	U	0.145	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.476	U	0.455	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.14	J	0.238	U	0.227	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.476	U	0.455	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.476	U	0.455	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.238	U	0.25	U	0.238	U	0.227	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.476	U	0.455	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.476	U	0.455	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.238	U	0.227	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.238	U	0.227	U	0.25	U	0.238	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B601		TNTC-B601		TNTC-B601		TNTC-B602		TNTC-B602		TNTC-B602	
LOCATION_CODE			TNTC-SO318		TNTC-SO375		TNTC-SO376		TNTC-SO127		TNTC-SO128		TNTC-SO129	
SAMPLE_NO			AB0318		AB0375		AB0376		AB0127		AB0128		AB0129	
SAMPLE_DATE			23-Sep-00		16-Sep-00		16-Sep-00		10-Aug-00		10-Aug-00		10-Aug-00	
START.DEPTH			1		4		8		2.6		2		2	
END.DEPTH			1.5		6		10		3.6		3		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.2	U	0.179	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.2	U	0.179	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.2	U	0.179	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.2	U	0.179	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.4	U	0.357	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.2	U	0.179	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.4	U	0.357	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.4	U	0.357	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.4	U	0.357	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.4	U	0.357	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.4	U	0.357	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.2	U	0.179	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.2	U	0.179	U	0.25	U	0.25	U	0.25	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B602		TNTC-B602		TNTC-B602		TNTC-B602		TNTC-B602	
LOCATION_CODE			TNTC-SO130		TNTC-SO131		TNTC-SO132		TNTC-SO133		TNTC-SO134		TNTC-SO135	
SAMPLE_NO			AB0130		AB0131		AB0132		AB0133		AB0134		AB0135	
SAMPLE_DATE			10-Aug-00		10-Aug-00		10-Aug-00		10-Aug-00		10-Aug-00		10-Aug-00	
START.DEPTH			2.5		1.8		1.5		2		2.5		1.6	
END.DEPTH			3.5		2.8		2		3		3.5		2.6	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	0.546		0.224	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	0.483		0.182	J
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	0.25	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	1.29		0.178	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	0.25	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.455	U	0.5	U	0.476	U	0.5	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	0.25	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.227	U	0.25	U	0.238	U	0.772		0.888	

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B602		TNTC-B602		TNTC-B602		TNTC-B602		TNTC-B603		TNTC-B603	
LOCATION_CODE			TNTC-SO136		TNTC-SO331		TNTC-SO377		TNTC-SO378		TNTC-SO120		TNTC-SO121	
SAMPLE_NO			AB0136		AB0331		AB0377		AB0378		AB0120		AB0121	
SAMPLE_DATE			10-Aug-00		23-Sep-00		15-Sep-00		15-Sep-00		10-Aug-00		10-Aug-00	
START.DEPTH			1.5		0		5		8		1.5		1	
END.DEPTH			2.5		1		7		10		2.5		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.181	J	0.252		1.21		0.185	U	0.402		0.227	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.338		0.227	J	0.899		0.185	U	0.614		0.227	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.185	U	0.238	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.732		3.39		0.185	U	0.302		0.227	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.37	U	0.476	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.185	U	0.238	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	1.07		0.37	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.18	J	0.37	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.266	J	0.37	U	0.476	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.37	U	0.476	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.37	U	0.476	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.185	U	0.238	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	1.03		0.395		0.185	U	1.38		0.227	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B603		TNTC-B603		TNTC-B603		TNTC-B603		TNTC-B603		TNTC-B603	
LOCATION_CODE			TNTC-SO122		TNTC-SO123		TNTC-SO124		TNTC-SO125		TNTC-SO126		TNTC-SO379	
SAMPLE_NO			AB0122		AB0123		AB0124		AB0125		AB0126		AB0379	
SAMPLE_DATE			10-Aug-00		10-Aug-00		10-Aug-00		10-Aug-00		10-Aug-00		15-Sep-00	
START.DEPTH			2.5		1		1		1		0		5	
END.DEPTH			3		2		2		2		1		7	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.25	U	1	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.25	U	0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.25	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.25	U	8.9	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.5	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.25	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.5	U	0.219	J
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.5	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.5	U	0.435	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.5	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.435	U	0.5	U	0.5	U	0.5	U	0.828	
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.217	U	0.25	U	0.25	U	0.25	U	0.807	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	2.73		0.25	U	0.499		0.25	U	5.44	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B603		TNTC-B606		TNTC-B606		TNTC-B606		TNTC-B606		TNTC-B606	
LOCATION_CODE			TNTC-SO380		TNTC-SO193		TNTC-SO194		TNTC-SO195		TNTC-SO196		TNTC-SO197	
SAMPLE_NO			AB0380		AB0193		AB0194		AB0195		AB0196		AB0197	
SAMPLE_DATE			15-Sep-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00	
START.DEPTH			8		1		1		1		1		1	
END.DEPTH			10		2		2		2		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.479		0.723		0.935		0.193	J	0.227	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.703		1.64		0.158	J	0.227	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	56.1		0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	7.71		0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	1.09		0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	6.75		0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.449		0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	7.39		0.126	J	0.25	U	0.29		0.227	U	0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B606		TNTC-B606		TNTC-B606		TNTC-B606		TNTC-B606		TNTC-B606	
LOCATION_CODE			TNTC-SO198		TNTC-SO199		TNTC-SO200		TNTC-SO201		TNTC-SO202		TNTC-SO203	
SAMPLE_NO			AB0198		AB0199		AB0200		AB0201		AB0202		AB0203	
SAMPLE_DATE			11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00	
START.DEPTH			1		1		0.5		0.3		1		0.5	
END.DEPTH			2		2		1.5		1.3		2		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.75		0.25	U	0.593		0.19	J	0.441		0.224	J
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.934		0.25	U	0.925		0.295		0.752		0.295	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.156	J	0.25	U	0.238	U	0.227	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.268		0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.884		0.25	U	0.638		0.25	U	1.42		0.569	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B606		TNTC-B606		TNTC-B606		TNTC-B606		TNTC-B606	TNTC-B609
LOCATION_CODE			TNTC-SO204		TNTC-SO205		TNTC-SO206		TNTC-SO381		TNTC-SO382	TNTC-SO025
SAMPLE_NO			AB0204		AB0205		AB0206		AB0381		AB0382	AB0025
SAMPLE_DATE			11-Aug-00		11-Aug-00		11-Aug-00		15-Sep-00		15-Sep-00	25-Jul-00
START.DEPTH			0.5		1		1		4		8	1
END.DEPTH			1.5		2		2		6		10	2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN	SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.133	J	0.251		0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.137	J	0.183	J	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.372	J	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.289		0.25	U	0.233	J	0.213	J	0.238	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B609		TNTC-B609		TNTC-B609		TNTC-B609		TNTC-B609		TNTC-B611	
LOCATION_CODE			TNTC-SO026		TNTC-SO027		TNTC-SO028		TNTC-SO029		TNTC-SO030		TNTC-SO037	
SAMPLE_NO			AB0026		AB0027		AB0028		AB0029		AB0030		AB0037	
SAMPLE_DATE			25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		26-Jul-00	
START.DEPTH			1.5		0.5		1		2		1		1	
END.DEPTH			2.5		1.5		2		3		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.801		0.238	U	0.25	U	0.25	U	0.107	J	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.69		0.238	U	0.25	U	0.25	U	0.123	J	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.162	J	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.476	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.238	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.127	J	0.238	U	0.25	U	0.25	U	0.123	J	0.238	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B611		TNTC-B611		TNTC-B611		TNTC-B611		TNTC-B611	
LOCATION_CODE			TNTC-SO038		TNTC-SO039		TNTC-SO040		TNTC-SO041		TNTC-SO042		TNTC-SO383
SAMPLE_NO			AB0038		AB0039		AB0040		AB0041		AB0042		AB0383
SAMPLE_DATE			26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00		16-Sep-00
START.DEPTH			1		1.5		1		1.5		1		4
END.DEPTH			2		2.5		2		2.5		2		6
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	1.46	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	1.97	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	3.38	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.609	
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.299	J
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.25	U	0.476	U	0.455	U	0.435	U	0.25	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.5	U	0.238	U	0.227	U	0.217	U	0.5	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.662	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B611		TNTC-B612		TNTC-B612		TNTC-B612		TNTC-B612		TNTC-B612	
LOCATION_CODE			TNTC-SO384		TNTC-SO085		TNTC-SO086		TNTC-SO087		TNTC-SO088		TNTC-SO089	
SAMPLE_NO			AB0384		AB0085		AB0086		AB0087		AB0088		AB0089	
SAMPLE_DATE			16-Sep-00		26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00	
START.DEPTH			8		2		2		1		1		1.5	
END.DEPTH			10		3		3		2		2		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.325		0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.514		0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.25	U	0.125	J	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	5.9		0.25	U	0.227	U	0.25	U	0.25	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B612		TNTC-B612		TNTC-B612		TNTC-B612		TNTC-B612	
LOCATION_CODE			TNTC-SO090		TNTC-SO091		TNTC-SO092		TNTC-SO093		TNTC-SO094		TNTC-SO095
SAMPLE_NO			AB0090		AB0091		AB0092		AB0093		AB0094		AB0095
SAMPLE_DATE			26-Jul-00		26-Jul-00		27-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00
START.DEPTH			1.5		1.5		2		1.5		1		1
END.DEPTH			2.5		2.5		3		2.5		2		2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.192	J	0.192	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.385	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.192	U	0.25	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B612		TNTC-B612		TNTC-B612		TNTC-B612		TNTC-B612		TNTC-B613	
LOCATION_CODE			TNTC-SO096		TNTC-SO097		TNTC-SO319		TNTC-SO385		TNTC-SO386		TNTC-SO114	
SAMPLE_NO			AB0096		AB0097		AB0319		AB0385		AB0386		AB0114	
SAMPLE_DATE			26-Jul-00		26-Jul-00		23-Sep-00		16-Sep-00		16-Sep-00		26-Jul-00	
START.DEPTH			1		1.5		1		4		8		1.5	
END.DEPTH			2		2.5		2		6		10		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.237		0.227	U	0.25	U	0.227	U	0.217	U	0.2	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25		0.227	U	0.25	U	0.227	U	0.217	U	0.2	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.179	U	0.227	U	0.25	U	0.227	U	0.217	U	0.2	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.132	J	0.227	U	0.25	U	0.227	U	0.217	U	0.2	U
NITROAROMATICS	HMX	mg/kg	0.357	U	0.455	U	0.5	U	0.455	U	0.435	U	0.4	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.179	U	0.227	U	0.25	U	0.227	U	0.217	U	0.2	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.357	U	0.455	U	0.5	U	0.455	U	0.435	U	0.4	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.357	U	0.455	U	0.5	U	0.455	U	0.435	U	0.4	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.179	U	0.227	U	0.5	U	0.455	U	0.435	U	0.2	U
NITROAROMATICS	RDX	mg/kg	0.357	U	0.455	U	0.5	U	0.455	U	0.435	U	0.4	U
NITROAROMATICS	Tetryl	mg/kg	0.357	U	0.455	U	0.5	U	0.455	U	0.435	U	0.4	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.179	U	0.227	U	0.25	U	0.227	U	0.217	U	0.2	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.179	U	0.227	U	0.25	U	0.227	U	0.217	U	0.2	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B613		TNTC-B613		TNTC-B613		TNTC-B613		TNTC-B613		TNTC-B613	
LOCATION_CODE			TNTC-SO115		TNTC-SO116		TNTC-SO117		TNTC-SO118		TNTC-SO119		TNTC-SO387	
SAMPLE_NO			AB0115		AB0116		AB0117		AB0118		AB0119		AB0387	
SAMPLE_DATE			26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00		16-Sep-00	
START.DEPTH			2		2		2		2		2		4	
END.DEPTH			3		3		3		3		3		6	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.208	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.208	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.208	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.208	U
NITROAROMATICS	HMX	mg/kg	0.4	U	0.37	U	0.417	U	0.4	U	0.5	U	0.417	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.208	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.4	U	0.37	U	0.417	U	0.4	U	0.5	U	0.417	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.4	U	0.37	U	0.417	U	0.4	U	0.5	U	0.417	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.417	U
NITROAROMATICS	RDX	mg/kg	0.4	U	0.37	U	0.417	U	0.4	U	0.5	U	0.417	U
NITROAROMATICS	Tetryl	mg/kg	0.4	U	0.37	U	0.417	U	0.4	U	0.5	U	0.417	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.208	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.2	U	0.185	U	0.208	U	0.2	U	0.25	U	0.208	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B613	
LOCATION_CODE			TNTC-SO388	
SAMPLE_NO			AB0388	
SAMPLE_DATE			16-Sep-00	
START_DEPTH			8	
END_DEPTH			10	
SAMPLE_PURPOSE			SCRN	
Test Group	Parameter	Units	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.135	J
NITROAROMATICS	HMX	mg/kg	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616	
LOCATION_CODE			TNTC-SO098		TNTC-SO099		TNTC-SO100		TNTC-SO101		TNTC-SO102		TNTC-SO103	
SAMPLE_NO			AB0098		AB0099		AB0100		AB0101		AB0102		AB0103	
SAMPLE_DATE			27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00	
START.DEPTH			1		0.5		2		0.5		1		1	
END.DEPTH			2		1		3		1.5		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.168	J	0.25	U	0.442		0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.275		0.25	U	0.644		0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.536		0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	1.07		0.25	U	47.2		0.25	U	0.25	U	0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616	
LOCATION_CODE			TNTC-SO104		TNTC-SO105		TNTC-SO106		TNTC-SO107		TNTC-SO108		TNTC-SO109
SAMPLE_NO			AB0104		AB0105		AB0106		AB0107		AB0108		AB0109
SAMPLE_DATE			27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00
START.DEPTH			2		0.5		3		3		1		1
END.DEPTH			3		1.5		4		4		2		2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.25	U	0.112	J	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.25	U	0.14	J	0.13	J	0.182	J	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.208	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.208	U	0.25	U	0.141	J	0.25	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.208	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.238	U	0.25	U	0.208	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.208	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.194	J	0.25	U	0.241		39.9		0.631		0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616	
LOCATION_CODE			TNTC-SO110		TNTC-SO111		TNTC-SO112		TNTC-SO113		TNTC-SO251		TNTC-SO252	
SAMPLE_NO			AB0110		AB0111		AB0112		AB0113		AB0251		AB0252	
SAMPLE_DATE			27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		18-Aug-00		18-Aug-00	
START.DEPTH			1		0.5		0.5		0.5		0.5		0.5	
END.DEPTH			2		1.5		1.5		1.5		1.5		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	1.94		0.25	U	0.227	U	0.25	U	2.38		0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	3.25		0.25	U	0.227	U	0.25	U	1.93		5.45	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.217	U	0.25	U	0.227	U	0.25	U	0.25	U	0.239	J
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.217	U	0.25	U	0.227	U	0.25	U	0.25	U	1.86	
NITROAROMATICS	HMX	mg/kg	0.435	U	0.5	U	0.455	U	0.5	U	0.5	U	0.401	J
NITROAROMATICS	Nitrobenzene	mg/kg	0.217	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.435	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.435	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.217	U	0.25	U	0.227	U	0.25	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.435	U	0.5	U	0.455	U	0.5	U	0.5	U	1.51	
NITROAROMATICS	Tetryl	mg/kg	0.435	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.323		0.25	U	0.227	U	0.25	U	0.229	J	1.5	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	1.34		0.25	U	0.227	U	0.25	U	68.6		797	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616	
LOCATION_CODE			TNTC-SO253		TNTC-SO254		TNTC-SO255		TNTC-SO256		TNTC-SO257		TNTC-SO258
SAMPLE_NO			AB0253		AB0254		AB0255		AB0256		AB0257		AB0258
SAMPLE_DATE			18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00
START.DEPTH			0		1.5		1		0.5		1		1
END.DEPTH			1		2.5		2		1.5		2		2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.164	J	0.238	U	0.227	U	0.217	U	0.25	U	0.32	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.164	J	0.144	J	0.227	U	0.217	U	0.25	U	0.369	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.455	U	0.435	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.227	U	0.217	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	1.97		0.296		0.227	U	0.217	U	0.25	U	1.13	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616	
LOCATION_CODE			TNTC-SO259		TNTC-SO260		TNTC-SO261		TNTC-SO262		TNTC-SO263		TNTC-SO264	
SAMPLE_NO			AB0259		AB0260		AB0261		AB0262		AB0263		AB0264	
SAMPLE_DATE			18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00	
START.DEPTH			0.5		0		1		1		0		1	
END.DEPTH			1.5		1		2		2		1		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.227	U	0.208	U	0.141	J	0.477		0.57	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.227	U	0.208	U	0.159	J	0.631		0.602	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.227	U	0.208	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.227	U	0.208	U	0.122	J	0.238	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.455	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.227	U	0.208	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.455	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.455	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.455	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.455	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.455	U	0.417	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.227	U	0.208	U	0.25	U	0.154	J	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.227	U	1.1		1.36		0.163	J	0.122	J

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B616		TNTC-B618	
LOCATION_CODE			TNTC-SO300		TNTC-SO316		TNTC-SO317		TNTC-SO361		TNTC-SO362		TNTC-SO207	
SAMPLE_NO			AB0300		AB0316		AB0317		AB0361		AB0362		AB0207	
SAMPLE_DATE			19-Aug-00		23-Sep-00		23-Sep-00		14-Sep-00		14-Sep-00		14-Aug-00	
START_DEPTH			5		1		1		4		8		2	
END_DEPTH			6		2		2		6		10		3	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.226	J	0.25	U	0.455		0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.444		0.25	U	1.67		0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.494	J	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.346	J	0.476	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.608		4.81		8.66		0.238	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B618		TNTC-B618		TNTC-B618		TNTC-B618		TNTC-B619		TNTC-B619	
LOCATION_CODE			TNTC-SO208		TNTC-SO209		TNTC-SO210		TNTC-SO227		TNTC-SO043		TNTC-SO044	
SAMPLE_NO			AB0208		AB0209		AB0210		AB0227		AB0043		AB0044	
SAMPLE_DATE			14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00		26-Jul-00		26-Jul-00	
START.DEPTH			1.6		1		1		1		1.5		1.5	
END.DEPTH			2.6		2		2		2		2.5		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.227	U	0.217	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.227	U	0.217	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.227	U	0.217	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.227	U	0.217	U	0.25	U	0.25	U	0.25	U	0.164	J
NITROAROMATICS	HMX	mg/kg	0.455	U	0.435	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.227	U	0.217	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.455	U	0.435	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.455	U	0.435	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.455	U	0.435	U	0.5	U	0.5	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.455	U	0.435	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.455	U	0.435	U	0.5	U	0.5	U	0.25	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.227	U	0.217	U	0.25	U	0.25	U	0.5	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.227	U	0.217	U	0.217	J	0.25	U	0.25	U	0.238	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B619		TNTC-B619		TNTC-B619		TNTC-B619		TNTC-B619	
LOCATION_CODE			TNTC-SO045		TNTC-SO046		TNTC-SO047		TNTC-SO048		TNTC-SO298		TNTC-SO411	
SAMPLE_NO			AB0045		AB0046		AB0047		AB0048		AB0298		AB0411	
SAMPLE_DATE			26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00		19-Aug-00		16-Sep-00	
START.DEPTH			1.5		1.5		1.5		1.5		3		4	
END.DEPTH			2.5		2.5		2.5		2.5		4		6	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.217	U	0.208	U	0.25	U	0.25	U	0.208	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.217	U	0.208	U	0.25	U	0.25	U	0.208	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.217	U	0.208	U	0.25	U	0.25	U	0.208	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.217	U	0.122	J	0.226	J	0.301		0.208	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.435	U	0.417	U	0.5	U	0.5	U	0.417	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.217	U	0.208	U	0.25	U	0.25	U	0.208	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.435	U	0.417	U	0.5	U	0.5	U	0.417	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.435	U	0.417	U	0.5	U	0.5	U	0.417	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.217	U	0.208	U	0.25	U	0.25	U	0.417	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.435	U	0.417	U	0.5	U	0.5	U	0.417	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.435	U	0.417	U	0.25	U	0.25	U	0.417	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.217	U	0.208	U	0.5	U	0.5	U	0.208	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.217	U	0.208	U	0.25	U	0.329		0.208	U	0.238	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B619		TNTC-B621		TNTC-B621		TNTC-B621		TNTC-B621	
LOCATION_CODE			TNTC-SO412		TNTC-SO049		TNTC-SO050		TNTC-SO051		TNTC-SO052		TNTC-SO053
SAMPLE_NO			AB0412		AB0049		AB0050		AB0051		AB0052		AB0053
SAMPLE_DATE			16-Sep-00		26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00		26-Jul-00
START.DEPTH			6		1.5		0.5		2		0.5		0.5
END.DEPTH			7		2.5		1.5		3		1.5		1.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.217	U	0.25	U	0.238	U	0.444		0.25	U	0.217	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.217	U	0.25	U	0.238	U	0.366		0.25	U	0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.217	U	0.25	U	0.238	U	0.227	U	0.25	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.217	U	0.25	U	0.238	U	0.359		0.25	U	0.217	U
NITROAROMATICS	HMX	mg/kg	0.435	U	0.5	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.217	U	0.25	U	0.238	U	0.227	U	0.25	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.435	U	0.5	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.435	U	0.5	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.435	U	0.25	U	0.238	U	0.227	U	0.25	U	0.217	U
NITROAROMATICS	RDX	mg/kg	0.435	U	0.5	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.435	U	0.25	U	0.476	U	0.455	U	0.25	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.217	U	0.5	U	0.238	U	0.227	U	0.5	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.217	U	0.25	U	0.238	U	0.82		0.25	U	0.217	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B621		TNTC-B621		TNTC-B621		TNTC-B622		TNTC-B622		TNTC-B622	
LOCATION_CODE			TNTC-SO054		TNTC-SO389		TNTC-SO390		TNTC-SO055		TNTC-SO056		TNTC-SO057	
SAMPLE_NO			AB0054		AB0389		AB0390		AB0055		AB0056		AB0057	
SAMPLE_DATE			26-Jul-00		16-Sep-00		16-Sep-00		26-Jul-00		26-Jul-00		26-Jul-00	
START.DEPTH			0.5		4		6		2.5		2.5		2.5	
END.DEPTH			1.5		6		7		3.5		3.5		3.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.361		0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.153	J	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.135	J	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.5	U	0.476	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.25	U	0.5	U	0.476	U	0.25	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.5	U	0.25	U	0.238	U	0.5	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B622		TNTC-B622		TNTC-B622		TNTC-B622		TNTC-B622	
LOCATION_CODE			TNTC-SO058		TNTC-SO059		TNTC-SO061		TNTC-SO062		TNTC-SO063		TNTC-SO064
SAMPLE_NO			AB0058		AB0059		AB0061		AB0062		AB0063		AB0064
SAMPLE_DATE			26-Jul-00		14-Sep-00		14-Sep-00		26-Jul-00		26-Jul-00		26-Jul-00
START.DEPTH			4		4		4		2.5		2.5		2.5
END.DEPTH			5		5		5		3.5		3.5		3.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.5	U	0.455	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.455	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.227	U	0.25	U	0.25	U	0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B622		TNTC-B622		TNTC-B622		TNTC-B622		TNTC-B623		TNTC-B623	
LOCATION_CODE			TNTC-SO321		TNTC-SO322		TNTC-SO323		TNTC-SO391		TNTC-SO234		TNTC-SO235	
SAMPLE_NO			AB0321		AB0322		AB0323		AB0391		AB0234		AB0235	
SAMPLE_DATE			23-Sep-00		23-Sep-00		23-Sep-00		16-Sep-00		10-Aug-00		10-Aug-00	
START.DEPTH			1.5		1.5		1.5		4		1		1	
END.DEPTH			2.5		2.5		2.5		6		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.149	J	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.157	J	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U	0.505	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.172	J	0.238	U	0.25	U	0.227	U	0.25	U	2.98	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B623		TNTC-B623		TNTC-B623		TNTC-B623		TNTC-B623	
LOCATION_CODE			TNTC-SO236		TNTC-SO237		TNTC-SO238		TNTC-SO239		TNTC-SO274		TNTC-SO393	
SAMPLE_NO			AB0236		AB0237		AB0238		AB0239		AB0274		AB0393	
SAMPLE_DATE			10-Aug-00		10-Aug-00		10-Aug-00		10-Aug-00		19-Aug-00		16-Sep-00	
START_DEPTH			1		1		1		1.5		0		4	
END_DEPTH			2		2		2		2.5		0.5		6	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.217	U	0.217	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.217	U	0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.217	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.134	J	0.25	U	0.126	J	0.238	U	0.217	U	0.127	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.217	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.25	U	0.25	U	0.238	U	0.435	U	0.435	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.435	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.217	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	1.18		0.25	U	0.25	U	0.238	U	0.301		0.217	U

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TNT Area C Remedial Investigations
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GROUP_NAME			TNTC-B623		TNTC-B626		TNTC-B626		TNTC-B626		TNTC-B626		TNTC-B626	
LOCATION_CODE			TNTC-SO394		TNTC-SO071		TNTC-SO072		TNTC-SO073		TNTC-SO074		TNTC-SO075	
SAMPLE_NO			AB0394		AB0071		AB0072		AB0073		AB0074		AB0075	
SAMPLE_DATE			16-Sep-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00	
START.DEPTH			8		2.5		2.5		2.5		2.5		1	
END.DEPTH			10		3.5		3.5		3.5		3.5		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.237	J	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.226	J	0	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.878		0.305		0.25	U	0.25	U	3.87	

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GROUP_NAME			TNTC-B626		TNTC-B626		TNTC-B626		TNTC-B626		TNTC-B626	
LOCATION_CODE			TNTC-SO076		TNTC-SO077		TNTC-SO078		TNTC-SO079		TNTC-SO080		TNTC-SO081
SAMPLE_NO			AB0076		AB0077		AB0078		AB0079		AB0080		AB0081
SAMPLE_DATE			27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00		27-Jul-00
START.DEPTH			2.5		2.5		2.5		2.5		2.5		2.5
END.DEPTH			3.5		3.5		3.5		3.5		3.5		3.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.222	J	0.25	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U

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GROUP_NAME			TNTC-B626		TNTC-B626		TNTC-B626		TNTC-B626		TNTC-B626	
LOCATION_CODE			TNTC-SO082		TNTC-SO083		TNTC-SO084		TNTC-SO240		TNTC-SO395		TNTC-SO396	
SAMPLE_NO			AB0082		AB0083		AB0084		AB0240		AB0395		AB0396	
SAMPLE_DATE			27-Jul-00		27-Jul-00		27-Jul-00		10-Aug-00		16-Sep-00		16-Sep-00	
START_DEPTH			0		0		0		0		4		8	
END_DEPTH			1		1		1		1		6		10	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.231	J	0.151	J	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.259		0.25	U

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GROUP_NAME			TNTC-B628		TNTC-B628		TNTC-B628		TNTC-B628		TNTC-B628
LOCATION_CODE			TNTC-SO211		TNTC-SO212		TNTC-SO213		TNTC-SO214		TNTC-SO215
SAMPLE_NO			AB0211		AB0212		AB0213		AB0214		AB0215
SAMPLE_DATE			14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00		14-Aug-00
START.DEPTH			0.75		0.5		1		1		0.5
END.DEPTH			1.75		1.5		2		2		1.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.238	U	0.25	U	0.227	U	0.132	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.476	U	0.5	U	0.455	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.238	U	0.25	U	0.227	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.238	U	0.25	U	0.227	U	0.25	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B682		TNTC-B682		TNTC-B682		TNTC-B682		TNTC-B682	
LOCATION_CODE			TNTC-SO166		TNTC-SO280		TNTC-SO281		TNTC-SO282		TNTC-SO308		TNTC-SO309
SAMPLE_NO			AB0166		AB0280		AB0281		AB0282		AB0308		AB0309
SAMPLE_DATE			12-Aug-00		19-Aug-00		19-Aug-00		19-Aug-00		22-Aug-00		22-Aug-00
START.DEPTH			1.5		0.25		0.25		0.25		0		0.5
END.DEPTH			1.8		1.25		1.25		1.25		1		1.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	3.54		1.29		0.227	U	0.25	U	0.27	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	3.57		2.3		0.227	U	0.25	U	0.338	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.238	U	0.227	U	0.25	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.672		0.866		0.227	U	0.25	U	0.217	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.238	U	0.227	U	0.25	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.298	J	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.476	U	0.455	U	0.5	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.121	J	0.238	U	0.227	U	0.25	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	62.9		47.5		0.227	U	0.25	U	0.194	J

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GROUP_NAME			TNTC-B682		TNTC-B682		TNTC-B682		TNTC-B682		TNTC-B682	
LOCATION_CODE			TNTC-SO310		TNTC-SO311		TNTC-SO312		TNTC-SO313		TNTC-SO314		TNTC-SO315
SAMPLE_NO			AB0310		AB0311		AB0312		AB0313		AB0314		AB0315
SAMPLE_DATE			22-Aug-00		22-Aug-00		22-Aug-00		22-Aug-00		22-Aug-00		22-Aug-00
START.DEPTH			0.5		0.5		0.25		2		0		0.25
END.DEPTH			1.5		1.5		1.5		2.5		1		1.25
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.293		0.107	J	0.914		0.71		0.583		0.217	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.493		0.148	J	1.18		0.739		0.762		0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.192	U	0.2	U	0.208	U	0.227	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.274		0.0994	J	0.2	U	0.123	J	0.133	J	0.217	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.385	U	0.4	U	0.417	U	0.455	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.192	U	0.2	U	0.208	U	0.227	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.385	U	0.4	U	0.417	U	0.455	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.385	U	0.4	U	0.417	U	0.455	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.385	U	0.4	U	0.417	U	0.455	U	0.435	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.385	U	0.4	U	0.417	U	0.455	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.385	U	0.4	U	0.417	U	0.455	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.192	U	0.2	U	0.208		0.227	U	0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.629		0.329		0.848		0.277		8.67		0.217	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B682		TNTC-B682		TNTC-B682		TNTC-B682		TNTC-B683		TNTC-B683	
LOCATION_CODE			TNTC-SO367		TNTC-SO368		TNTC-SO369		TNTC-SO370		TNTC-SO167		TNTC-SO168	
SAMPLE_NO			AB0367		AB0368		AB0369		AB0370		AB0167		AB0168	
SAMPLE_DATE			14-Sep-00		14-Sep-00		14-Sep-00		14-Sep-00		12-Aug-00		12-Aug-00	
START.DEPTH			4		8		4		8		0.5		1	
END.DEPTH			6		10		6		10		1		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.494		0.992		0.238	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.43		0.46		0.238	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.194	J	0.181	J	0.25	U	0.217	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.238	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.272	J	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.24	J	0.5	U	0.435	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.476	U	0.5	U	0.435	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.601		0.114	J	0.238	U	0.25	U	0.217	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	3.43		4.14		0.238	U	0.25	U	0.217	U	0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B683		TNTC-B683		TNTC-B683		TNTC-B683		TNTC-B683	
LOCATION_CODE			TNTC-SO169		TNTC-SO170		TNTC-SO171		TNTC-SO245		TNTC-SO399		TNTC-SO400	
SAMPLE_NO			AB0169		AB0170		AB0171		AB0245		AB0399		AB0400	
SAMPLE_DATE			12-Aug-00		12-Aug-00		12-Aug-00		12-Aug-00		16-Sep-00		16-Sep-00	
START.DEPTH			1.5		1		0.5		1		4		8	
END.DEPTH			2.5		1.5		1		2		6		10	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	1.53		2.86	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	1.45		2.05	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.597		0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.249	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	18.2		16.4	

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GROUP_NAME			TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686	
LOCATION_CODE			TNTC-SO142		TNTC-SO143		TNTC-SO144		TNTC-SO145		TNTC-SO146		TNTC-SO147
SAMPLE_NO			AB0142		AB0143		AB0144		AB0145		AB0146		AB0147
SAMPLE_DATE			12-Aug-00		12-Aug-00		12-Aug-00		12-Aug-00		12-Aug-00		12-Aug-00
START.DEPTH			2		1.6		2.5		2		1		0.33
END.DEPTH			3		2.6		3		3		1.5		1
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.142	J	1.14		0.25	U	0.319		0.227	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.17	J	0.823		0.25	U	0.496		0.227	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.227	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.25	U	0.147	J	0.227	U	0.15	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.455	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.227	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.455	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.3	J	0.5	U	0.455	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.455	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.455	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.5	U	0.455	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.25	U	0.227	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.139	J	9.19		0.132	J	8.33		0.114	J

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TNT Area C Remedial Investigations
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GROUP_NAME			TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686	
LOCATION_CODE			TNTC-SO148		TNTC-SO149		TNTC-SO150		TNTC-SO151		TNTC-SO152		TNTC-SO153
SAMPLE_NO			AB0148		AB0149		AB0150		AB0151		AB0152		AB0153
SAMPLE_DATE			12-Aug-00		12-Aug-00		12-Aug-00		12-Aug-00		12-Aug-00		12-Aug-00
START.DEPTH			0.33		0		0.33		1.3		2		1
END.DEPTH			1		1		1		2.3		3		2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.138	J	7.69		2.17		1.68		0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.126	J	0.151	J	12.8		3.48		1.97		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.687		0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.429	J	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.206	J	1.85		0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	1.64		0.686		38.1		196		0.692		0.25	U

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GROUP_NAME			TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686	
LOCATION_CODE			TNTC-SO154		TNTC-SO155		TNTC-SO156		TNTC-SO301		TNTC-SO302		TNTC-SO303	
SAMPLE_NO			AB0154		AB0155		AB0156		AB0301		AB0302		AB0303	
SAMPLE_DATE			12-Aug-00		12-Aug-00		12-Aug-00		23-Aug-00		23-Aug-00		23-Aug-00	
START.DEPTH			1		2.5		2		0		0.5		0.5	
END.DEPTH			2		3.5		3		1		1.5		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.191	J	1.17		10.3		4.42	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.377		1.33		10.5		6.55	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.238	U	0.217	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.238	U	0.217	U	0.25	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.476	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.238	U	0.109	J	0.353		0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.476	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.476	U	0.435	U	0.577		0.5	J
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.476	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.476	U	0.435	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.476	U	0.435	U	0.654		0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.238	U	0.126	J	1.75		0.684	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.238	U	20.1		902		383	

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GROUP_NAME			TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686	
LOCATION_CODE			TNTC-SO304		TNTC-SO305		TNTC-SO306		TNTC-SO307		TNTC-SO324		TNTC-SO325	
SAMPLE_NO			AB0304		AB0305		AB0306		AB0307		AB0324		AB0325	
SAMPLE_DATE			23-Aug-00		23-Aug-00		23-Aug-00		23-Aug-00		23-Sep-00		23-Sep-00	
START.DEPTH			0.5		0.5		0.5		0.75		1		1	
END.DEPTH			1.5		1.5		1.5		1.25		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	3.73		0.976		12.3		1.39		6.53	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	4.8		1.51		13.4		1.89		11.1	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.217	U	0.227	U	0.238	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.217	U	2.27		0.238	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.435	U	0.455	U	0.476	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.217	U	0.227	U	0.127	J	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.435	U	0.455	U	0.476	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.849		0.435	U	0.455	U	0.476	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.435	U	0.455	U	0.476	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.435	U	0.455	U	0.476	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.435	U	0.693		0.476	U	0.395	J
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.217	U	1.26		0.184	J	0.326	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.428		26.2		3.73		159		22.5		19.2	

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GROUP_NAME			TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686		TNTC-B686	
LOCATION_CODE			TNTC-SO329		TNTC-SO330		TNTC-SO335		TNTC-SO336		TNTC-SO371		TNTC-SO372	
SAMPLE_NO			AB0329		AB0330		AB0335		AB0336		AB0371		AB0372	
SAMPLE_DATE			23-Sep-00		23-Sep-00		13-Oct-00		13-Oct-00		14-Sep-00		14-Sep-00	
START.DEPTH			1		1		1		1		4		8	
END.DEPTH			2		2		2		2		6		10	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.488		1.23		0.18	J	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.566		0.687		0.48		0.208	J
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.1	U	0.1	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.1	U	0.1	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.2	U	0.2	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.1	U	0.1	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.2	U	0.2	U	0.195	J	0.365	J
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.2	U	2.38		0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.2	U	0.2	U	0.5	U	0.324	J
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.2	U	0.2	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.2	U	0.2	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.1	U	0.1	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.975		0.842		1.31		0.192	J	0.555	

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B689		TNTC-B689		TNTC-B689		TNTC-B689		TNTC-B689	
LOCATION_CODE			TNTC-SO001		TNTC-SO002		TNTC-SO003		TNTC-SO004		TNTC-SO005		TNTC-SO006
SAMPLE_NO			AB0001		AB0002		AB0003		AB0004		AB0005		AB0006
SAMPLE_DATE			25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00
START.DEPTH			0		0		0		0		0		0.5
END.DEPTH			1		1		1		1		1		1.5
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	6.08		0.25	U	0.25	U	0.25	U	0.388		0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	3.29		0.25	U	0.25	U	0.25	U	0.374		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	4.17		0.272		0.25	U	0.25	U	0.304		0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.565		0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	1.86		0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	2.04		0.25	U	0.25	U	0.25	U	0.239		0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B689		TNTC-B689		TNTC-B689		TNTC-B689		TNTC-B689		TNTC-B689	
LOCATION_CODE			TNTC-SO246		TNTC-SO247		TNTC-SO248		TNTC-SO249		TNTC-SO250		TNTC-SO275	
SAMPLE_NO			AB0246		AB0247		AB0248		AB0249		AB0250		AB0275	
SAMPLE_DATE			18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00		18-Aug-00		19-Aug-00	
START.DEPTH			2.5		0.5		0.5		1		2.5		3	
END.DEPTH			3		1		1		2		3.5		3.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.343		0.238	U	0.269		0.25	U	0.2	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.399		0.238	U	0.255		0.25	U	0.2	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.238	U	0.25	U	0.25	U	0.2	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.558		0.238	U	0.322		0.25	U	0.2	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U	0.4	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.238	U	0.25	U	0.25	U	0.2	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U	0.4	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U	0.4	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U	0.4	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U	0.4	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U	0.4	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.238	U	0.25	U	0.25	U	0.2	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.238	U	0.25	U	0.25	U	0.2	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B689		TNTC-B689		TNTC-B689		TNTC-B691		TNTC-B691		TNTC-B691	
LOCATION_CODE			TNTC-SO276		TNTC-SO401		TNTC-SO402		TNTC-SO019		TNTC-SO020		TNTC-SO021	
SAMPLE_NO			AB0276		AB0401		AB0402		AB0019		AB0020		AB0021	
SAMPLE_DATE			19-Aug-00		16-Sep-00		16-Sep-00		25-Jul-00		25-Jul-00		25-Jul-00	
START.DEPTH			2		4		6		0.5		0.5		0.5	
END.DEPTH			2.5		6		7		1.5		1.5		1.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.185	U	3.34		0.217	U	0.274		0.238	U	1.72	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.185	U	4.57		0.217	U	0.156	J	0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.185	U	0.227	U	0.217	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.185	U	14.3		0.147	J	0.306		0.238	U	0.0988	J
NITROAROMATICS	HMX	mg/kg	0.37	U	0.455	U	0.435	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.185	U	0.227	U	0.217	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.37	U	2.5		0.411	J	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.37	U	0.643		0.435	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.37	U	0.746		0.253	J	0.25	U	0.238	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.37	U	0.455	U	0.435	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.37	U	0.615		0.435	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.185	U	0.227	U	0.217	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.185	U	1.67		0.217	U	0.25	U	0.238	U	0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B691		TNTC-B691		TNTC-B691		TNTC-B691		TNTC-B691		TNTC-B692	
LOCATION_CODE			TNTC-SO022		TNTC-SO023		TNTC-SO024		TNTC-SO403		TNTC-SO404		TNTC-SO228	
SAMPLE_NO			AB0022		AB0023		AB0024		AB0403		AB0404		AB0228	
SAMPLE_DATE			25-Jul-00		25-Jul-00		25-Jul-00		16-Sep-00		16-Sep-00		11-Aug-00	
START_DEPTH			0.5		0.5		0.5		4		8		1	
END_DEPTH			1.5		1.5		1.5		6		10		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.238	U	0.25	U	0.217	U	0.208	U	0.368	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.238	U	0.25	U	0.217	U	0.208	U	0.659	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.238	U	0.25	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.238	U	0.25	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.435	U	0.417	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.217	U	0.208	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.238	U	0.25	U	0.217	U	0.208	U	0.589	

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B692		TNTC-B692		TNTC-B692		TNTC-B692		TNTC-B692	
LOCATION_CODE			TNTC-SO229		TNTC-SO230		TNTC-SO231		TNTC-SO232		TNTC-SO233		TNTC-SO241
SAMPLE_NO			AB0229		AB0230		AB0231		AB0232		AB0233		AB0241
SAMPLE_DATE			11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00
START.DEPTH			1		0.5		1.5		1.5		1.5		1
END.DEPTH			2		1.5		2.5		2.5		2.5		2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.213	J	0.238	U	0.25	U	0.172	J	0.247	J	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.108	J	0.238	U	0.135	J	0.238	U	0.287		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.317	
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.126	J	0.238	U	0.25	U	0.238	U	0.25	U	640	
NITROAROMATICS	HMX	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	0.366	
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	2.14	
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	1.3	
NITROAROMATICS	RDX	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.476	U	0.5	U	0.476	U	0.5	U	1.29	
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.238	U	0.25	U	0.238	U	0.25	U	3.88	
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.165	J	0.238	U	15.6		0.238	U	0.25	U	1319	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B692		TNTC-B692		TNTC-B692		TNTC-B692		TNTC-B692	
LOCATION_CODE			TNTC-SO242		TNTC-SO243		TNTC-SO244		TNTC-SO279		TNTC-SO283		TNTC-SO284
SAMPLE_NO			AB0242		AB0243		AB0244		AB0279		AB0283		AB0284
SAMPLE_DATE			11-Aug-00		11-Aug-00		11-Aug-00		19-Aug-00		19-Aug-00		19-Aug-00
START.DEPTH			1		1		1		2.5		0		1
END.DEPTH			2		2		2		3.5		1		2
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.158	J	0.4		0.394		0.999		4.78	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.191	J	0.564		0.361		0.908		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.132	J
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.132	J	0.581		0.137	J	0.283		986	
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.25	U	0.228	J	0.634		0.869		489	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B692		TNTC-B692		TNTC-B692		TNTC-B692		TNTC-B692	
LOCATION_CODE			TNTC-SO285		TNTC-SO286		TNTC-SO320		TNTC-SO332		TNTC-SO405		TNTC-SO406	
SAMPLE_NO			AB0285		AB0286		AB0320		AB0332		AB0405		AB0406	
SAMPLE_DATE			19-Aug-00		19-Aug-00		23-Sep-00		13-Oct-00		16-Sep-00		16-Sep-00	
START.DEPTH			1		1		1.5		2		4		8	
END.DEPTH			2		2		2.5		2.5		6		10	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	4.01		8.15		0.62		5.01		0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	4.45		9.42		0.614		5.35		0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.217	U	0.25	U	0.1	U	0.211	J	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.362		0.217	U	1.67		0.134		0.975		0.25	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.435	U	0.5	U	0.2	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.217	U	0.25	U	0.1	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.435	U	0.5	U	0.2	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.448		0.5	U	0.2	U	0.323	J	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.435	U	0.5	U	0.2	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.435	U	0.5	U	0.2	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.237	J	0.437	J	0.2	U	0.458	J	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.217	U	2.04		0.1	U	0.149	J	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.752		41.1		399		0.0884	J	2.55		0.25	U

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B693		TNTC-B693		TNTC-B693		TNTC-B693		TNTC-B693	
LOCATION_CODE			TNTC-SO172		TNTC-SO173		TNTC-SO174		TNTC-SO175		TNTC-SO176		TNTC-SO177	
SAMPLE_NO			AB0172		AB0173		AB0174		AB0175		AB0176		AB0177	
SAMPLE_DATE			11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00	
START.DEPTH			1.5		1		1		1		1		1	
END.DEPTH			2.5		2		2		2		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.306		0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.392		0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	HMX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.5	U	0.5	U	0.5	U	0.5	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.25	U	0.25	U	0.25	U	0.25	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.238	U	0.194	J	0.25	U	0.224	J	0.25	U	0.238	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B693		TNTC-B693		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696	
LOCATION_CODE			TNTC-SO407		TNTC-SO408		TNTC-SO178		TNTC-SO179		TNTC-SO180		TNTC-SO181	
SAMPLE_NO			AB0407		AB0408		AB0178		AB0179		AB0180		AB0181	
SAMPLE_DATE			16-Sep-00		16-Sep-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00	
START.DEPTH			4		8		1		1		1.6		1	
END.DEPTH			6		10		2		2		2.6		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.275		0.227	U	0.238	U	0.152	J	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	2.29		0.118	J	0.138	J	0.188	J	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.227	U	0.238	U	0.217	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.144	J	0.733		0.114	J	0.238	U	0.217	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.455	U	0.476	U	0.435	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.227	U	0.238	U	0.217	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.455	U	0.476	U	0.435	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.455	U	0.476	U	0.435	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.227	U	0.238	U	0.217	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.455	U	0.476	U	0.435	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.455	U	0.476	U	0.435	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.227	U	0.238	U	0.217	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.33		0.227	U	1.37		0.217	U	0.25	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696	
LOCATION_CODE			TNTC-SO182		TNTC-SO183		TNTC-SO184		TNTC-SO185		TNTC-SO186		TNTC-SO187	
SAMPLE_NO			AB0182		AB0183		AB0184		AB0185		AB0186		AB0187	
SAMPLE_DATE			11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00	
START.DEPTH			1.6		1		1.5		1		1		1	
END.DEPTH			2.6		2		2.5		2		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test.Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.155	J	0.25	U	0.5		0.227	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.141	J	0.25	U	0.734		0.227	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.217	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.217	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.435	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.217	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.435	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.435	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.217	U	0.25	U	0.476	U	0.455	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.435	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.435	U	0.5	U	0.476	U	0.455	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.217	U	0.25	U	0.238	U	0.227	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.25	U	0.163	J	0.253		0.14	J	1.31	

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696	
LOCATION_CODE			TNTC-SO188		TNTC-SO189		TNTC-SO190		TNTC-SO191		TNTC-SO192		TNTC-SO287	
SAMPLE_NO			AB0188		AB0189		AB0190		AB0191		AB0192		AB0287	
SAMPLE_DATE			11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		11-Aug-00		19-Aug-00	
START.DEPTH			1		1.5		1		0.5		1.6		1	
END.DEPTH			2		2.5		2		1.5		2.6		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.194	J	1.41		4.26		1.23		0.603		0.217	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.224	J	1.27		7.21		1.19		0.694		0.217	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U	0.217	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.192	J	0.238	U	0.278		0.217	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.238	U	0.217	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	1.4		0.476	U	0.476	U	0.435	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.233	J	0.476	U	0.476	U	0.435	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.447		0.217	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	13.9		1.28		0.24		20.3		0.217	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696	
LOCATION_CODE			TNTC-SO288		TNTC-SO289		TNTC-SO290		TNTC-SO291		TNTC-SO292		TNTC-SO293
SAMPLE_NO			AB0288		AB0289		AB0290		AB0291		AB0292		AB0293
SAMPLE_DATE			19-Aug-00		19-Aug-00		19-Aug-00		19-Aug-00		19-Aug-00		19-Aug-00
START.DEPTH			0		0.5		1		1.5		1		0
END.DEPTH			1		1.5		2		2.5		2		1
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.398		1.38		0.563		2.22		0.739		1.97	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.413		1.52		0.39		2.48		0.585		1.89	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.208	U	0.2	U	0.192	U	0.25	U	0.217	U	0.238	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.208	U	0.2	U	0.192	U	0.25	U	0.308		0.238	U
NITROAROMATICS	HMX	mg/kg	0.417	U	0.4	U	0.385	U	0.5	U	0.435	U	0.476	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.208	U	0.2	U	0.192	U	0.25	U	0.217	U	0.238	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.417	U	0.4	U	0.385	U	0.5	U	0.435	U	0.476	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.417	U	0.4	U	0.385	U	0.62		0.435	U	0.476	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.417	U	0.4	U	0.385	U	0.5	U	0.435	U	0.476	U
NITROAROMATICS	RDX	mg/kg	0.417	U	0.4	U	0.385	U	0.5	U	0.435	U	0.476	U
NITROAROMATICS	Tetryl	mg/kg	0.417	U	0.4	U	0.385	U	0.5	U	0.435	U	0.476	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.208	U	0.2	U	0.192	U	0.52		0.217	U	0.238	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.658		2.75		0.833		33.1		3.31		24.7	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B696	
LOCATION_CODE			TNTC-SO294		TNTC-SO295		TNTC-SO326		TNTC-SO327		TNTC-SO328		TNTC-SO333	
SAMPLE_NO			AB0294		AB0295		AB0326		AB0327		AB0328		AB0333	
SAMPLE_DATE			19-Aug-00		19-Aug-00		23-Sep-00		23-Sep-00		23-Sep-00		13-Oct-00	
START.DEPTH			1		1		1.5		2		1		2	
END.DEPTH			2		2		2.5		3		2		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.238	U	0.281		4.04		2.06		1.51		1.07	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.238	U	0.355		3.21		2.75		2.76		0.981	
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.238	U	0.217	U	0.25	U	0.25	U	0.25	U	0.1	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.238	U	0.217	U	0.25	U	0.25	U	0.25	U	0.0713	J
NITROAROMATICS	HMX	mg/kg	0.476	U	0.435	U	0.5	U	0.5	U	0.5	U	0.2	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.238	U	0.217	U	0.25	U	0.25	U	0.25	U	0.1	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.476	U	0.435	U	0.5	U	0.5	U	0.5	U	0.2	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.476	U	0.435	U	0.5	U	0.775		0.5	U	0.137	J
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.476	U	0.435	U	0.5	U	0.5	U	0.5	U	0.2	U
NITROAROMATICS	RDX	mg/kg	0.476	U	0.435	U	0.5	U	0.5	U	0.5	U	0.2	U
NITROAROMATICS	Tetryl	mg/kg	0.476	U	0.435	U	0.5	U	0.5	U	0.5	U	0.2	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.238	U	0.217	U	0.196	J	0.25	U	0.25	U	0.1	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.206	J	0.155	J	46.2		2.92		0.243	J	0.273	

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TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B696		TNTC-B696		TNTC-B696		TNTC-B698		TNTC-B698		TNTC-B698	
LOCATION_CODE			TNTC-SO334		TNTC-SO373		TNTC-SO374		TNTC-SO137		TNTC-SO138		TNTC-SO139	
SAMPLE_NO			AB0334		AB0373		AB0374		AB0137		AB0138		AB0139	
SAMPLE_DATE			13-Oct-00		14-Sep-00		14-Sep-00		27-Jul-00		27-Jul-00		27-Jul-00	
START.DEPTH			1		4		8		0		0		1.5	
END.DEPTH			2		6		10		1		1		2.5	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.1	U	0.25	U	0.25	U	0.295		0.238	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.1	U	0.159	J	0.25	U	0.419		0.238	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.1	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.1	U	0.25	U	0.125	J	0.25	U	0.238	U	0.25	U
NITROAROMATICS	HMX	mg/kg	0.2	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.1	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.2	U	0.31	J	0.21	J	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.2	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.2	U	0.324	J	0.5	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.2	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.2	U	0.5	U	0.5	U	0.5	U	0.476	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.1	U	0.25	U	0.25	U	0.25	U	0.238	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.1	U	0.25	U	0.25	U	0.677		0.25		0.25	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B698		TNTC-B698		TNTC-B699		TNTC-B699		TNTC-B699		TNTC-B699	
LOCATION_CODE			TNTC-SO140		TNTC-SO141		TNTC-SO013		TNTC-SO014		TNTC-SO015		TNTC-SO016	
SAMPLE_NO			AB0140		AB0141		AB0013		AB0014		AB0015		AB0016	
SAMPLE_DATE			27-Jul-00		27-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00		25-Jul-00	
START_DEPTH			0		0		1		1		1		1	
END_DEPTH			1		1		2		2		2		2	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.184	J	0.259	
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U	0.199	J
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.368		0.128	J
NITROAROMATICS	HMX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.5	U	0.5	U	0.476	U	0.455	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.25	U	0.25	U	0.238	U	0.227	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.338		0.25	U	0.238	U	0.197	J	0.25	U

Soil Screening Data Summary Report
TNT Area C Remedial Investigations
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B699		TNTC-B699		TNTC-B699		TNTC-B699		TNTC-B699	
LOCATION_CODE			TNTC-SO017		TNTC-SO018		TNTC-SO277		TNTC-SO409		TNTC-SO410	
SAMPLE_NO			AB0017		AB0018		AB0277		AB0409		AB0410	
SAMPLE_DATE			25-Jul-00		25-Jul-00		19-Aug-00		16-Sep-00		16-Sep-00	
START_DEPTH			2		1		3.5		4		8	
END_DEPTH			3		2		4		6		10	
SAMPLE_PURPOSE			SCRN		SCRN		SCRN		SCRN		SCRN	
Test Group	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4	mg/kg	0.25	U	0.208	U	0.229		0.25	U	0.25	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2	mg/kg	0.25	U	0.208	U	0.14	J	0.25	U	0.25	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.25	U	0.208	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.639		0.208	U	0.19	J	0.158	J	0.25	U
NITROAROMATICS	HMX	mg/kg	0.5	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.25	U	0.208	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.5	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.5	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.25	U	0.208	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	RDX	mg/kg	0.5	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Tetryl	mg/kg	0.5	U	0.417	U	0.455	U	0.5	U	0.5	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.25	U	0.208	U	0.227	U	0.25	U	0.25	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.25	U	0.208	U	0.288		0.25	U	0.25	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B602			TNTC-B602			TNTC-B602			TNTC-B603			TNTC-B603		
LOCATION_CODE			TNTC-SO134			TNTC-SO134			TNTC-SO134			TNTC-SO123			TNTC-SO123		
SAMPLE_NO			AB0434			AB0436			AB0465			AB0463			AB0464		
SAMPLE_DATE			26-Sep-00			26-Sep-00			27-Sep-00			27-Sep-00			27-Sep-00		
START.DEPTH			2.5			2.5			5			5			8		
END.DEPTH			3.5			3.5			7			7			10		
SAMPLE_PURPOSE			FD			REG			REG			REG			REG		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	0.213			0.146			0.0952	U	U	0.934			0.896		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.164			0.108			0.0952	U	U	3.61			10.3		
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.1	U	U	0.08	U	U	0.0952	U	U	0.0952	U	U	0.0952	U	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.214			0.165			0.0952	U	U	3.5			16.8		
NITROAROMATICS	HMX	mg/kg	0.2	U	U	0.16	U	U	0.19	U	U	0.19	U	U	0.19	U	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.1	U	U	0.08	U	U	0.0952	U	U	0.0952	U	U	0.0952	U	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.2	U	U	0.16	U	U	0.19	U	U	0.27			2.8		
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.2	U	U	0.16	U	U	0.19	U	U	0.275			0.328		
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.2	U	U	0.16	U	U	0.19	U	U	0.19	U	U	1.47		
NITROAROMATICS	RDX	mg/kg	0.2	U	U	0.16	U	U	0.19	U	U	0.19	U	U	0.19	U	U
NITROAROMATICS	Tetryl	mg/kg	0.2	U	U	0.16	U	U	0.19	U	U	0.19	U	U	0.19	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.1	U	U	0.08	U	U	0.0952	U	U	0.205			0.507		
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.0753	J	J	0.049	J	J	0.119			5.26			15.1		
VOLATILES	Acetone	mg/kg	0.0167		J	0.0535		J	0.015			0.0081	J	J	0.034		
VOLATILES	Benzene	mg/kg	0.0021	J	J	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Bromodichloromethane	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Bromoform	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Bromomethane	mg/kg	0.0102	U	UJ	0.011	U	U	0.0103	U	U	0.0103	U	U	0.0106	U	U
VOLATILES	Butanone, 2-	mg/kg	0.0102	U	UJ	0.011	U	U	0.00545	J	J	0.0103	U	U	0.0106	U	U
VOLATILES	Carbon disulfide	mg/kg	0.01		J	0.00379	J	J	0.00175	J	J	0.00517	U	U	0.00215	J	J
VOLATILES	Carbon tetrachloride	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Chlorobenzene	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Chloroethane	mg/kg	0.0102	U	UJ	0.011	U	U	0.0103	U	U	0.0103	U	U	0.0106	U	U
VOLATILES	Chloroform	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Chloromethane	mg/kg	0.0102	U	UJ	0.011	U	U	0.0103	U	U	0.0103	U	U	0.0106	U	U
VOLATILES	Dibromochloromethane	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloroethane, 1,1-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloroethane, 1,2-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloroethene, 1,1-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloroethene, cis-1,2-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloroethene, trans-1,2-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloropropane, 1,2-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloropropene, cis-1,3-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Dichloropropene, trans-1,3-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B602			TNTC-B602			TNTC-B602			TNTC-B603			TNTC-B603		
LOCATION_CODE			TNTC-SO134			TNTC-SO134			TNTC-SO134			TNTC-SO123			TNTC-SO123		
SAMPLE_NO			AB0434			AB0436			AB0465			AB0463			AB0464		
SAMPLE_DATE			26-Sep-00			26-Sep-00			27-Sep-00			27-Sep-00			27-Sep-00		
START.DEPTH			2.5			2.5			5			5			8		
END.DEPTH			3.5			3.5			7			7			10		
SAMPLE_PURPOSE			FD			REG			REG			REG			REG		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Hexanone, 2-	mg/kg	0.0102	U	UJ	0.011	U	U	0.0103	U	U	0.0103	U	U	0.0106	U	U
VOLATILES	Methyl-2-pentanone, 4-	mg/kg	0.0102	U	UJ	0.011	U	U	0.0103	U	U	0.0103	U	U	0.0106	U	U
VOLATILES	Methylene chloride	mg/kg	0.00574	JB	B	0.00878	JB	B	0.0104			0.00443	J	B	0.00272	J	B
VOLATILES	Styrene	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Tetrachloroethene	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Toluene	mg/kg	0.00354	J	J	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Trichloroethane, 1,1,1-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Trichloroethane, 1,1,2-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Trichloroethene	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Vinyl chloride	mg/kg	0.0102	U	UJ	0.011	U	U	0.0103	U	U	0.0103	U	U	0.0106	U	U
VOLATILES	Xylene, o-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
VOLATILES	Xylenes, m,p-	mg/kg	0.00508	U	UJ	0.00549	U	U	0.00513	U	U	0.00517	U	U	0.00531	U	U
SEMIVOLATILES	Acenaphthene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Acenaphthylene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Anthracene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Benzo(a)anthracene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Benzo(a)pyrene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Benzo(ghi)perylene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	mg/kg	0.37	U	U	0.375	U	U	0.0264	J	J	0.792	U	U	1.93	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Butyl benzyl phthalate	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Carbazole	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Chloroaniline, 4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Chlorophenol, 2-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U

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GROUP_NAME			TNTC-B602			TNTC-B602			TNTC-B602			TNTC-B603			TNTC-B603	
LOCATION_CODE			TNTC-SO134			TNTC-SO134			TNTC-SO134			TNTC-SO123			TNTC-SO123	
SAMPLE_NO			AB0434			AB0436			AB0465			AB0463			AB0464	
SAMPLE_DATE			26-Sep-00			26-Sep-00			27-Sep-00			27-Sep-00			27-Sep-00	
START_DEPTH			2.5			2.5			5			5			8	
END_DEPTH			3.5			3.5			7			7			10	
SAMPLE_PURPOSE			FD			REG			REG			REG			REG	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Di-n-butyl phthalate	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Di-n-octyl phthalate	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dibenzofuran	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	mg/kg	0.741	U	U	0.751	U	U	0.787	U	U	1.58	U	U	3.87	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Diethyl phthalate	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dimethyl phthalate	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	mg/kg	0.741	U	U	0.751	U	U	0.787	U	U	1.58	U	U	3.87	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	mg/kg	0.741	U	U	0.751	U	U	0.787	U	U	1.58	U	U	3.87	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.0733	J	J	0.0732	J	J	0.394	U	U	0.617	J	J	8.19		
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	7.21			6.83		
SEMIVOLATILES	Fluoranthene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Fluorene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Hexachlorobenzene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Hexachlorobutadiene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	UJ	0.792	U	U	1.93	U	UJ
SEMIVOLATILES	Hexachloroethane	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Isophorone	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Methylphenol, 2-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Methylphenol, 4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Naphthalene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Nitroaniline, 2-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Nitroaniline, 3-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Nitroaniline, 4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U

Soil Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC-B602			TNTC-B602			TNTC-B602			TNTC-B603			TNTC-B603		
LOCATION_CODE			TNTC-SO134			TNTC-SO134			TNTC-SO134			TNTC-SO123			TNTC-SO123		
SAMPLE_NO			AB0434			AB0436			AB0465			AB0463			AB0464		
SAMPLE_DATE			26-Sep-00			26-Sep-00			27-Sep-00			27-Sep-00			27-Sep-00		
START.DEPTH			2.5			2.5			5			5			8		
END.DEPTH			3.5			3.5			7			7			10		
SAMPLE_PURPOSE			FD			REG			REG			REG			REG		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Nitrophenol, 2-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Nitrophenol, 4-	mg/kg	0.741	U	U	0.751	U	U	0.787	U	U	1.58	U	UJ	3.87	U	U
SEMIVOLATILES	Pentachlorophenol	mg/kg	0.741	U	U	0.751	U	U	0.787	U	U	1.58	U	U	3.87	U	U
SEMIVOLATILES	Phenanthrene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Phenol	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Pyrene	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	mg/kg	0.37	U	U	0.375	U	U	0.394	U	U	0.792	U	U	1.93	U	U
PCBS	Aroclor 1016	mg/kg	0.0373	U	U	0.0375	U	U	0.0393	U	U	0.0397	U	U	0.0386	U	U
PCBS	Aroclor 1221	mg/kg	0.0373	U	U	0.0375	U	U	0.0393	U	U	0.0397	U	U	0.0386	U	U
PCBS	Aroclor 1232	mg/kg	0.0373	U	U	0.0375	U	U	0.0393	U	U	0.0397	U	U	0.0386	U	U
PCBS	Aroclor 1242	mg/kg	0.0373	U	U	0.0375	U	U	0.0393	U	U	0.0397	U	U	0.0386	U	U
PCBS	Aroclor 1248	mg/kg	0.0373	U	U	0.0375	U	U	0.0393	U	U	0.0397	U	U	0.0386	U	U
PCBS	Aroclor 1254	mg/kg	0.0721			0.46			0.176			0.0397	U	U	0.0386	U	U
PCBS	Aroclor 1260	mg/kg	0.0745	U	U	0.0749	U	U	0.135			0.0794	U	U	0.0773	U	U
METALS	Aluminum	mg/kg	5850		J	5490		J	5010		J	4310		J	6950		J
METALS	Antimony	mg/kg	1.25	U	UJ	1.31	U	UJ	1.4	U	UJ	1.35	U	UJ	1.3	U	UJ
METALS	Arsenic	mg/kg	2.82			3.95			4.22			2.99			2.9		
METALS	Barium	mg/kg	28.2		J	30.5		J	25.3			24.4			21.5		
METALS	Beryllium	mg/kg	0.383			0.36			0.342			0.321			0.515		
METALS	Cadmium	mg/kg	0.097	B	J	0.656	U	U	0.16	B	J	0.136	B	J	0.65	U	U
METALS	Calcium	mg/kg	40800		J	35800		J	16600		J	65300		J	126000		J
METALS	Chromium	mg/kg	9.71			8.44			9.89			7.13			14.1		
METALS	Cobalt	mg/kg	6.11			6.29			4.78			3.62			8.38		
METALS	Copper	mg/kg	8.82			11.1			28		J	11.2		J	11.5		J
METALS	Iron	mg/kg	12900			13100			10600			10100			14000		
METALS	Lead	mg/kg	20.7		J	21.6		J	157		J	27.9		J	4.05		J
METALS	Magnesium	mg/kg	2530			2230			1910		J	1160		J	3960		J
METALS	Manganese	mg/kg	469			484			244			361			764		
METALS	Mercury	mg/kg	0.036	U	U	0.036	U	U	0.037	U	U	0.031	U	U	0.038	U	U
METALS	Nickel	mg/kg	18			18.4			13			10.4			23.1		
METALS	Potassium	mg/kg	1490			1250			1150			897			2640		

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GROUP_NAME			TNTC-B602			TNTC-B602			TNTC-B602			TNTC-B603			TNTC-B603	
LOCATION_CODE			TNTC-SO134			TNTC-SO134			TNTC-SO134			TNTC-SO123			TNTC-SO123	
SAMPLE_NO			AB0434			AB0436			AB0465			AB0463			AB0464	
SAMPLE_DATE			26-Sep-00			26-Sep-00			27-Sep-00			27-Sep-00			27-Sep-00	
START.DEPTH			2.5			2.5			5			5			8	
END.DEPTH			3.5			3.5			7			7			10	
SAMPLE_PURPOSE			FD			REG			REG			REG			REG	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	mg/kg	1.05	U	U	1.09	U	U	1.17	U	U	1.12	U	U	1.08	U	U
METALS	Silver	mg/kg	0.627	U	U	0.656	U	U	0.497	B	J	0.675	U	U	0.65	U	U
METALS	Sodium	mg/kg	188	B	B	196	B	B	263			288			355		
METALS	Thallium	mg/kg	2.09	U	U	2.19	U	U	2.34	U	U	2.25	U	U	2.17	U	U
METALS	Vanadium	mg/kg	9.7			9.69			12.7			8.95			9.79		
METALS	Zinc	mg/kg	46.3			55.1			33.8			41.2			17.3		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B606			TNTC-B611			TNTC-B616			TNTC-B616			TNTC-B616		
LOCATION_CODE		TNTC-SO206			TNTC-SO383			TNTC-SO100			TNTC-SO107			TNTC-SO107		
SAMPLE_NO		AB0447			AB0470			AB0476			AB0432			AB0433		
SAMPLE_DATE		12-Oct-00			27-Sep-00			12-Oct-00			10-Oct-00			10-Oct-00		
START_DEPTH		1			4			2			0			3		
END_DEPTH		2			6			3			1			4		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	4.48			0.192			0.0952	U	U	0.0952	U	U	0.293		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	6.9			0.182			6.44			0.0952	U	U	0.226		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0952	U	U	0.1	U	U	0.0952	U	U	0.0952	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.0952	U	U	0.156			0.0952	U	U	0.0952	U	U	0.1	U	U
NITROAROMATICS	HMX	0.19	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.0952	U	U	0.1	U	U	0.195			0.0952	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.19	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.19	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.19	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	RDX	0.19	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.19	U	U	0.2	U	U	0.19	U	U	0.19	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.0952	U	U	0.1	U	U	0.499			0.0952	U	U	0.238		
NITROAROMATICS	Trinitrotoluene, 2,4,6-	3.45			0.0956	J	J	2226			0.566			47.3		
VOLATILES	Acetone	0.0846			0.0228			0.0196		J	0.0861		J	0.0204		J
VOLATILES	Benzene	0.00162	J	J	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Bromodichloromethane	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Bromoform	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Bromomethane	0.00976	U	U	0.0114	U	U	0.0104	U	U	0.0135	U	U	0.0131	U	U
VOLATILES	Butanone, 2-	0.00976	U	U	0.0114	U	U	0.0104	U	U	0.0135	U	U	0.0131	U	U
VOLATILES	Carbon disulfide	0.01			0.00571	U	U	0.00175	J	J	0.00674	U	U	0.00653	U	U
VOLATILES	Carbon tetrachloride	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Chlorobenzene	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Chloroethane	0.00976	U	U	0.0114	U	U	0.0104	U	U	0.0135	U	U	0.0131	U	U
VOLATILES	Chloroform	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Chloromethane	0.00976	U	U	0.0114	U	U	0.0104	U	U	0.0135	U	U	0.0131	U	U
VOLATILES	Dibromochloromethane	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloroethane, 1,1-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloroethane, 1,2-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloroethene, 1,1-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloropropane, 1,2-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U

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GROUP_NAME		TNTC-B606			TNTC-B611			TNTC-B616			TNTC-B616			TNTC-B616		
LOCATION_CODE		TNTC-SO206			TNTC-SO383			TNTC-SO100			TNTC-SO107			TNTC-SO107		
SAMPLE_NO		AB0447			AB0470			AB0476			AB0432			AB0433		
SAMPLE_DATE		12-Oct-00			27-Sep-00			12-Oct-00			10-Oct-00			10-Oct-00		
START.DEPTH		1			4			2			0			3		
END.DEPTH		2			6			3			1			4		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Hexanone, 2-	0.00976	U	U	0.0114	U	U	0.0104	U	U	0.0135	U	U	0.0131	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.00976	U	U	0.0114	U	U	0.0104	U	U	0.0135	U	U	0.0131	U	U
VOLATILES	Methylene chloride	0.00622	B	B	0.00706	B	B	0.00798	B	B	0.0188	B	B	0.00523	JB	B
VOLATILES	Styrene	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Tetrachloroethene	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Toluene	0.00184	J	J	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Trichloroethene	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Vinyl chloride	0.00976	U	U	0.0114	U	U	0.0104	U	U	0.0135	U	U	0.0131	U	U
VOLATILES	Xylene, o-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
VOLATILES	Xylenes, m,p-	0.00488	U	U	0.00571	U	U	0.00522	U	U	0.00674	U	U	0.00653	U	U
SEMIVOLATILES	Acenaphthene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Acenaphthylene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Anthracene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.0498	J	J	0.387	U	U	0.405	U	U	0.269	J	J	0.435	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.0449	J	J	0.387	U	U	0.405	U	U	0.305	J	J	0.435	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.0826	J	J	0.387	U	U	0.405	U	U	0.443			0.435	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.377	U	U	0.387	U	U	0.405	U	U	0.222	J	J	0.435	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.377	U	U	0.387	U	U	0.405	U	U	0.178	J	J	0.435	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.0419	J	J	0.387	U	U	0.0324	J	J	0.0328	J	J	0.0883	J	J
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Carbazole	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U

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GROUP_NAME		TNTC-B606			TNTC-B611			TNTC-B616			TNTC-B616			TNTC-B616		
LOCATION_CODE		TNTC-SO206			TNTC-SO383			TNTC-SO100			TNTC-SO107			TNTC-SO107		
SAMPLE_NO		AB0447			AB0470			AB0476			AB0432			AB0433		
SAMPLE_DATE		12-Oct-00			27-Sep-00			12-Oct-00			10-Oct-00			10-Oct-00		
START.DEPTH		1			4			2			0			3		
END.DEPTH		2			6			3			1			4		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.377	U	U	0.387	U	U	0.405	U	U	0.31	J	J	0.435	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.0494	J	J	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.377	U	U	0.387	U	U	0.405	U	U	0.0817	J	J	0.435	U	U
SEMIVOLATILES	Dibenzofuran	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.755	U	U	0.775	U	U	0.811	U	U	0.874	U	U	0.87	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Diethyl phthalate	0.624	B	B	0.387	U	U	0.622	B	B	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dimethyl phthalate	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.755	U	U	0.775	U	U	0.811	U	U	0.874	U	U	0.87	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.755	U	UJ	0.775	U	U	0.811	U	U	0.874	U	U	0.87	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.377	U	U	0.387	U	U	0.496			0.437	U	U	0.435	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Fluoranthene	0.086	J	J	0.387	U	U	0.405	U	U	0.409	J	J	0.435	U	U
SEMIVOLATILES	Fluorene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Hexachlorobenzene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.377	U	U	0.387	U	UJ	0.405	U	U	0.437	U	UJ	0.435	U	UJ
SEMIVOLATILES	Hexachloroethane	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.377	U	U	0.387	U	U	0.405	U	U	0.21	J	J	0.435	U	U
SEMIVOLATILES	Isophorone	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Methylphenol, 2-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Methylphenol, 4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Naphthalene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U

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GROUP_NAME		TNTC-B606			TNTC-B611			TNTC-B616			TNTC-B616			TNTC-B616		
LOCATION_CODE		TNTC-SO206			TNTC-SO383			TNTC-SO100			TNTC-SO107			TNTC-SO107		
SAMPLE_NO		AB0447			AB0470			AB0476			AB0432			AB0433		
SAMPLE_DATE		12-Oct-00			27-Sep-00			12-Oct-00			10-Oct-00			10-Oct-00		
START_DEPTH		1			4			2			0			3		
END_DEPTH		2			6			3			1			4		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.755	U	U	0.775	U	U	0.811	U	U	0.874	U	U	0.87	U	U
SEMIVOLATILES	Pentachlorophenol	0.755	U	U	0.775	U	U	0.811	U	U	0.874	U	U	0.87	U	U
SEMIVOLATILES	Phenanthrene	0.377	U	U	0.387	U	U	0.405	U	U	0.107	J	J	0.435	U	U
SEMIVOLATILES	Phenol	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Pyrene	0.377	U	U	0.387	U	U	0.405	U	U	0.33	J	J	0.435	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.377	U	U	0.387	U	U	0.405	U	U	0.437	U	U	0.435	U	U
PCBS	Aroclor 1016	0.0377	U	U	0.0389	U	U	0.0405	U	U	0.0437	U	U	0.0435	U	U
PCBS	Aroclor 1221	0.0377	U	U	0.0389	U	U	0.0405	U	U	0.0437	U	U	0.0435	U	U
PCBS	Aroclor 1232	0.0377	U	U	0.0389	U	U	0.0405	U	U	0.0437	U	U	0.0435	U	U
PCBS	Aroclor 1242	0.0377	U	U	0.0389	U	U	0.0405	U	U	0.0437	U	U	0.0435	U	U
PCBS	Aroclor 1248	0.0377	U	U	0.0389	U	U	0.0405	U	U	0.0437	U	U	0.0435	U	U
PCBS	Aroclor 1254	0.0377	U	U	0.0389	U	U	0.0405	U	U	0.0437	U	U	0.0435	U	U
PCBS	Aroclor 1260	0.14		J	0.0244	J	J	0.26			0.088			0.03	J	J
METALS	Aluminum	7260	H	J	7180		J	4540	H	J	5290		J	3750		J
METALS	Antimony	1.35	U	UJ	1.36	U	UJ	0.654	B	B	1.59			1.51	U	U
METALS	Arsenic	6.59			2.9			3.32			3.86		B	3.68		B
METALS	Barium	40.4			27.3			28.3			57.7			14.6		
METALS	Beryllium	0.823		J	0.389			0.36		J	0.403			0.28		
METALS	Cadmium	0.345	B	J	0.679	U	U	0.498	B	J	0.316	B	J	0.753	U	U
METALS	Calcium	34900	H	J	1410		J	10700	H	J	10700			2790		
METALS	Chromium	13.2			6.34			9.85			13.7			7.44		
METALS	Cobalt	5.77			1.63			3.23			5.03			3.16		
METALS	Copper	19			3.38		B	35.9			99.8			5.36		
METALS	Iron	16900			6930			11500			12900			8140		
METALS	Lead	79.5		J	6.03		J	111		J	361			15.3		
METALS	Magnesium	4250		J	629		J	1910		J	1660			1660		
METALS	Manganese	387		J	81.9			211		J	505			122		
METALS	Mercury	0.086		J	0.02	B	J	0.072		J	0.04		B	0.114		B
METALS	Nickel	17			4.37			8.95			11.9			9.44		
METALS	Potassium	1080		J	253			706		J	1070			639		

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GROUP_NAME		TNTC-B606			TNTC-B611			TNTC-B616			TNTC-B616			TNTC-B616		
LOCATION_CODE		TNTC-SO206			TNTC-SO383			TNTC-SO100			TNTC-SO107			TNTC-SO107		
SAMPLE_NO		AB0447			AB0470			AB0476			AB0432			AB0433		
SAMPLE_DATE		12-Oct-00			27-Sep-00			12-Oct-00			10-Oct-00			10-Oct-00		
START.DEPTH		1			4			2			0			3		
END.DEPTH		2			6			3			1			4		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.12	U	U	1.13	U	U	1.17	U	U	1.3	U	U	1.25	U	U
METALS	Silver	0.672	U	U	0.679	U	U	0.701	U	U	0.779	U	U	0.753	U	U
METALS	Sodium	186	B	B	210	B	J	134	B	B	227	B	J	110	B	J
METALS	Thallium	2.24	U	U	2.26	U	U	2.34	U	U	2.6	U	U	2.51	U	U
METALS	Vanadium	18.8			11.9			17.1			16.9			12.2		
METALS	Zinc	151			27.1			86.1			171			31.3		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B626		
LOCATION_CODE		TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO074		
SAMPLE_NO		AB0449			AB0451			AB0473			AB0474			AB0431		
SAMPLE_DATE		27-Sep-00			27-Sep-00			29-Sep-00			29-Sep-00			12-Oct-00		
START.DEPTH		0.5			0.5			4			4			2.5		
END.DEPTH		1.5			1.5			6			6			3.5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	2.91			4.78			0.1	U	U	0.1	U	U	0.784		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	3.81			3.77			0.275			0.1	U	U	2.67		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0727	J	J	0.0829	J	J	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.974			0.57			0.121			0.1	U	U	0.1	U	U
NITROAROMATICS	HMX	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.335			0.283			0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.177			0.462			0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	RDX	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.174	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	1.16			0.966			0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	952			681			1.32			0.1	U	U	1.41		
VOLATILES	Acetone	0.0279			0.0438			0.0103	U	U	0.00946	U	UJ	0.0986		
VOLATILES	Benzene	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.00216	J	J
VOLATILES	Bromodichloromethane	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Bromoform	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Bromomethane	0.0116	U	U	0.0107	U	U	0.0103	U	U	0.00946	U	UJ	0.00941	U	U
VOLATILES	Butanone, 2-	0.0116	U	U	0.015			0.0103	U	U	0.00946	U	UJ	0.00941	U	U
VOLATILES	Carbon disulfide	0.00581	U	U	0.00347	J	J	0.00517	U	U	0.00473	U	UJ	0.00376	J	J
VOLATILES	Carbon tetrachloride	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Chlorobenzene	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Chloroethane	0.0116	U	U	0.0107	U	U	0.0103	U	U	0.00946	U	UJ	0.00941	U	U
VOLATILES	Chloroform	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Chloromethane	0.0116	U	U	0.0107	U	U	0.0103	U	U	0.00946	U	UJ	0.00941	U	U
VOLATILES	Dibromochloromethane	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Dichloroethane, 1,1-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Dichloroethane, 1,2-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Dichloroethene, 1,1-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Dichloropropane, 1,2-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B626		
LOCATION_CODE		TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO074		
SAMPLE_NO		AB0449			AB0451			AB0473			AB0474			AB0431		
SAMPLE_DATE		27-Sep-00			27-Sep-00			29-Sep-00			29-Sep-00			12-Oct-00		
START_DEPTH		0.5			0.5			4			4			2.5		
END_DEPTH		1.5			1.5			6			6			3.5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Hexanone, 2-	0.0116	U	U	0.0107	U	U	0.0103	U	U	0.00946	U	U	0.00941	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0116	U	U	0.0107	U	U	0.0103	U	U	0.00946	U	U	0.00941	U	U
VOLATILES	Methylene chloride	0.0211	B		0.00772	B	B	0.00517	U	U	0.00138	JB	B	0.00434	JB	B
VOLATILES	Styrene	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Tetrachloroethene	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Toluene	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.00255	J	J
VOLATILES	Trichloroethane, 1,1,1-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Trichloroethene	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	UJ	0.0047	U	U
VOLATILES	Vinyl chloride	0.0116	U	U	0.0107	U	U	0.0103	U	U	0.00946	U	UJ	0.00941	U	U
VOLATILES	Xylene, o-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
VOLATILES	Xylenes, m,p-	0.00581	U	U	0.00536	U	U	0.00517	U	U	0.00473	U	U	0.0047	U	U
SEMIVOLATILES	Acenaphthene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Acenaphthylene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Anthracene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.151	J	J
SEMIVOLATILES	Benzo(a)anthracene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.135	J	J
SEMIVOLATILES	Benzo(a)pyrene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.0536	J	J
SEMIVOLATILES	Benzo(b)fluoranthene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.116	J	J
SEMIVOLATILES	Benzo(ghi)perylene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	4.09	U	U	4.12	U	U	0.0207	J	J	0.385	U	U	0.4	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Butyl benzyl phthalate	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Carbazole	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Chloroaniline, 4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Chlorophenol, 2-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B626		
LOCATION_CODE		TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO074		
SAMPLE_NO		AB0449			AB0451			AB0473			AB0474			AB0431		
SAMPLE_DATE		27-Sep-00			27-Sep-00			29-Sep-00			29-Sep-00			12-Oct-00		
START_DEPTH		0.5			0.5			4			4			2.5		
END_DEPTH		1.5			1.5			6			6			3.5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.113	J	J
SEMIVOLATILES	Di-n-butyl phthalate	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Di-n-octyl phthalate	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dibenzofuran	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	8.19	U	U	8.25	U	U	0.812	U	U	0.769	U	U	0.8	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Diethyl phthalate	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.307	JB	B
SEMIVOLATILES	Dimethyl phthalate	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	8.19	U	U	8.25	U	U	0.812	U	U	0.769	U	U	0.8	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	8.19	U	U	8.25	U	U	0.812	U	U	0.769	U	U	0.8	U	UJ
SEMIVOLATILES	Dinitrotoluene, 2,4-	4.09	U	U	0.899	J	J	0.406	U	U	0.385	U	U	0.068	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Fluoranthene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.469		
SEMIVOLATILES	Fluorene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Hexachlorobenzene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Hexachlorobutadiene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Hexachloroethane	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Isophorone	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Methylphenol, 2-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Methylphenol, 4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Naphthalene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Nitroaniline, 2-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Nitroaniline, 3-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Nitroaniline, 4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B626		
LOCATION_CODE		TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO074		
SAMPLE_NO		AB0449			AB0451			AB0473			AB0474			AB0431		
SAMPLE_DATE		27-Sep-00			27-Sep-00			29-Sep-00			29-Sep-00			12-Oct-00		
START.DEPTH		0.5			0.5			4			4			2.5		
END.DEPTH		1.5			1.5			6			6			3.5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Nitrophenol, 2-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Nitrophenol, 4-	8.19	U	UJ	8.25	U	UJ	0.812	U	U	0.769	U	U	0.8	U	U
SEMIVOLATILES	Pentachlorophenol	8.19	U	U	8.25	U	U	0.812	U	U	0.769	U	U	0.8	U	U
SEMIVOLATILES	Phenanthrene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.227	J	J
SEMIVOLATILES	Phenol	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Pyrene	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.248	J	J
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	4.09	U	U	4.12	U	U	0.406	U	U	0.385	U	U	0.4	U	U
PCBS	Aroclor 1016	0.0412	U	U	0.0414	U	U	0.0405	U	U	0.0385	U	U	0.04	U	U
PCBS	Aroclor 1221	0.0412	U	U	0.0414	U	U	0.0405	U	U	0.0385	U	U	0.04	U	U
PCBS	Aroclor 1232	0.0412	U	U	0.0414	U	U	0.0405	U	U	0.0385	U	U	0.04	U	U
PCBS	Aroclor 1242	0.0412	U	U	0.0414	U	U	0.0405	U	U	0.0385	U	U	0.04	U	U
PCBS	Aroclor 1248	0.0412	U	U	0.0414	U	U	0.0405	U	U	0.0385	U	U	0.04	U	U
PCBS	Aroclor 1254	0.0412	U	U	0.0414	U	U	0.0405	U	U	0.0385	U	U	0.04	U	U
PCBS	Aroclor 1260	0.464			0.41			0.081	U	U	0.0769	U	U	0.15		J
METALS	Aluminum	5100		J	3880		J	11000			10800			8310	H	J
METALS	Antimony	0.618	B	J	1.03	B	J	1.45	U	UJ	1.15	B	J	1.43	U	UJ
METALS	Arsenic	5.27			3.75			18.5			13.2			8.45		
METALS	Barium	27.2			19.6			62.3			43			63.2		
METALS	Beryllium	0.344			0.294			0.683			0.633			0.543		J
METALS	Cadmium	0.357	B	J	0.163	B	J	0.724	U	U	0.686	U	U	0.316	B	J
METALS	Calcium	20100		J	5710		J	34700			50800			15400	H	J
METALS	Chromium	11.1			38			17.2			17.3			16.5		
METALS	Cobalt	4.53			3.45			10.8			12.1			7.29		
METALS	Copper	27		J	13.1		J	29.7			27.2			30.1		
METALS	Iron	15600			11500			27600			25600			19100		
METALS	Lead	447		J	117		J	14.6			13.4			134		J
METALS	Magnesium	3570		J	1600		J	10300			14000			3260		J
METALS	Manganese	245			119			295			426			454		J
METALS	Mercury	0.294			0.247			0.019	B	J	0.019	B	J	0.022	B	J
METALS	Nickel	14.1			24.9			31.9			33			23.8		
METALS	Potassium	990			507			2690			2830			1640		J

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GROUP_NAME		TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B616			TNTC-B626		
LOCATION_CODE		TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO252			TNTC-SO074		
SAMPLE_NO		AB0449			AB0451			AB0473			AB0474			AB0431		
SAMPLE_DATE		27-Sep-00			27-Sep-00			29-Sep-00			29-Sep-00			12-Oct-00		
START.DEPTH		0.5			0.5			4			4			2.5		
END.DEPTH		1.5			1.5			6			6			3.5		
SAMPLE_PURPOSE		FD			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.13	U	U	1.19	U	U	1.21	U	U	1.14	U	U	1.19	U	U
METALS	Silver	0.678	U	U	0.714	U	U	0.724	U	U	0.686	U	U	0.713	U	U
METALS	Sodium	282			252			264			253			140	B	B
METALS	Thallium	2.26	U	U	2.38	U	U	2.42	U	U	2.29	U	U	2.38	U	U
METALS	Vanadium	17			18			20.9			19.8			18.6		
METALS	Zinc	81.7			55.4			91.4			83.9			123		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629		
LOCATION_CODE		TNTC-SO065			TNTC-SO066			TNTC-SO066			TNTC-SO066			TNTC-SO066		
SAMPLE_NO		AB0475			AB0427			AB0429			AB0430			AB0461		
SAMPLE_DATE		12-Oct-00			27-Sep-00			27-Sep-00			12-Oct-00			28-Sep-00		
START.DEPTH		2.5			0			0			2.5			5		
END.DEPTH		3.5			1			1			3.5			7		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.1	U	U	0.103			0.0721	J	J	0.1	U	U	0.0952	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.1	U	U	0.0885	J	J	0.0538	J	J	0.1	U	U	0.0952	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U	0.1	U	U	0.0952	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Dinitrotoluene, total	0.1	U	U	0.313			0.451			165			297		
NITROAROMATICS	HMX	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrobenzene	0.1	U	U	0.1	U	U	0.0952	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.2	U	U	0.19	U	U	2.05			50.8		
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.2	U	U	0.19	U	U	4.82			8.61		
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	67.4		
NITROAROMATICS	RDX	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Tetryl	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.1	U	U	0.1	U	U	0.0952	U	U	0.1	U	U	3.59		
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.1	U	U	0.231			0.164			38			5.19		
VOLATILES	Acetone	0.112			0.224			0.445			0.0495		J	0.0117	U	R
VOLATILES	Benzene	0.00241	J	J	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00342	J	J
VOLATILES	Bromodichloromethane	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Bromoform	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Bromomethane	0.0112	U	U	0.0122	U	U	0.0123	U	U	0.0106	U	U	0.0117	U	U
VOLATILES	Butanone, 2-	0.0112	U	U	0.0415			0.0818			0.0106	U	U	0.0117	U	U
VOLATILES	Carbon disulfide	0.0109			0.005	J	J	0.0123			0.00365	J	J	0.00585	U	U
VOLATILES	Carbon tetrachloride	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Chlorobenzene	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Chloroethane	0.0112	U	U	0.0122	U	U	0.0123	U	U	0.0106	U	U	0.0117	U	U
VOLATILES	Chloroform	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Chloromethane	0.0112	U	U	0.0122	U	U	0.0123	U	U	0.0106	U	U	0.0117	U	U
VOLATILES	Dibromochloromethane	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloroethane, 1,1-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloroethane, 1,2-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloroethene, 1,1-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloropropane, 1,2-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U

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GROUP_NAME		TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629		
LOCATION_CODE		TNTC-SO065			TNTC-SO066			TNTC-SO066			TNTC-SO066			TNTC-SO066		
SAMPLE_NO		AB0475			AB0427			AB0429			AB0430			AB0461		
SAMPLE_DATE		12-Oct-00			27-Sep-00			27-Sep-00			12-Oct-00			28-Sep-00		
START.DEPTH		2.5			0			0			2.5			5		
END.DEPTH		3.5			1			1			3.5			7		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Hexanone, 2-	0.0112	U	U	0.0122	U	U	0.0123	U	U	0.0106	U	U	0.0117	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0112	U	U	0.0122	U	U	0.0123	U	U	0.0106	U	U	0.0117	U	U
VOLATILES	Methylene chloride	0.0061	B	B	0.00844	B	B	0.0188	B	B	0.00902	B	B	0.00358	JB	B
VOLATILES	Styrene	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Tetrachloroethene	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Toluene	0.00385	J	J	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.0781		J
VOLATILES	Trichloroethane, 1,1,1-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Trichloroethene	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
VOLATILES	Vinyl chloride	0.0112	U	U	0.0122	U	U	0.0123	U	U	0.0106	U	U	0.0117	U	U
VOLATILES	Xylene, o-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.0019	J	J
VOLATILES	Xylenes, m,p-	0.00561	U	U	0.0061	U	U	0.00615	U	U	0.00532	U	U	0.00585	U	U
SEMIVOLATILES	Acenaphthene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Acenaphthylene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Anthracene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.0454	J	J	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.043	J	J	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.0237	J	J	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Carbazole	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629		
LOCATION_CODE		TNTC-SO065			TNTC-SO066			TNTC-SO066			TNTC-SO066			TNTC-SO066		
SAMPLE_NO		AB0475			AB0427			AB0429			AB0430			AB0461		
SAMPLE_DATE		12-Oct-00			27-Sep-00			27-Sep-00			12-Oct-00			28-Sep-00		
START.DEPTH		2.5			0			0			2.5			5		
END.DEPTH		3.5			1			1			3.5			7		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dibenzofuran	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.803	U	U	0.828	U	U	0.845	U	U	7.76	U	U	15.9	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Diethyl phthalate	0.585	B	B	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dimethyl phthalate	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.803	U	U	0.828	U	U	0.845	U	U	7.76	U	U	15.9	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.803	U	UJ	0.828	U	U	0.845	U	U	7.76	U	U	15.9	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.0558	J	J	0.221	J	J	0.239	J	J	43.1			170		
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.402	U	U	0.0563	J	J	0.0668	J	J	6.92			65.5		
SEMIVOLATILES	Fluoranthene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Fluorene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Hexachlorobenzene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.402	U	U	0.414	U	UJ	0.423	U	UJ	3.88	U	U	7.96	U	U
SEMIVOLATILES	Hexachloroethane	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Isophorone	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Methylphenol, 2-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Methylphenol, 4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Naphthalene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629		
LOCATION_CODE		TNTC-SO065			TNTC-SO066			TNTC-SO066			TNTC-SO066			TNTC-SO066		
SAMPLE_NO		AB0475			AB0427			AB0429			AB0430			AB0461		
SAMPLE_DATE		12-Oct-00			27-Sep-00			27-Sep-00			12-Oct-00			28-Sep-00		
START_DEPTH		2.5			0			0			2.5			5		
END_DEPTH		3.5			1			1			3.5			7		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.803	U	U	0.828	U	U	0.845	U	U	7.76	U	U	15.9	U	U
SEMIVOLATILES	Pentachlorophenol	0.803	U	U	0.828	U	U	0.845	U	U	7.76	U	U	15.9	U	U
SEMIVOLATILES	Phenanthrene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Phenol	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Pyrene	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.402	U	U	0.414	U	U	0.423	U	U	3.88	U	U	7.96	U	U
PCBS	Aroclor 1016	0.201	U	U	0.415	U	U	0.423	U	U	0.194	U	U	0.0401	U	U
PCBS	Aroclor 1221	0.201	U	U	0.415	U	U	0.423	U	U	0.194	U	U	0.0401	U	U
PCBS	Aroclor 1232	0.201	U	U	0.415	U	U	0.423	U	U	0.194	U	U	0.0401	U	U
PCBS	Aroclor 1242	0.201	U	U	0.415	U	U	0.423	U	U	0.194	U	U	0.0401	U	U
PCBS	Aroclor 1248	0.201	U	U	0.415	U	U	0.423	U	U	0.194	U	U	0.0401	U	U
PCBS	Aroclor 1254	0.969			0.415	U	U	0.423	U	U	0.194	U	U	0.0401	U	U
PCBS	Aroclor 1260	1.58			4.68			5.07			2.09		J	0.16		J
METALS	Aluminum	11200	H	J	5770		J	6560		J	2330	H	J	7850		J
METALS	Antimony	1.09	B	B	0.842	B	J	8.15		J	1.37	U	UJ	1.43	U	U
METALS	Arsenic	6.79			6.81			7.55			7.43			6.06		
METALS	Barium	96.6			137			365			427			35.4		
METALS	Beryllium	0.721		J	0.5			0.602			0.219	B	J	0.595		
METALS	Cadmium	0.194	B	J	0.146	B	J	1.79	U	U	0.685	U	U	0.714	U	U
METALS	Calcium	28700	H	J	19700		J	18500		J	28200	H	J	157000		
METALS	Chromium	14.3			8.59			11			3.71			13.7		
METALS	Cobalt	7.71			5.36			9.63			0.297	B	J	12		
METALS	Copper	12.9			13		J	17.1		J	3.56			19.2		
METALS	Iron	30500			28800			35500			4010			32600		
METALS	Lead	41.1		J	137		J	132		J	761		J	9.86		
METALS	Magnesium	3320		J	6330		J	5780		J	422		J	3670		
METALS	Manganese	2120		J	2440			5160			105		J	1130		
METALS	Mercury	0.068		J	0.037	B	J	0.048			0.059		J	0.039	U	U
METALS	Nickel	21.8			13.4			15.8			4.17			46.6		
METALS	Potassium	951		J	803			800			1180		J	2730		

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GROUP_NAME		TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629			TNTC-B629		
LOCATION_CODE		TNTC-SO065			TNTC-SO066			TNTC-SO066			TNTC-SO066			TNTC-SO066		
SAMPLE_NO		AB0475			AB0427			AB0429			AB0430			AB0461		
SAMPLE_DATE		12-Oct-00			27-Sep-00			27-Sep-00			12-Oct-00			28-Sep-00		
START_DEPTH		2.5			0			0			2.5			5		
END_DEPTH		3.5			1			1			3.5			7		
SAMPLE_PURPOSE		REG			FD			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.16	U	U	1.15	U	U	2.99	U	U	1.14	U	U	1.19	U	U
METALS	Silver	0.695	U	U	0.459	B	J	1.79	U	U	0.685	U	U	0.714	U	U
METALS	Sodium	140	B	B	215	B	J	223	B	J	78.2	B	B	292		B
METALS	Thallium	2.32	U	U	2.31	U	U	5.98	U	U	2.28	U	U	2.38	U	U
METALS	Vanadium	24.6			13.8			16			6.68			12		
METALS	Zinc	96.1			77			93.1			5.8			44.5		

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B629			TNTC-B657			TNTC-B681			TNTC-B682			TNTC-B682		
LOCATION_CODE		TNTC-SO066			TNTC-SO222			TNTC-SO397			TNTC-SO165			TNTC-SO280		
SAMPLE_NO		AB0462			AB0468			AB0471			AB0442			AB0452		
SAMPLE_DATE		28-Sep-00			28-Sep-00			28-Sep-00			27-Sep-00			27-Sep-00		
START_DEPTH		8			3			4			1.5			0.25		
END_DEPTH		10			5			6			2.5			1.25		
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.0909	U	U	0.151			0.946			7.28			0.0833	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.0909	U	U	0.087	U	U	0.359			11.9			0.0833	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.0909	U	U	0.087	U	U	0.1	U	U	0.1	U	U	0.336		
NITROAROMATICS	Dinitrotoluene, total	36.3			0.483			2.03			5.63			11.3		
NITROAROMATICS	HMX	0.182	U	U	0.174	U	U	0.2	U	U	0.2	U	U	0.167	U	U
NITROAROMATICS	Nitrobenzene	0.0909	U	U	0.087	U	U	0.1	U	U	0.0966	J	J	0.126		
NITROAROMATICS	Nitrotoluene, 2-	6.32			1.94			0.921			0.2	U	U	0.167	U	U
NITROAROMATICS	Nitrotoluene, 3-	1.09			0.263			0.31			1.28			0.167	U	U
NITROAROMATICS	Nitrotoluene, 4-	6.59			1.99			1.18			0.2	U	U	0.167	U	U
NITROAROMATICS	RDX	0.182	U	U	0.174	U	U	0.2	U	U	0.2	U	U	0.167	U	U
NITROAROMATICS	Tetryl	0.182	U	U	0.174	U	U	0.2	U	U	0.626			0.167	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.0909	U	U	0.087	U	U	0.1	U	U	7.93			5.48		
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.167			0.166			0.448			1343			27553		
VOLATILES	Acetone	0.00971	U	R	0.0644		J	0.151		J	0.0114	J	J	0.176		
VOLATILES	Benzene	0.00492		J	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Bromodichloromethane	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Bromoform	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Bromomethane	0.00971	U	UJ	0.0121	U	U	0.0115	U	U	0.0119	U	U	0.0115	U	U
VOLATILES	Butanone, 2-	0.00971	U	UJ	0.0121	U	U	0.0165		J	0.0119	U	U	0.0115	U	U
VOLATILES	Carbon disulfide	0.00486	U	UJ	0.0075			0.00605		J	0.0022	J	J	0.00319	J	J
VOLATILES	Carbon tetrachloride	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Chlorobenzene	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Chloroethane	0.00971	U	UJ	0.0121	U	U	0.0115	U	U	0.0119	U	U	0.0115	U	U
VOLATILES	Chloroform	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Chloromethane	0.00971	U	UJ	0.0121	U	U	0.0115	U	U	0.0119	U	U	0.0115	U	U
VOLATILES	Dibromochloromethane	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloroethane, 1,1-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloroethane, 1,2-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloroethene, 1,1-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloropropane, 1,2-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B629			TNTC-B657			TNTC-B681			TNTC-B682			TNTC-B682		
LOCATION_CODI		TNTC-SO066			TNTC-SO222			TNTC-SO397			TNTC-SO165			TNTC-SO280		
SAMPLE_NO		AB0462			AB0468			AB0471			AB0442			AB0452		
SAMPLE_DATE		28-Sep-00			28-Sep-00			28-Sep-00			27-Sep-00			27-Sep-00		
START.DEPTH		8			3			4			1.5			0.25		
END.DEPTH		10			5			6			2.5			1.25		
SAMPLE_PURPCSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00248	J	J	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Hexanone, 2-	0.00971	U	UJ	0.0121	U	U	0.0115	U	U	0.0119	U	U	0.0115	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.00971	U	UJ	0.0121	U	U	0.0115	U	U	0.0119	U	U	0.0115	U	U
VOLATILES	Methylene chloride	0.00456	JB	B	0.00308	JB	B	0.0052	JB	B	0.0155	B	B	0.00457	JB	B
VOLATILES	Styrene	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Tetrachloroethene	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Toluene	0.0186		J	0.00194	J	J	0.00208	J	J	0.00595	U	U	0.00574	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Trichloroethene	0.00486	U	UJ	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Vinyl chloride	0.00971	U	UJ	0.0121	U	U	0.0115	U	U	0.0119	U	U	0.0115	U	U
VOLATILES	Xylene, o-	0.00323	J	J	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
VOLATILES	Xylenes, m,p-	0.00605		J	0.00607	U	U	0.00574	U	U	0.00595	U	U	0.00574	U	U
SEMIVOLATILES	Acenaphthene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Acenaphthylene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Anthracene	1.81	U	U	0.113	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Benzo(a)anthracene	1.81	U	U	0.289	J	J	0.0384	J	J	3.6	U	U	3.84	U	U
SEMIVOLATILES	Benzo(a)pyrene	1.81	U	U	0.356	J	J	0.0361	J	J	3.6	U	U	3.84	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	1.81	U	U	0.492			0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Benzo(ghi)perylene	1.81	U	U	0.352	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	1.81	U	U	0.155	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	1.81	U	U	0.202	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Butyl benzyl phthalate	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Carbazole	1.81	U	U	0.109	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Chloroaniline, 4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Chlorophenol, 2-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B629			TNTC-B657			TNTC-B681			TNTC-B682			TNTC-B682		
LOCATION_CODE		TNTC-SO066			TNTC-SO222			TNTC-SO397			TNTC-SO165			TNTC-SO280		
SAMPLE_NO		AB0462			AB0468			AB0471			AB0442			AB0452		
SAMPLE_DATE		28-Sep-00			28-Sep-00			28-Sep-00			27-Sep-00			27-Sep-00		
START_DEPTH		8			3			4			1.5			0.25		
END_DEPTH		10			5			6			2.5			1.25		
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	1.81	U	U	0.357	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Di-n-butyl phthalate	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Di-n-octyl phthalate	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	1.81	U	U	0.123	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dibenzofuran	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	3.62	U	U	0.747	U	U	0.76	U	U	7.21	U	U	7.68	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Diethyl phthalate	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dimethyl phthalate	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	3.62	U	U	0.747	U	U	0.76	U	U	7.21	U	U	7.68	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	3.62	U	U	0.747	U	U	0.76	U	U	7.21	U	U	7.68	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	13.2			0.374	U	U	0.74			10.6			5.79		
SEMIVOLATILES	Dinitrotoluene, 2,6-	6.83			0.374	U	U	0.117	J	J	2.88	J	J	4.41		
SEMIVOLATILES	Fluoranthene	1.81	U	U	0.666			0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Fluorene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Hexachlorobenzene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Hexachlorobutadiene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Hexachloroethane	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	1.81	U	U	0.27	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Isophorone	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	1.81	U	U	0.0381	J	J	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Methylphenol, 2-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Methylphenol, 4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Naphthalene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Nitroaniline, 2-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Nitroaniline, 3-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Nitroaniline, 4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B629			TNTC-B657			TNTC-B681			TNTC-B682			TNTC-B682		
LOCATION_CODE		TNTC-SO066			TNTC-SO222			TNTC-SO397			TNTC-SO165			TNTC-SO280		
SAMPLE_NO		AB0462			AB0468			AB0471			AB0442			AB0452		
SAMPLE_DATE		28-Sep-00			28-Sep-00			28-Sep-00			27-Sep-00			27-Sep-00		
START_DEPTH		8			3			4			1.5			0.25		
END_DEPTH		10			5			6			2.5			1.25		
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Nitrophenol, 2-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Nitrophenol, 4-	3.62	U	U	0.747	U	U	0.76	U	U	7.21	U	UJ	7.68	U	UJ
SEMIVOLATILES	Pentachlorophenol	3.62	U	U	0.747	U	U	0.76	U	U	7.21	U	U	7.68	U	U
SEMIVOLATILES	Phenanthrene	1.81	U	U	0.568			0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Phenol	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Pyrene	1.81	U	U	0.605			0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	1.81	U	U	0.374	U	U	0.38	U	U	3.6	U	U	3.84	U	U
PCBS	Aroclor 1016	0.0362	U	U	0.0376	U	U	0.038	U	U	0.0361	U	U	0.077	U	U
PCBS	Aroclor 1221	0.0362	U	U	0.0376	U	U	0.038	U	U	0.0361	U	U	0.077	U	U
PCBS	Aroclor 1232	0.0362	U	U	0.0376	U	U	0.038	U	U	0.0361	U	U	0.077	U	U
PCBS	Aroclor 1242	0.0362	U	U	0.0376	U	U	0.038	U	U	0.0361	U	U	0.077	U	U
PCBS	Aroclor 1248	0.0362	U	U	0.0376	U	U	0.038	U	U	0.0361	U	U	0.077	U	U
PCBS	Aroclor 1254	0.0362	U	U	0.0376	U	U	0.038	U	U	0.0361	U	U	0.077	U	U
PCBS	Aroclor 1260	0.103		J	0.0613	J	J	0.0592	J	J	0.509			1.1		
METALS	Aluminum	5180		J	6810		J	4630		J	2610		J	2550		J
METALS	Antimony	1.31	U	U	1.33	U	U	1.3	U	U	1.22	U	UJ	1.29	U	UJ
METALS	Arsenic	2.47			9.27			6.08			2.26			4.32		
METALS	Barium	22.9			57.5			92.4			28.2			17.4		
METALS	Beryllium	0.5			0.487			0.376			0.156	B	J	0.191	B	J
METALS	Cadmium	0.652	U	U	0.385	B	J	0.652	U	U	0.608	U	U	0.138	B	J
METALS	Calcium	225000			67600			26300			9330		J	21400		J
METALS	Chromium	9.53			11			8.03			4.36			4.5		
METALS	Cobalt	6.24			3.89			4.4			1.39			2.23		
METALS	Copper	11			15.2			13			4.54		B	8.64		J
METALS	Iron	11300			15400			23100			6600			7620		
METALS	Lead	4.86		B	68.9			129			25.6		J	65.1		J
METALS	Magnesium	3390			6710			7380			1040		J	3550		J
METALS	Manganese	1620			396			1700			74			103		
METALS	Mercury	0.036	U	U	0.113			0.026	B	J	0.027	B	J	0.055		
METALS	Nickel	18.5			12			12.6			4.48			5.56		
METALS	Potassium	2410			968			476			308			333		

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GROUP_NAME		TNTC-B629			TNTC-B657			TNTC-B681			TNTC-B682			TNTC-B682		
LOCATION_CODE		TNTC-SO066			TNTC-SO222			TNTC-SO397			TNTC-SO165			TNTC-SO280		
SAMPLE_NO		AB0462			AB0468			AB0471			AB0442			AB0452		
SAMPLE_DATE		28-Sep-00			28-Sep-00			28-Sep-00			27-Sep-00			27-Sep-00		
START.DEPTH		8			3			4			1.5			0.25		
END.DEPTH		10			5			6			2.5			1.25		
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.09	U	U	1.11	U	U	1.09	U	U	1.01	U	U	1.08	U	U
METALS	Silver	0.652	U	U	0.664	U	U	0.652	U	U	0.608	U	U	0.647	U	U
METALS	Sodium	387			214	B	B	133	B	B	195	B	J	230		
METALS	Thallium	2.18	U	U	2.21	U	U	2.17	U	U	2.03	U	U	2.16	U	U
METALS	Vanadium	8.92			16.5			14.6			7.9			7.81		
METALS	Zinc	10.9			158			51			25.6			57.7		

Soil Data Summary Report
TNT Area C Remedial Investigation
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GROUP_NAME		TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B683			TNTC-B686		
LOCATION_CODE		TNTC-SO280			TNTC-SO311			TNTC-SO171			TNTC-SO171			TNTC-SO150		
SAMPLE_NO		AB0454			AB0455			AB0466			AB0467			AB0437		
SAMPLE_DATE		27-Sep-00			27-Sep-00			28-Sep-00			28-Sep-00			10-Oct-00		
START_DEPTH		0.25			0.5			4			8			0.33		
END_DEPTH		1.25			1.5			6			10			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.1	U	U	0.588			0.1	U	U	3.76			14.6		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.1	U	U	0.948			0.1	U	U	0.647			38		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.566			0.08	U	U	0.1	U	U	0.1	U	U	0.12		
NITROAROMATICS	Dinitrotoluene, total	22.1			0.781			236			47.8			0.1	U	U
NITROAROMATICS	HMX	0.2	U	U	0.16	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.227			0.08	U	U	0.0963	J	J	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.16	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.16	U	U	0.2	U	U	0.484			1.71		
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.16	U	U	0.2	U	U	0.29			0.2	U	U
NITROAROMATICS	RDX	0.2	U	U	0.16	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.2	U	U	0.16	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	10.1			0.08	U	U	0.146			0.119			0.902		
NITROAROMATICS	Trinitrotoluene, 2,4,6-	54969			1.35			448			173			51.1		
VOLATILES	Acetone	0.118			0.0375			0.0105	U	R	0.0115	U	R	0.187		J
VOLATILES	Benzene	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Bromodichloromethane	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Bromoform	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Bromomethane	0.0115	U	U	0.0108	U	U	0.0105	U	U	0.0115	U	U	0.0113	U	UJ
VOLATILES	Butanone, 2-	0.0115	U	U	0.0108	U	U	0.0105	U	U	0.0115	U	U	0.0113	U	UJ
VOLATILES	Carbon disulfide	0.00573	U	U	0.00343	J	J	0.00337	J	J	0.00575	U	U	0.00567	U	UJ
VOLATILES	Carbon tetrachloride	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Chlorobenzene	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Chloroethane	0.0115	U	U	0.0108	U	U	0.0105	U	U	0.0115	U	U	0.0113	U	UJ
VOLATILES	Chloroform	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Chloromethane	0.0115	U	U	0.0108	U	U	0.0105	U	U	0.0115	U	U	0.0113	U	UJ
VOLATILES	Dibromochloromethane	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloroethane, 1,1-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloroethane, 1,2-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloroethene, 1,1-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloroethene, cis-1,2-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloroethene, trans-1,2-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloropropane, 1,2-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloropropene, cis-1,3-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Dichloropropene, trans-1,3-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B683			TNTC-B686		
LOCATION_CODE		TNTC-SO280			TNTC-SO311			TNTC-SO171			TNTC-SO171			TNTC-SO150		
SAMPLE_NO		AB0454			AB0455			AB0466			AB0467			AB0437		
SAMPLE_DATE		27-Sep-00			27-Sep-00			28-Sep-00			28-Sep-00			10-Oct-00		
START.DEPTH		0.25			0.5			4			8			0.33		
END.DEPTH		1.25			1.5			6			10			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00156	J	J
VOLATILES	Hexanone, 2-	0.0115	U	U	0.0108	U	U	0.0105	U	U	0.0115	U	U	0.0113	U	UJ
VOLATILES	Methyl-2-pentanone, 4-	0.0115	U	U	0.0108	U	U	0.0105	U	U	0.0115	U	U	0.0113	U	UJ
VOLATILES	Methylene chloride	0.00831	B	B	0.00864		B	0.00625	B	B	0.00668	B	B	0.0266	B	B
VOLATILES	Styrene	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Tetrachloroethene	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Toluene	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.0142		J
VOLATILES	Trichloroethane, 1,1,1-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Trichloroethane, 1,1,2-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Trichloroethene	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
VOLATILES	Vinyl chloride	0.0115	U	U	0.0108	U	U	0.0105	U	U	0.0115	U	U	0.0113	U	UJ
VOLATILES	Xylene, o-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00246	J	J
VOLATILES	Xylenes, m,p-	0.00573	U	U	0.00542	U	U	0.00524	U	U	0.00575	U	U	0.00567	U	UJ
SEMIVOLATILES	Acenaphthene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Acenaphthylene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.545	J	J
SEMIVOLATILES	Anthracene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.351	J	J
SEMIVOLATILES	Benzo(a)anthracene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	3.32		
SEMIVOLATILES	Benzo(a)pyrene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	3.63		
SEMIVOLATILES	Benzo(b)fluoranthene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	4.82		
SEMIVOLATILES	Benzo(ghi)perylene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	1.78		
SEMIVOLATILES	Benzo(k)fluoranthene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	1.65		
SEMIVOLATILES	Bis(2-chloroethoxy)methane	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Butyl benzyl phthalate	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Carbazole	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Chloroaniline, 4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Chlorophenol, 2-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B683			TNTC-B686		
LOCATION_CODE		TNTC-SO280			TNTC-SO311			TNTC-SO171			TNTC-SO171			TNTC-SO150		
SAMPLE_NO		AB0454			AB0455			AB0466			AB0467			AB0437		
SAMPLE_DATE		27-Sep-00			27-Sep-00			28-Sep-00			28-Sep-00			10-Oct-00		
START_DEPTH		0.25			0.5			4			8			0.33		
END_DEPTH		1.25			1.5			6			10			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	3.02		
SEMIVOLATILES	Di-n-butyl phthalate	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Di-n-octyl phthalate	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.601	J	J
SEMIVOLATILES	Dibenzofuran	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	7.88	U	U	0.736	U	U	15.3	U	U	3.93	U	U	1.69	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Diethyl phthalate	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dimethyl phthalate	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	7.88	U	U	0.736	U	U	15.3	U	U	3.93	U	U	1.69	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	7.88	U	U	0.736	U	U	15.3	U	U	3.93	U	U	1.69	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	13.9			1.72			275			24.1			0.844	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	8.43			0.428			23.8	J	J	1.68	J	J	0.844	U	U
SEMIVOLATILES	Fluoranthene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	4.75		
SEMIVOLATILES	Fluorene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Hexachlorobenzene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	3.94	U	U	0.368	U	UJ	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Hexachloroethane	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	1.89		
SEMIVOLATILES	Isophorone	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Methylphenol, 2-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Methylphenol, 4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Naphthalene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Nitroaniline, 2-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Nitroaniline, 3-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Nitroaniline, 4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B683			TNTC-B686		
LOCATION_CODE		TNTC-SO280			TNTC-SO311			TNTC-SO171			TNTC-SO171			TNTC-SO150		
SAMPLE_NO		AB0454			AB0455			AB0466			AB0467			AB0437		
SAMPLE_DATE		27-Sep-00			27-Sep-00			28-Sep-00			28-Sep-00			10-Oct-00		
START.DEPTH		0.25			0.5			4			8			0.33		
END.DEPTH		1.25			1.5			6			10			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Nitrophenol, 2-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Nitrophenol, 4-	7.88	U	UJ	0.736	U	U	15.3	U	U	3.93	U	U	1.69	U	U
SEMIVOLATILES	Pentachlorophenol	7.88	U	U	0.736	U	U	15.3	U	U	3.93	U	U	1.69	U	U
SEMIVOLATILES	Phenanthrene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.667	J	J
SEMIVOLATILES	Phenol	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Pyrene	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	4.61		
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	3.94	U	U	0.368	U	U	7.66	U	U	1.97	U	U	0.844	U	U
PCBS	Aroclor 1016	0.0793	U	U	0.037	U	U	0.0383	U	U	0.0395	U	U	0.212	U	U
PCBS	Aroclor 1221	0.0793	U	U	0.037	U	U	0.0383	U	U	0.0395	U	U	0.212	U	U
PCBS	Aroclor 1232	0.0793	U	U	0.037	U	U	0.0383	U	U	0.0395	U	U	0.212	U	U
PCBS	Aroclor 1242	0.0793	U	U	0.037	U	U	0.0383	U	U	0.0395	U	U	0.212	U	U
PCBS	Aroclor 1248	0.0793	U	U	0.037	U	U	0.0383	U	U	0.0395	U	U	0.212	U	U
PCBS	Aroclor 1254	0.0793	U	U	0.037	U	U	0.0383	U	U	0.0395	U	U	0.212	U	U
PCBS	Aroclor 1260	0.883			0.162			0.0768		J	0.106		J	1.37		J
METALS	Aluminum	1870		J	4060		J	3150		J	3930		J	3630		J
METALS	Antimony	1.33	U	UJ	0.82	B	J	1.37	U	U	0.904	B	J	0.68	B	J
METALS	Arsenic	3.83			5.59			1.77			1.79			3.94		B
METALS	Barium	30.3			27.9			31.9			33.3			24.1		
METALS	Beryllium	0.159	B	J	0.311			0.203	B	J	0.246			0.297		
METALS	Cadmium	0.666	U	U	0.285	B	J	0.683	U	U	0.69	U	U	0.272	B	J
METALS	Calcium	959		J	5300		J	1430			1420			35600		
METALS	Chromium	3.04			12.5			5.24			6.25			6.76		
METALS	Cobalt	1.14			2.41			1.37			1.75			2.25		
METALS	Copper	6.38		J	23.3		J	1.36			2.96			43.7		
METALS	Iron	5520			9560			4310			5200			10900		
METALS	Lead	97		J	721		J	8.8			43.8			195		
METALS	Magnesium	388		J	1270		J	658			761			5890		
METALS	Manganese	46.7			63.7			33.7			38.1			334		
METALS	Mercury	0.034			0.022	B	J	0.038	U	U	0.038	U	U	0.269		
METALS	Nickel	3.3			12.3			3.72			4.8			8.17		
METALS	Potassium	390			678			242			369			441		

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GROUP_NAME		TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B683			TNTC-B686		
LOCATION_CODE		TNTC-SO280			TNTC-SO311			TNTC-SO171			TNTC-SO171			TNTC-SO150		
SAMPLE_NO		AB0454			AB0455			AB0466			AB0467			AB0437		
SAMPLE_DATE		27-Sep-00			27-Sep-00			28-Sep-00			28-Sep-00			10-Oct-00		
START_DEPTH		0.25			0.5			4			8			0.33		
END_DEPTH		1.25			1.5			6			10			1		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.11	U	U	1.07	U	U	1.14	U	U	1.15	U	U	1.2	U	U
METALS	Silver	0.666	U	U	0.641	U	U	0.683	U	U	0.421	B	J	0.719	U	U
METALS	Sodium	163	B	J	251			249		B	118	B	B	223	B	J
METALS	Thallium	2.22	U	U	2.14	U	U	2.28	U	U	2.3	U	U	2.4	U	U
METALS	Vanadium	6.56			11.3			8.01			9.2			10.9		
METALS	Zinc	25.2			112			23.9			25			121		

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B686			TNTC-B686			TNTC-B686			TNTC-B689			TNTC-B689		
LOCATION_CODE		TNTC-SO151			TNTC-SO151			TNTC-SO325			TNTC-SO001			TNTC-SO001		
SAMPLE_NO		AB0438			AB0439			AB0478			AB0426			AB0460		
SAMPLE_DATE		10-Oct-00			10-Oct-00			12-Oct-00			12-Oct-00			28-Sep-00		
START_DEPTH		0			1.3			1			0			4		
END_DEPTH		1			2.3			2			1			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	10.8			0.1	U	U	2.45			6.93			0.436		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	9.41			4.8			11.4			3.76			0.1	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.142			0.127			0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	1.59			0.1	U	U	0.1	U	U	8.33			3.65		
NITROAROMATICS	HMX	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.0952	U	U	0.1	U	U	0.1	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	3.27		
NITROAROMATICS	Nitrotoluene, 3-	0.19	U	U	0.271			0.2	U	U	0.2	U	U	0.45		
NITROAROMATICS	Nitrotoluene, 4-	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	2.86		
NITROAROMATICS	RDX	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.19	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	2.43			2.69			0.283			0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	5067			2588			33.7			4.76			1.96		
VOLATILES	Acetone	0.0969		J	0.0101	U	R	0.0602			0.456		J	0.0307		J
VOLATILES	Benzene	0.00194	J	J	0.00504	U	UJ	0.00184	J	J	0.00495	U	UJ	0.00474	U	U
VOLATILES	Bromodichloromethane	0.00554	U	UJ	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Bromoform	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Bromomethane	0.0111	U	U	0.0101	U	UJ	0.0115	U	U	0.00991	U	UJ	0.00948	U	U
VOLATILES	Butanone, 2-	0.0111	U	UJ	0.0101	U	R	0.0115	U	U	0.00991	U	UJ	0.00948	U	U
VOLATILES	Carbon disulfide	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00398	J	J
VOLATILES	Carbon tetrachloride	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Chlorobenzene	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Chloroethane	0.0111	U	U	0.0101	U	UJ	0.0115	U	U	0.00991	U	UJ	0.00948	U	U
VOLATILES	Chloroform	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Chloromethane	0.0111	U	U	0.0101	U	UJ	0.0115	U	U	0.00991	U	UJ	0.00948	U	U
VOLATILES	Dibromochloromethane	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloroethane, 1,1-	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloroethane, 1,2-	0.00554	U	UJ	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloroethene, 1,1-	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloropropane, 1,2-	0.00554	U	UJ	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00554	U	UJ	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00554	U	UJ	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U

Soil Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B686			TNTC-B686			TNTC-B686			TNTC-B689			TNTC-B689		
LOCATION_CODE		TNTC-SO151			TNTC-SO151			TNTC-SO325			TNTC-SO001			TNTC-SO001		
SAMPLE_NO		AB0438			AB0439			AB0478			AB0426			AB0460		
SAMPLE_DATE		10-Oct-00			10-Oct-00			12-Oct-00			12-Oct-00			28-Sep-00		
START.DEPTH		0			1.3			1			0			4		
END.DEPTH		1			2.3			2			1			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00207	J	J	0.00474	U	U
VOLATILES	Hexanone, 2-	0.0111	U	U	0.0101	U	UJ	0.0115	U	U	0.00991	U	UJ	0.00948	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0111	U	U	0.0101	U	UJ	0.0115	U	U	0.00991	U	UJ	0.00948	U	U
VOLATILES	Methylene chloride	0.00597	B	B	0.00504	U	UJ	0.0122	B	B	0.0355	B	J	0.00198	JB	B
VOLATILES	Styrene	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00197	J	J	0.00474	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Tetrachloroethene	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Toluene	0.00324	J	J	0.00726		J	0.0032	J	J	0.0264		J	0.00474	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00554	U	U	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00554	U	UJ	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Trichloroethene	0.00554	U	UJ	0.00504	U	UJ	0.00576	U	U	0.00495	U	UJ	0.00474	U	U
VOLATILES	Vinyl chloride	0.0111	U	U	0.0101	U	UJ	0.0115	U	U	0.00991	U	UJ	0.00948	U	U
VOLATILES	Xylene, o-	0.00554	U	U	0.00166	J	J	0.00576	U	U	0.00307	J	J	0.00474	U	U
VOLATILES	Xylenes, m,p-	0.00554	U	U	0.00399	J	J	0.00576	U	J	0.0075		J	0.00474	U	U
SEMIVOLATILES	Acenaphthene	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Acenaphthylene	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Anthracene	1.34	J	J	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Benzo(a)anthracene	6.94			3.91	U	U	0.403	U	U	0.0753	J	J	0.0465	J	J
SEMIVOLATILES	Benzo(a)pyrene	6.33			3.91	U	U	0.403	U	U	0.0787	J	J	0.0413	J	J
SEMIVOLATILES	Benzo(b)fluoranthene	9.05			3.91	U	U	0.403	U	U	0.176	J	J	0.372	U	U
SEMIVOLATILES	Benzo(ghi)perylene	2.78	J	J	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.02	J	J	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	4.37	U	U	3.91	U	U	0.403	U	U	0.0493	J	J	0.372	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Butyl benzyl phthalate	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Carbazole	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Chloroaniline, 4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Chlorophenol, 2-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U

Soil Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B686			TNTC-B686			TNTC-B686			TNTC-B689			TNTC-B689		
LOCATION_CODI		TNTC-SO151			TNTC-SO151			TNTC-SO325			TNTC-SO001			TNTC-SO001		
SAMPLE_NO		AB0438			AB0439			AB0478			AB0426			AB0460		
SAMPLE_DATE		10-Oct-00			10-Oct-00			12-Oct-00			12-Oct-00			28-Sep-00		
START.DEPTH		0			1.3			1			0			4		
END.DEPTH		1			2.3			2			1			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	6.28			3.91	U	U	0.403	U	U	0.114	J	J	0.0535	J	J
SEMIVOLATILES	Di-n-butyl phthalate	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Di-n-octyl phthalate	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	1.03	J	J	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dibenzofuran	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	8.74	U	U	7.82	U	U	0.806	U	U	0.764	U	U	0.743	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Diethyl phthalate	4.37	U	U	3.91	U	U	0.672	B	B	0.425	B	B	0.372	U	U
SEMIVOLATILES	Dimethyl phthalate	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	8.74	U	U	7.82	U	U	0.806	U	U	0.764	U	U	0.743	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	8.74	U	U	7.82	U	U	0.806	U	UJ	0.764	U	U	0.743	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	1.65	J	J	3.91	U	U	0.06	J	J	1.01			0.689		
SEMIVOLATILES	Dinitrotoluene, 2,6-	4.37	U	U	3.91	U	U	0.403	U	U	0.458			0.0977	J	J
SEMIVOLATILES	Fluoranthene	12.9			3.91	U	U	0.403	U	U	0.189	J	J	0.372	U	U
SEMIVOLATILES	Fluorene	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Hexachlorobenzene	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Hexachlorobutadiene	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	4.37	U	U	3.91	U	UJ	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Hexachloroethane	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	2.91	J	J	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Isophorone	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Methylphenol, 2-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Methylphenol, 4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Naphthalene	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Nitroaniline, 2-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Nitroaniline, 3-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Nitroaniline, 4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U

Soil Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B686			TNTC-B686			TNTC-B686			TNTC-B689			TNTC-B689		
LOCATION_CODE		TNTC-SO151			TNTC-SO151			TNTC-SO325			TNTC-SO001			TNTC-SO001		
SAMPLE_NO		AB0438			AB0439			AB0478			AB0426			AB0460		
SAMPLE_DATE		10-Oct-00			10-Oct-00			12-Oct-00			12-Oct-00			28-Sep-00		
START.DEPTH		0			1.3			1			0			4		
END.DEPTH		1			2.3			2			1			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Nitrophenol, 2-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Nitrophenol, 4-	8.74	U	U	7.82	U	U	0.806	U	U	0.764	U	U	0.743	U	U
SEMIVOLATILES	Pentachlorophenol	8.74	U	U	7.82	U	U	0.806	U	U	0.764	U	U	0.743	U	U
SEMIVOLATILES	Phenanthrene	4.13	J	J	3.91	U	U	0.403	U	U	0.0543	J	J	0.372	U	U
SEMIVOLATILES	Phenol	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Pyrene	10.1			3.91	U	U	0.403	U	U	0.131	J	J	0.372	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	4.37	U	U	3.91	U	U	0.403	U	U	0.382	U	U	0.372	U	U
PCBS	Aroclor 1016	0.219	U	U	0.195	U	U	0.0403	U	U	0.0765	U	U	0.0373	U	U
PCBS	Aroclor 1221	0.219	U	U	0.195	U	U	0.0403	U	U	0.0765	U	U	0.0373	U	U
PCBS	Aroclor 1232	0.219	U	U	0.195	U	U	0.0403	U	U	0.0765	U	U	0.0373	U	U
PCBS	Aroclor 1242	0.219	U	U	0.195	U	U	0.0403	U	U	0.0765	U	U	0.0373	U	U
PCBS	Aroclor 1248	0.219	U	U	0.195	U	U	0.0403	U	U	0.0765	U	U	0.0373	U	U
PCBS	Aroclor 1254	0.219	U	U	0.195	U	U	0.0403	U	U	0.0765	U	U	0.0373	U	U
PCBS	Aroclor 1260	2.11		J	1.02		J	0.0542	J	J	1.42			0.183		
METALS	Aluminum	3090		J	3690		J	3750	H	J	4560	H	J	1420		J
METALS	Antimony	1.55	U	U	0.783	B	J	1.4	U	U	1.34	U	UJ	0.757	B	J
METALS	Arsenic	4.02		B	2.95		B	2.14			10.5			3.64		
METALS	Barium	26.4			22.5			14.1			141			56.5		
METALS	Beryllium	0.247	B	J	0.275			0.277		J	0.442		J	0.178	B	J
METALS	Cadmium	0.545	B	J	0.606	B	J	0.697	U	U	1.15			0.281	B	J
METALS	Calcium	55100			13400			7300	H	J	38300	H	J	252000		
METALS	Chromium	8.17			7.85			6.27			8.13			3.86		
METALS	Cobalt	2.25			2.56			2.2			4.79			1.94		
METALS	Copper	28.6			30.3			3.73			21.3			8.19		
METALS	Iron	11400			9550			6800			18100			9790		
METALS	Lead	621			212			14.2		J	355		J	76.4		
METALS	Magnesium	6770			2710			1870		J	11300		J	18700		
METALS	Manganese	286			199			111		J	512		J	713		
METALS	Mercury	0.39			0.1	U	B	0.021	B	J	0.173		J	0.059		
METALS	Nickel	8.74			8.26			6.44			21.1			7.55		
METALS	Potassium	452			469			354		J	858		J	510		

Soil Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B686			TNTC-B686			TNTC-B686			TNTC-B689			TNTC-B689		
LOCATION_CODE		TNTC-SO151			TNTC-SO151			TNTC-SO325			TNTC-SO001			TNTC-SO001		
SAMPLE_NO		AB0438			AB0439			AB0478			AB0426			AB0460		
SAMPLE_DATE		10-Oct-00			10-Oct-00			12-Oct-00			12-Oct-00			28-Sep-00		
START.DEPTH		0			1.3			1			0			4		
END.DEPTH		1			2.3			2			1			6		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.29	U	U	1.17	U	U	1.16	U	U	1.11	U	U	1.1	U	U
METALS	Silver	0.774	U	U	0.703	U	U	0.697	U	U	0.668	U	U	0.658	U	U
METALS	Sodium	173	B	J	207	B	J	151	B	B	182	B	B	235		B
METALS	Thallium	2.58	U	U	2.35	U	U	2.33	U	U	2.23	U	U	2.19	U	U
METALS	Vanadium	10.5			11.7			12.4			12.7			5.87		
METALS	Zinc	240			193			19.2			199			56.9		

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B692			TNTC-B692			TNTC-B692			TNTC-B693			TNTC-B693		
LOCATION_CODI		TNTC-SO241			TNTC-SO241			TNTC-SO320			TNTC-SO173			TNTC-SO407		
SAMPLE_NO		AB0448			AB0469			AB0477			AB0443			AB0472		
SAMPLE_DATE		11-Oct-00			27-Sep-00			12-Oct-00			11-Oct-00			28-Sep-00		
START.DEPTH		1			4			1.5			1			8		
END.DEPTH		2			6			2.5			2			10		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	11.5			0.589			2.6			2.26			0.333		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	17.3			0.911			6.23			1.28			0.433		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U	0.1	U	U	0.0909	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	2.75			0.257			0.0909	U	U	0.288			0.824		
NITROAROMATICS	HMX	0.2	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.1	U	U	0.1	U	U	0.0909	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.295		
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.39		
NITROAROMATICS	RDX	0.2	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.2	U	U	0.2	U	U	0.182	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	2.6			0.0616	J	J	3.24			0.153			0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	900			0.213			38.7			8.07			0.257		
VOLATILES	Acetone	0.0503		J	0.0519			0.00969	U	R	0.0444		J	0.0122	U	R
VOLATILES	Benzene	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Bromodichloromethane	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Bromoform	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Bromomethane	0.0105	U	U	0.0119	U	U	0.00969	U	UJ	0.0113	U	U	0.0122	U	U
VOLATILES	Butanone, 2-	0.0105	U	U	0.0119	U	U	0.00969	U	UJ	0.0113	U	U	0.0122	U	U
VOLATILES	Carbon disulfide	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Carbon tetrachloride	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Chlorobenzene	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Chloroethane	0.0105	U	U	0.0119	U	U	0.00969	U	UJ	0.0113	U	U	0.0122	U	U
VOLATILES	Chloroform	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Chloromethane	0.0105	U	U	0.0119	U	U	0.00969	U	UJ	0.0113	U	U	0.0122	U	U
VOLATILES	Dibromochloromethane	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloroethane, 1,1-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloroethane, 1,2-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloroethene, 1,1-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloropropane, 1,2-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B692			TNTC-B692			TNTC-B692			TNTC-B693			TNTC-B693		
LOCATION_CODE		TNTC-SO241			TNTC-SO241			TNTC-SO320			TNTC-SO173			TNTC-SO407		
SAMPLE_NO		AB0448			AB0469			AB0477			AB0443			AB0472		
SAMPLE_DATE		11-Oct-00			27-Sep-00			12-Oct-00			11-Oct-00			28-Sep-00		
START.DEPTH		1			4			1.5			1			8		
END.DEPTH		2			6			2.5			2			10		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Hexanone, 2-	0.0105	U	U	0.0119	U	U	0.00969	U	UJ	0.0113	U	U	0.0122	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0105	U	U	0.0119	U	U	0.00969	U	UJ	0.0113	U	U	0.0122	U	U
VOLATILES	Methylene chloride	0.00505	JB	B	0.0162	B	B	0.0514	B	J	0.00594	B	B	0.006	JB	B
VOLATILES	Styrene	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Tetrachloroethene	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Toluene	0.00523	U	U	0.00594	U	U	0.0139		J	0.00567	U	U	0.00611	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Trichloroethene	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Vinyl chloride	0.0105	U	U	0.0119	U	U	0.00969	U	UJ	0.0113	U	U	0.0122	U	U
VOLATILES	Xylene, o-	0.00523	U	U	0.00594	U	U	0.00484	U	UJ	0.00567	U	U	0.00611	U	U
VOLATILES	Xylenes, m,p-	0.00523	U	U	0.00594	U	U	0.00389	J	J	0.00567	U	U	0.00611	U	U
SEMIVOLATILES	Acenaphthene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Acenaphthylene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Anthracene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Benzo(a)anthracene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Benzo(a)pyrene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Benzo(ghi)perylene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	3.85	U	U	0.376	U	U	0.0335	J	J	0.0409	J	J	0.42	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Butyl benzyl phthalate	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Carbazole	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Chloroaniline, 4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Chlorophenol, 2-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B692			TNTC-B692			TNTC-B692			TNTC-B693			TNTC-B693		
LOCATION_CODE		TNTC-SO241			TNTC-SO241			TNTC-SO320			TNTC-SO173			TNTC-SO407		
SAMPLE_NO		AB0448			AB0469			AB0477			AB0443			AB0472		
SAMPLE_DATE		11-Oct-00			27-Sep-00			12-Oct-00			11-Oct-00			28-Sep-00		
START_DEPTH		1			4			1.5			1			8		
END_DEPTH		2			6			2.5			2			10		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Di-n-butyl phthalate	3.85	U	U	0.376	U	U	0.169	J	J	0.372	U	U	0.42	U	U
SEMIVOLATILES	Di-n-octyl phthalate	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dibenzofuran	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	7.7	U	U	0.752	U	U	0.761	U	U	0.744	U	U	0.839	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Diethyl phthalate	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dimethyl phthalate	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	7.7	U	U	0.752	U	U	0.761	U	U	0.744	U	U	0.839	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	7.7	U	U	0.752	U	U	0.761	U	U	0.744	U	U	0.839	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	5.68			0.0493	J	J	0.176	J	J	0.0916	J	J	0.42	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	10.7			0.376	U	U	0.386			0.372	U	U	0.42	U	U
SEMIVOLATILES	Fluoranthene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Fluorene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Hexachlorobenzene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Hexachlorobutadiene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	3.85	U	U	0.376	U	UJ	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Hexachloroethane	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Isophorone	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Methylphenol, 2-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Methylphenol, 4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Naphthalene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Nitroaniline, 2-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Nitroaniline, 3-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Nitroaniline, 4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B692			TNTC-B692			TNTC-B692			TNTC-B693			TNTC-B693		
LOCATION_CODE		TNTC-SO241			TNTC-SO241			TNTC-SO320			TNTC-SO173			TNTC-SO407		
SAMPLE_NO		AB0448			AB0469			AB0477			AB0443			AB0472		
SAMPLE_DATE		11-Oct-00			27-Sep-00			12-Oct-00			11-Oct-00			28-Sep-00		
START_DEPTH		1			4			1.5			1			8		
END_DEPTH		2			6			2.5			2			10		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Nitrophenol, 2-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Nitrophenol, 4-	7.7	U	U	0.752	U	U	0.761	U	U	0.744	U	U	0.839	U	U
SEMIVOLATILES	Pentachlorophenol	7.7	U	U	0.752	U	U	0.761	U	U	0.744	U	U	0.839	U	U
SEMIVOLATILES	Phenanthrene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Phenol	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Pyrene	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	3.85	U	U	0.376	U	U	0.381	U	U	0.372	U	U	0.42	U	U
PCBS	Aroclor 1016	0.0385	U	U	0.0376	U	U	0.0381	U	U	0.0372	U	U	0.042	U	U
PCBS	Aroclor 1221	0.0385	U	U	0.0376	U	U	0.0381	U	U	0.0372	U	U	0.042	U	U
PCBS	Aroclor 1232	0.0385	U	U	0.0376	U	U	0.0381	U	U	0.0372	U	U	0.042	U	U
PCBS	Aroclor 1242	0.0385	U	U	0.0376	U	U	0.0381	U	U	0.0372	U	U	0.042	U	U
PCBS	Aroclor 1248	0.0385	U	U	0.0376	U	U	0.0381	U	U	0.0372	U	U	0.042	U	U
PCBS	Aroclor 1254	0.0385	U	U	0.0376	U	U	0.0381	U	U	0.0372	U	U	0.042	U	U
PCBS	Aroclor 1260	0.517			0.0196	J	J	0.0237	J	J	0.0366	J	J	0.0405	J	J
METALS	Aluminum	5570			5360		J	4170	H	J	4110			1610		J
METALS	Antimony	1.32	U	UJ	1.31	U	UJ	1.37	U	UJ	0.78	B	B	0.779	B	J
METALS	Arsenic	9.38			3.43			9.88			3.63			3.39		
METALS	Barium	81.6			28.3			52.8			42.8			38.7		
METALS	Beryllium	0.46			0.325			0.42		J	0.274			0.154	B	J
METALS	Cadmium	1.19			0.657	U	U	0.159	B	J	0.191	B	B	0.712	U	U
METALS	Calcium	24000		J	7710		J	45900	H	J	2590		J	1610		
METALS	Chromium	9.87		J	6.49			8.08			5.92		J	3.84		
METALS	Cobalt	4.5			2.41			3.77			2.61			1.11	B	J
METALS	Copper	14.2			4.46		B	10.5			5.09			3.53		
METALS	Iron	28800			9180			28500			8480			6370		
METALS	Lead	58.1		J	9.27		J	9.46		J	8.07		J	4.22		B
METALS	Magnesium	5900		J	3030		J	13200		J	1170		J	434		
METALS	Manganese	1400			263			1120		J	388			34.2		
METALS	Mercury	0.043		J	0.024	B	J	0.037	U	U	0.037	U	U	0.032	U	U
METALS	Nickel	15.4			6			14			6.73			3.29		
METALS	Potassium	506		J	304			680		J	339		J	355		

Soil Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B692			TNTC-B692			TNTC-B692			TNTC-B693			TNTC-B693		
LOCATION_CODE		TNTC-SO241			TNTC-SO241			TNTC-SO320			TNTC-SO173			TNTC-SO407		
SAMPLE_NO		AB0448			AB0469			AB0477			AB0443			AB0472		
SAMPLE_DATE		11-Oct-00			27-Sep-00			12-Oct-00			11-Oct-00			28-Sep-00		
START.DEPTH		1			4			1.5			1			8		
END.DEPTH		2			6			2.5			2			10		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.1	U	U	1.1	U	U	1.14	U	U	1.12	U	U	1.19	U	U
METALS	Silver	0.455	B	J	0.657	U	U	0.685	U	U	0.67	U	U	0.712	U	U
METALS	Sodium	228			173	B	J	152	B	B	170	B	J	115	B	B
METALS	Thallium	2.2	U	U	2.19	U	U	2.28	U	U	2.23	U	U	2.38	U	U
METALS	Vanadium	17.3			11			14.8			11.9			10.1		
METALS	Zinc	359		J	29.3			94.6			45.8		J	12.3		

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B696			TNTC-B696			TNTC-B696			TNTC-B696		
LOCATION_CODE		TNTC-SO190			TNTC-SO192			TNTC-SO192			TNTC-SO327		
SAMPLE_NO		AB0444			AB0445			AB0446			AB0479		
SAMPLE_DATE		11-Oct-00			11-Oct-00			11-Oct-00			12-Oct-00		
START.DEPTH		1			0			2			2		
END.DEPTH		2			1			2.5			3		
SAMPLE_PURPOSE		REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.99			6.62			4.76			2.2		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	1.24			5.14			3.27			3.02		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U	0.751			0.1	U	U	0.087	U	U
NITROAROMATICS	Dinitrotoluene, total	0.1	U	U	3.7			0.705			0.087	U	U
NITROAROMATICS	HMX	0.2	U	U	0.2	U	U	0.2	U	U	0.174	U	U
NITROAROMATICS	Nitrobenzene	0.1	U	U	0.1	U	U	0.212			0.087	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.2	U	U	0.2	U	U	0.174	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.2	U	U	0.2	U	U	0.174	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.2	U	U	0.2	U	U	0.174	U	U
NITROAROMATICS	RDX	0.2	U	U	0.2	U	U	0.2	U	U	0.174	U	U
NITROAROMATICS	Tetryl	0.2	U	U	0.2	U	U	0.2	U	U	0.174	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.1	U	U	0.723			0.811			0.087	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.634			878			251			9.91		
VOLATILES	Acetone	0.109		J	0.0975		J	0.00985	U	R	0.0696		
VOLATILES	Benzene	0.00498	U	U	0.00601			0.00291	J	J	0.00185	J	J
VOLATILES	Bromodichloromethane	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Bromoform	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Bromomethane	0.00996	U	U	0.0119	U	U	0.00985	U	U	0.00896	U	U
VOLATILES	Butanone, 2-	0.00996	U	U	0.0119	U	U	0.00985	U	U	0.00896	U	U
VOLATILES	Carbon disulfide	0.00598			0.00595	U	U	0.00423	J	J	0.0272		
VOLATILES	Carbon tetrachloride	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Chlorobenzene	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Chloroethane	0.00996	U	U	0.0119	U	U	0.00985	U	U	0.00896	U	U
VOLATILES	Chloroform	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Chloromethane	0.00996	U	U	0.0119	U	U	0.00985	U	U	0.00896	U	U
VOLATILES	Dibromochloromethane	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloroethane, 1,1-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloroethane, 1,2-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloroethene, 1,1-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloropropane, 1,2-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U

Soil Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B696			TNTC-B696			TNTC-B696			TNTC-B696		
LOCATION_CODE		TNTC-SO190			TNTC-SO192			TNTC-SO192			TNTC-SO327		
SAMPLE_NO		AB0444			AB0445			AB0446			AB0479		
SAMPLE_DATE		11-Oct-00			11-Oct-00			11-Oct-00			12-Oct-00		
START_DEPTH		1			0			2			2		
END_DEPTH		2			1			2.5			3		
SAMPLE_PURPOSE		REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00119	J	J
VOLATILES	Hexanone, 2-	0.00996	U	U	0.0119	U	U	0.00985	U	U	0.00896	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.00996	U	U	0.0119	U	U	0.00985	U	U	0.00896	U	U
VOLATILES	Methylene chloride	0.00731	B	B	0.0054	JB	B	0.00443	JB	B	0.00583	B	B
VOLATILES	Styrene	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Tetrachloroethene	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Toluene	0.00302	J	J	0.00258	J	J	0.00692			0.00296	J	J
VOLATILES	Trichloroethane, 1,1,1-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Trichloroethene	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Vinyl chloride	0.00996	U	U	0.0119	U	U	0.00985	U	U	0.00896	U	U
VOLATILES	Xylene, o-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00448	U	U
VOLATILES	Xylenes, m,p-	0.00498	U	U	0.00595	U	U	0.00493	U	U	0.00114	J	J
SEMIVOLATILES	Acenaphthene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Acenaphthylene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Anthracene	0.402	U	U	4.09	U	U	4.14			0.381	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.0648	J	J	1	J	J	11.1			0.381	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.0596	J	J	0.704	J	J	8.2			0.381	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.102	J	J	0.929	J	J	10.2			0.381	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.402	U	U	4.09	U	U	3.4	J	J	0.381	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.402	U	U	4.09	U	U	4.38			0.381	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.0302	J	J	4.09	U	U	3.78	U	U	0.0392	J	J
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Carbazole	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B696			TNTC-B696			TNTC-B696			TNTC-B696		
LOCATION_CODE		TNTC-SO190			TNTC-SO192			TNTC-SO192			TNTC-SO327		
SAMPLE_NO		AB0444			AB0445			AB0446			AB0479		
SAMPLE_DATE		11-Oct-00			11-Oct-00			11-Oct-00			12-Oct-00		
START_DEPTH		1			0			2			2		
END_DEPTH		2			1			2.5			3		
SAMPLE_PURPOSE		REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.0656	J	J	0.831	J	J	8.74			0.381	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.402	U	U	4.09	U	U	1.4	J	J	0.381	U	U
SEMIVOLATILES	Dibenzofuran	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.805	U	U	8.18	U	U	7.55	U	U	0.761	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Diethyl phthalate	0.402	U	U	4.09	U	U	3.78	U	U	0.529	B	B
SEMIVOLATILES	Dimethyl phthalate	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.805	U	U	8.18	U	U	7.55	U	U	0.761	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.805	U	U	8.18	U	U	7.55	U	U	0.761	U	UJ
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.402	U	U	2.41	J	J	1.64	J	J	0.381	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Fluoranthene	0.11	J	J	2.05	J	J	20.3			0.381	U	U
SEMIVOLATILES	Fluorene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Hexachlorobenzene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Hexachloroethane	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.402	U	U	4.09	U	U	3.64	J	J	0.381	U	U
SEMIVOLATILES	Isophorone	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Methylphenol, 2-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Methylphenol, 4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Naphthalene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B696			TNTC-B696			TNTC-B696			TNTC-B696		
LOCATION_CODI		TNTC-SO190			TNTC-SO192			TNTC-SO192			TNTC-SO327		
SAMPLE_NO		AB0444			AB0445			AB0446			AB0479		
SAMPLE_DATE		11-Oct-00			11-Oct-00			11-Oct-00			12-Oct-00		
START.DEPTH		1			0			2			2		
END.DEPTH		2			1			2.5			3		
SAMPLE_PURPOSE		REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.805	U	U	8.18	U	U	7.55	U	U	0.761	U	U
SEMIVOLATILES	Pentachlorophenol	0.805	U	U	8.18	U	U	7.55	U	U	0.761	U	U
SEMIVOLATILES	Phenanthrene	0.402	U	U	1.35	J	U	5.21			0.381	U	U
SEMIVOLATILES	Phenol	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Pyrene	0.0873	J	J	1.54	J	J	17.1			0.381	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.402	U	U	4.09	U	U	3.78	U	U	0.381	U	U
PCBS	Aroclor 1016	0.0404	U	U	0.0409	U	U	0.0379	U	U	0.0381	U	U
PCBS	Aroclor 1221	0.0404	U	U	0.0409	U	U	0.0379	U	U	0.0381	U	U
PCBS	Aroclor 1232	0.0404	U	U	0.0409	U	U	0.0379	U	U	0.0381	U	U
PCBS	Aroclor 1242	0.0404	U	U	0.0409	U	U	0.0379	U	U	0.0381	U	U
PCBS	Aroclor 1248	0.0404	U	U	0.0409	U	U	0.0379	U	U	0.0381	U	U
PCBS	Aroclor 1254	0.0404	U	U	0.0409	U	U	0.0379	U	U	0.0381	U	U
PCBS	Aroclor 1260	0.0807	U	U	0.373		J	0.3			0.00951	J	J
METALS	Aluminum	7340			5580			2820			6190	H	J
METALS	Antimony	1.4	U	UJ	1.44	U	UJ	1.31	U	UJ	0.633	B	B
METALS	Arsenic	5.58			7.12			2.58			4.07		
METALS	Barium	50.3			89.8			398			46		
METALS	Beryllium	0.482			0.394			0.205	B	J	0.408		J
METALS	Cadmium	0.693	B		2.19			0.913			0.672	U	U
METALS	Calcium	25000		J	45900		J	46800		J	6520	H	J
METALS	Chromium	13.1		J	16.2		J	202		J	10.1		
METALS	Cobalt	6.25			4.36			3.69			4.59		
METALS	Copper	9.9			52.2			16.4			7.22		
METALS	Iron	20600			21400			8120			18000		
METALS	Lead	20.1		J	934		J	228		J	8.61		J
METALS	Magnesium	2130		J	4660		J	5360		J	1640		J
METALS	Manganese	562			614			374			424		J
METALS	Mercury	0.03	B	J	0.107		J	0.085		J	0.031	B	J
METALS	Nickel	18.8			22.1			90.8			14.3		
METALS	Potassium	1140		J	878		J	492		J	822		J

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B696			TNTC-B696			TNTC-B696			TNTC-B696		
LOCATION_CODE		TNTC-SO190			TNTC-SO192			TNTC-SO192			TNTC-SO327		
SAMPLE_NO		AB0444			AB0445			AB0446			AB0479		
SAMPLE_DATE		11-Oct-00			11-Oct-00			11-Oct-00			12-Oct-00		
START.DEPTH		1			0			2			2		
END.DEPTH		2			1			2.5			3		
SAMPLE_PURPOSE		REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.11	B	B	0.948	B	B	1.09	U	U	1.12	U	U
METALS	Silver	0.699	U	U	0.722	U	U	0.656	U	U	0.672	U	U
METALS	Sodium	185	B	J	403			146	B	J	109	B	B
METALS	Thallium	2.33	U	U	2.41	U	U	2.19	U	U	2.24	U	U
METALS	Vanadium	21.9			28.8			19.9			18		
METALS	Zinc	204		J	708		J	170		J	29.5		

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC-B603			TNTC-B611			TNTC-B611			TNTC-B616		
LOCATION_CODE				TNTC-GW04			TNTC-GW10			TNTC-GW10			TNTC-GW05		
SAMPLE_NO				AB3004			AB3010			AB3011			AB3005		
SAMPLE_DATE				28-Sep-00			27-Sep-00			27-Sep-00			10-Oct-00		
START.DEPTH				9			4			4			1.9		
END.DEPTH				10			6			6			16.55		
SAMPLE_PURPOSE				REG			REG			FD			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATIC	Amino-2,6-dinitrotoluene, 4-	ug/L	N	59.4			21.1			18.1			48		
NITROAROMATIC	Amino-4,6-dinitrotoluene, 2-	ug/L	N	147	D	D	15.1			13.1			34.9		
NITROAROMATIC	Dinitrobenzene, 1,3-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATIC	Dinitrotoluene, total	ug/L	N	338	D	D	7.9			5.9			9.64		
NITROAROMATIC	HMX	ug/L	N	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATIC	Nitrobenzene	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.488		
NITROAROMATIC	Nitrotoluene, 2-	ug/L	N	4.73			2.61			2.26			0.52	U	U
NITROAROMATIC	Nitrotoluene, 3-	ug/L	N	0.88			0.481	J	J	0.367	J	J	0.52	U	U
NITROAROMATIC	Nitrotoluene, 4-	ug/L	N	0.52	U	U	0.396	J	J	0.429	J	J	0.52	U	U
NITROAROMATIC	RDX	ug/L	N	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATIC	Tetryl	ug/L	N	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATIC	Trinitrobenzene, 1,3,5-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	10.3		
NITROAROMATIC	Trinitrotoluene, 2,4,6-	ug/L	N	620	D	D	9.7			4.65			9720		
VOLATILES	Acetone	ug/L	N	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Benzene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	ug/L	N	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Carbon tetrachloride	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	ug/L	N	1	U	U	1	U	UJ	1	U	UJ	1	U	U
VOLATILES	Dibromochloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC-B603			TNTC-B611			TNTC-B611			TNTC-B616		
LOCATION_CODE				TNTC-GW04			TNTC-GW10			TNTC-GW10			TNTC-GW05		
SAMPLE_NO				AB3004			AB3010			AB3011			AB3005		
SAMPLE_DATE				28-Sep-00			27-Sep-00			27-Sep-00			10-Oct-00		
START.DEPTH				9			4			4			1.9		
END.DEPTH				10			6			6			16.55		
SAMPLE_PURPOSE				REG			REG			FD			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	ug/L	N	1.2		B	0.71	J	B	1.67		B	1.15	B	B
VOLATILES	Styrene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Acenaphthylene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Anthracene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Benzo(a)anthracene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Benzo(a)pyrene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Benzo(ghi)perylene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Butyl benzyl phthalate	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Carbazole	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Chloroaniline, 4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Chlorophenol, 2-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC-B603			TNTC-B611			TNTC-B611			TNTC-B616		
LOCATION_CODE				TNTC-GW04			TNTC-GW10			TNTC-GW10			TNTC-GW05		
SAMPLE_NO				AB3004			AB3010			AB3011			AB3005		
SAMPLE_DATE				28-Sep-00			27-Sep-00			27-Sep-00			10-Oct-00		
START.DEPTH				9			4			4			1.9		
END.DEPTH				10			6			6			16.55		
SAMPLE_PURPOSE				REG			REG			FD			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Di-n-butyl phthalate	ug/L	N	50	U	U	10.5	U	U	4.92	J	J	11.1	U	U
SEMIVOLATILES	Di-n-octyl phthalate	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dibenzofuran	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	ug/L	N	100	U	U	21.1	U	U	22.2	U	U	22.2	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Diethyl phthalate	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dimethyl phthalate	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	ug/L	N	100	U	U	21.1	U	U	22.2	U	U	22.2	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	ug/L	N	100	U	U	21.1	U	U	22.2	U	U	22.2	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	ug/L	N	215			4.05	J	J	3.72	J	J	3.64	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	ug/L	N	45.5	J	J	2.4	J	J	2.1	J	J	11.1	U	U
SEMIVOLATILES	Fluoranthene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Fluorene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Hexachlorobenzene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Hexachlorobutadiene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Hexachloroethane	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Isophorone	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Methylphenol, 2-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Methylphenol, 4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Naphthalene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Nitroaniline, 2-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Nitroaniline, 3-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Nitroaniline, 4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC-B603			TNTC-B611			TNTC-B611			TNTC-B616		
LOCATION_CODE				TNTC-GW04			TNTC-GW10			TNTC-GW10			TNTC-GW05		
SAMPLE_NO				AB3004			AB3010			AB3011			AB3005		
SAMPLE_DATE				28-Sep-00			27-Sep-00			27-Sep-00			10-Oct-00		
START.DEPTH				9			4			4			1.9		
END.DEPTH				10			6			6			16.55		
SAMPLE_PURPOS				REG			REG			FD			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Nitrophenol, 2-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Nitrophenol, 4-	ug/L	N	100	U	U	21.1	U	U	22.2	U	U	22.2	U	U
SEMIVOLATILES	Pentachlorophenol	ug/L	N	100	U	U	21.1	U	U	22.2	U	U	22.2	U	U
SEMIVOLATILES	Phenanthrene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Phenol	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Pyrene	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	ug/L	N	50	U	U	10.5	U	U	11.1	U	U	11.1	U	U
PCBS	Aroclor 1016	ug/L	N	1	U	U	1.11	U	U	1.11	U	U	1.09	U	U
PCBS	Aroclor 1221	ug/L	N	1	U	U	1.11	U	U	1.11	U	U	1.09	U	U
PCBS	Aroclor 1232	ug/L	N	1	U	U	1.11	U	U	1.11	U	U	1.09	U	U
PCBS	Aroclor 1242	ug/L	N	1	U	U	1.11	U	U	1.11	U	U	1.09	U	U
PCBS	Aroclor 1248	ug/L	N	1	U	U	1.11	U	U	1.11	U	U	1.09	U	U
PCBS	Aroclor 1254	ug/L	N	1	U	U	1.11	U	U	1.11	U	U	1.09	U	U
PCBS	Aroclor 1260	ug/L	N	2	U	U	2.22	U	U	2.22	U	U	2.17	U	U
METALS	Aluminum	ug/L	N	12300			426			1050			26400		
METALS	Aluminum	ug/L	Y	107	B	B	200	U	U	200	U	U			
METALS	Antimony	ug/L	N	6	U	U	6	U	UJ	3.98	B	J	6	U	U
METALS	Antimony	ug/L	Y	6	U	U	6	U	UJ	6	U	UJ			
METALS	Arsenic	ug/L	N	8.22		J	5	U	U	5	U	U	21.6		J
METALS	Arsenic	ug/L	Y	5	U	J	5	U	U	5	U	U			
METALS	Barium	ug/L	N	143			21.5			24.7			207		
METALS	Barium	ug/L	Y	42.4			16.4			18.2					
METALS	Beryllium	ug/L	N	1.07			1	U	U	1	U	U	2.35		
METALS	Beryllium	ug/L	Y	0.104	B	B	1	U	U	1	U	U			
METALS	Cadmium	ug/L	N	3	U	U	3	U	U	3	U	U	0.962	B	J
METALS	Cadmium	ug/L	Y	3	U	U	3	U	U	3	U	U			
METALS	Calcium	ug/L	N	338000			147000			152000			224000		
METALS	Calcium	ug/L	Y	132000			135000			140000					
METALS	Chromium	ug/L	N	24.4			5	U	U	2.18	B	B	64		
METALS	Chromium	ug/L	Y	5	U	U	5	U	U	5	U	U			
METALS	Cobalt	ug/L	N	16.2			5	U	U	1.62	B	J	28.2		

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC-B603			TNTC-B611			TNTC-B611			TNTC-B616		
LOCATION_CODE				TNTC-GW04			TNTC-GW10			TNTC-GW10			TNTC-GW05		
SAMPLE_NO				AB3004			AB3010			AB3011			AB3005		
SAMPLE_DATE				28-Sep-00			27-Sep-00			27-Sep-00			10-Oct-00		
START_DEPTH				9			4			4			1.9		
END_DEPTH				10			6			6			16.55		
SAMPLE_PURPOSE				REG			REG			FD			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Cobalt	ug/L	Y	1.8	B	J	5	U	U	5	U	U			
METALS	Copper	ug/L	N	26.5			4.13	B	J	6.18		B	516		
METALS	Copper	ug/L	Y	2.58	B	J	3.23	B	B	3.36	B	B			
METALS	Iron	ug/L	N	29100			810			2080			72900		
METALS	Iron	ug/L	Y	240			100	U	U	100	U	U			
METALS	Lead	ug/L	N	23.6			3	U	U	4.37			2050		
METALS	Lead	ug/L	Y	3	U	U	3	U	U	3	U	U			
METALS	Magnesium	ug/L	N	34700			12500			13600			50100		
METALS	Magnesium	ug/L	Y	29100			12100			12100					
METALS	Manganese	ug/L	N	1890			109			137			1040		
METALS	Manganese	ug/L	Y	236			115			105					
METALS	Mercury	ug/L	N	0.146	B	J	0.105	B	J	0.2	U	J	9.3		
METALS	Mercury	ug/L	Y	0.11	B	J	0.2	U	U	0.2	U	U			
METALS	Nickel	ug/L	N	40.8			2.5	B	J	4.66	B	J	86.4		
METALS	Nickel	ug/L	Y	2.04	B	J	5	U	U	5	U	U			
METALS	Potassium	ug/L	N	6490			6020			6000			13600		
METALS	Potassium	ug/L	Y	1110			4770			5620					
METALS	Selenium	ug/L	N	5	U	U	5	U	U	3.36	B	B	5	U	U
METALS	Selenium	ug/L	Y	5	U	U	5	U	U	5	U	U			
METALS	Silver	ug/L	N	3	U	U	3	U	U	0.955	B	J	0.703	B	J
METALS	Silver	ug/L	Y	3	U	U	3	U	U	0.746	B	J			
METALS	Sodium	ug/L	N	2520			3400			3530			23600		
METALS	Sodium	ug/L	Y	2030			2900			3360					
METALS	Thallium	ug/L	N	10	U	U	10	U	U	10	U	U	10	U	U
METALS	Thallium	ug/L	Y	10	U	U	10	U	U	10	U	U			
METALS	Vanadium	ug/L	N	24			1.02	B	J	3.59	B	J	111		
METALS	Vanadium	ug/L	Y	5	U	U	5	U	U	5	U	U			
METALS	Zinc	ug/L	N	99.6			24.9			33.2			993		
METALS	Zinc	ug/L	Y	5.89	B	J	16.5			18.2					

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B681			TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B692		
LOCATION_CODE		TNTC-GW09			TNTC-GW02			TNTC-GW03			TNTC-GW08			TNTC-GW06		
SAMPLE_NO		AB3009			AB3002			AB3003			AB3008			AB3006		
SAMPLE_DATE		29-Sep-00			10-Oct-00			28-Sep-00			10-Oct-00			28-Sep-00		
START.DEPTH		11.18			10			7.4			10			13		
END.DEPTH		20			15			8.4			15			14		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	17.4			436			0.715			419			2.27		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	40.3			0.26	U	U	0.181	J	J	0.26	U	U	2.88		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.26	U	U	0.802			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	453			1260			0.26	U	U	21100			0.754		
NITROAROMATICS	HMX	0.519	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrobenzene	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	2310			258			0.52	U	U	236			0.52	U	U
NITROAROMATICS	Nitrotoluene, 3-	182			16.1			0.52	U	U	18.4			0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	1290			94.7			0.52	U	U	189			0.52	U	U
NITROAROMATICS	RDX	0.519	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Tetryl	0.519	U	U	0.52	U	U	0.52	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	3.9			1880			2.13			20100			0.547		
VOLATILES	Acetone	5	U	R	6.92	B	B	13.4		J	5	U	R	5	U	R
VOLATILES	Benzene	0.59	J	J	1	U	U	0.51	J	J	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	5	U	R	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	1	U	U	0.76	J	J	1	U	U	1	U	U	1	U	U
VOLATILES	Carbon tetrachloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dibromochloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B681			TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B692		
LOCATION_CODE		TNTC-GW09			TNTC-GW02			TNTC-GW03			TNTC-GW08			TNTC-GW06		
SAMPLE_NO		AB3009			AB3002			AB3003			AB3008			AB3006		
SAMPLE_DATE		29-Sep-00			10-Oct-00			28-Sep-00			10-Oct-00			28-Sep-00		
START.DEPTH		11.18			10			7.4			10			13		
END.DEPTH		20			15			8.4			15			14		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	0.96	J	B	1.18	B	B	0.68	J	B	0.94	JB	B	0.91	J	B
VOLATILES	Styrene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	7.88			1	J	J	0.83	J	J	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Acenaphthylene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Anthracene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Benzo(a)anthracene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Benzo(a)pyrene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Benzo(ghi)perylene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Butyl benzyl phthalate	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Carbazole	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Chloroaniline, 4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Chlorophenol, 2-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U

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GROUP_NAME		TNTC-B681			TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B692		
LOCATION_CODE		TNTC-GW09			TNTC-GW02			TNTC-GW03			TNTC-GW08			TNTC-GW06		
SAMPLE_NO		AB3009			AB3002			AB3003			AB3008			AB3006		
SAMPLE_DATE		29-Sep-00			10-Oct-00			28-Sep-00			10-Oct-00			28-Sep-00		
START_DEPTH		11.18			10			7.4			10			13		
END_DEPTH		20			15			8.4			15			14		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Di-n-butyl phthalate	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Di-n-octyl phthalate	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dibenzofuran	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	25	U	U	430	U	U	26.7	U	U	2330	U	U	21.1	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Diethyl phthalate	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dimethyl phthalate	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	25	U	U	430	U	U	26.7	U	U	2330	U	U	21.1	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	250	U	U	430	U	U	26.7	U	U	2330	U	U	21.1	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	442			4610			13.3	U	U	37600			10.5	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	122			1330			13.3	U	U	1060	J	J	10.5	U	U
SEMIVOLATILES	Fluoranthene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Fluorene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Hexachlorobenzene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Hexachlorobutadiene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	12.5	U	U	215	U	UJ	13.3	U	U	1160	U	UJ	10.5	U	U
SEMIVOLATILES	Hexachloroethane	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Isophorone	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Methylphenol, 2-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Methylphenol, 4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Naphthalene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Nitroaniline, 2-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Nitroaniline, 3-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Nitroaniline, 4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U

Groundwater Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B681			TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B692		
LOCATION_CODE		TNTC-GW09			TNTC-GW02			TNTC-GW03			TNTC-GW08			TNTC-GW06		
SAMPLE_NO		AB3009			AB3002			AB3003			AB3008			AB3006		
SAMPLE_DATE		29-Sep-00			10-Oct-00			28-Sep-00			10-Oct-00			28-Sep-00		
START_DEPTH		11.18			10			7.4			10			13		
END_DEPTH		20			15			8.4			15			14		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Nitrophenol, 2-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Nitrophenol, 4-	25	U	U	430	U	U	26.7	U	U	2330	U	U	21.1	U	U
SEMIVOLATILES	Pentachlorophenol	25	U	U	430	U	U	26.7	U	U	2330	U	U	21.1	U	U
SEMIVOLATILES	Phenanthrene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Phenol	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Pyrene	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	12.5	U	U	215	U	U	13.3	U	U	1160	U	U	10.5	U	U
PCBS	Aroclor 1016	1.11	U	U	1.14	U	U	1.41	U	U	1.09	U	U	1.05	U	U
PCBS	Aroclor 1221	1.11	U	U	1.14	U	U	1.41	U	U	1.09	U	U	1.05	U	U
PCBS	Aroclor 1232	1.11	U	U	1.14	U	U	1.41	U	U	1.09	U	U	1.05	U	U
PCBS	Aroclor 1242	1.11	U	U	1.14	U	U	1.41	U	U	1.09	U	U	1.05	U	U
PCBS	Aroclor 1248	1.11	U	U	1.14	U	U	1.41	U	U	1.09	U	U	1.05	U	U
PCBS	Aroclor 1254	1.11	U	U	1.14	U	U	1.41	U	U	1.09	U	U	1.05	U	U
PCBS	Aroclor 1260	2.22	U	U	2.27	U	U	2.82	U	U	2.17	U	U	2.11	U	U
METALS	Aluminum	221000			15400			9370			4470			7310		
METALS	Aluminum													334		
METALS	Antimony	6	U	U	4.02	B	J	6	U	U	6	U	U	6	U	U
METALS	Antimony													6	U	U
METALS	Arsenic	432		J	9.86		J	11		J	5.15		J	9.23		J
METALS	Arsenic													5	U	U
METALS	Barium	3540			264			178			140			155		
METALS	Barium													76.1		
METALS	Beryllium	17.2	B	J	1.18			0.766	B	J	0.343	B	B	0.608	B	J
METALS	Beryllium													1	U	U
METALS	Cadmium	3	U	U	3	U	U	3	U	U	3	U	U	3	U	U
METALS	Cadmium													3	U	U
METALS	Calcium	2664000			214000			223000			154000			214000		
METALS	Calcium													197000		
METALS	Chromium	450			48.6			32.2			10			19.3		
METALS	Chromium													1.54	B	J
METALS	Cobalt	471			15.6			13.5			5.93			7.23		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B681			TNTC-B682			TNTC-B682			TNTC-B683			TNTC-B692		
LOCATION_CODE		TNTC-GW09			TNTC-GW02			TNTC-GW03			TNTC-GW08			TNTC-GW06		
SAMPLE_NO		AB3009			AB3002			AB3003			AB3008			AB3006		
SAMPLE_DATE		29-Sep-00			10-Oct-00			28-Sep-00			10-Oct-00			28-Sep-00		
START.DEPTH		11.18			10			7.4			10			13		
END.DEPTH		20			15			8.4			15			14		
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Cobalt													5	U	U
METALS	Copper	1110			41.4			29.7			15.2			14		
METALS	Copper													2.07	B	J
METALS	Iron	979000			32200			47100			7450			21800		
METALS	Iron													771		
METALS	Lead	1460			46.1			241			20.8			15.5		
METALS	Lead													3	U	U
METALS	Magnesium	726000			37000			43600			20700			49100		
METALS	Magnesium													46500		
METALS	Manganese	38100			1170			1070			317			958		
METALS	Manganese													226		
METALS	Mercury	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
METALS	Mercury															
METALS	Nickel	1540			38.6			52.5			16.6			18.5		
METALS	Nickel													5	U	U
METALS	Potassium	32500			4560			5080			1650			2220		
METALS	Potassium													848		
METALS	Selenium	202	B	J	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Selenium													2.73	B	J
METALS	Silver	3	U	U	3	U	U	3	U	U	3	U	U	3	U	U
METALS	Silver													3	U	U
METALS	Sodium	28100	B	J	2640			2730			1810			3630		
METALS	Sodium													3190		
METALS	Thallium	10	U	U	10	U	U	10	U	U	10	U	U	10	U	U
METALS	Thallium													10	U	U
METALS	Vanadium	647			70.4			49.3			17.7			32.6		
METALS	Vanadium													1.27	B	J
METALS	Zinc	3960			137			162			42.5			53.2		
METALS	Zinc													5.74	B	J

Groundwater Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B693		
LOCATION_CODE		TNTC-GW07		
SAMPLE_NO		AB3007		
SAMPLE_DATE		28-Sep-00		
START.DEPTH		11.6		
END.DEPTH		12.6		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	2.74		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	3.2		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	1.8		
NITROAROMATICS	HMX	0.52	U	U
NITROAROMATICS	Nitrobenzene	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.791		
NITROAROMATICS	Nitrotoluene, 3-	0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.52	U	U
NITROAROMATICS	RDX	0.52	U	U
NITROAROMATICS	Tetryl	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.208	J	J
VOLATILES	Acetone	5	U	R
VOLATILES	Benzene	1	U	U
VOLATILES	Bromodichloromethane	1	U	U
VOLATILES	Bromoform	1	U	U
VOLATILES	Bromomethane	1	U	U
VOLATILES	Butanone, 2-	5	U	R
VOLATILES	Carbon disulfide	1	U	U
VOLATILES	Carbon tetrachloride	1	U	U
VOLATILES	Chlorobenzene	1	U	U
VOLATILES	Chloroethane	1	U	U
VOLATILES	Chloroform	1	U	U
VOLATILES	Chloromethane	1	U	U
VOLATILES	Dibromochloromethane	1	U	U
VOLATILES	Dichloroethane, 1,1-	1	U	U
VOLATILES	Dichloroethane, 1,2-	1	U	U
VOLATILES	Dichloroethene, 1,1-	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	1	U	U
VOLATILES	Dichloropropane, 1,2-	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	1	U	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B693		
LOCATION_CODE		TNTC-GW07		
SAMPLE_NO		AB3007		
SAMPLE_DATE		28-Sep-00		
START_DEPTH		11.6		
END_DEPTH		12.6		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
VOLATILES	Ethylbenzene	1	U	U
VOLATILES	Hexanone, 2-	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	5	U	U
VOLATILES	Methylene chloride	1.34		B
VOLATILES	Styrene	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	1	U	U
VOLATILES	Tetrachloroethene	1	U	U
VOLATILES	Toluene	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	1	U	U
VOLATILES	Trichloroethene	1	U	U
VOLATILES	Vinyl chloride	1	U	U
VOLATILES	Xylene, o-	1	U	U
VOLATILES	Xylenes, m,p-	1	U	U
SEMIVOLATILES	Acenaphthene	12.5	U	U
SEMIVOLATILES	Acenaphthylene	12.5	U	U
SEMIVOLATILES	Anthracene	12.5	U	U
SEMIVOLATILES	Benzo(a)anthracene	12.5	U	U
SEMIVOLATILES	Benzo(a)pyrene	12.5	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	12.5	U	U
SEMIVOLATILES	Benzo(ghi)perylene	12.5	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	12.5	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	12.5	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	12.5	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	12.5	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	12.5	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	12.5	U	U
SEMIVOLATILES	Butyl benzyl phthalate	12.5	U	U
SEMIVOLATILES	Carbazole	12.5	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	12.5	U	U
SEMIVOLATILES	Chloroaniline, 4-	12.5	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	12.5	U	U
SEMIVOLATILES	Chlorophenol, 2-	12.5	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	12.5	U	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B693		
LOCATION_CODE		TNTC-GW07		
SAMPLE_NO		AB3007		
SAMPLE_DATE		28-Sep-00		
START.DEPTH		11.6		
END.DEPTH		12.6		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	12.5	U	U
SEMIVOLATILES	Di-n-butyl phthalate	12.5	U	U
SEMIVOLATILES	Di-n-octyl phthalate	12.5	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	12.5	U	U
SEMIVOLATILES	Dibenzofuran	12.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	12.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	12.5	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	12.5	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	25	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	12.5	U	U
SEMIVOLATILES	Diethyl phthalate	12.5	U	U
SEMIVOLATILES	Dimethyl phthalate	12.5	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	12.5	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	25	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	25	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	6.91	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	12.5	U	U
SEMIVOLATILES	Fluoranthene	12.5	U	U
SEMIVOLATILES	Fluorene	12.5	U	U
SEMIVOLATILES	Hexachlorobenzene	12.5	U	U
SEMIVOLATILES	Hexachlorobutadiene	12.5	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	12.5	U	U
SEMIVOLATILES	Hexachloroethane	12.5	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	12.5	U	U
SEMIVOLATILES	Isophorone	12.5	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	12.5	U	U
SEMIVOLATILES	Methylphenol, 2-	12.5	U	U
SEMIVOLATILES	Methylphenol, 4-	12.5	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	12.5	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	12.5	U	U
SEMIVOLATILES	Naphthalene	12.5	U	U
SEMIVOLATILES	Nitroaniline, 2-	12.5	U	U
SEMIVOLATILES	Nitroaniline, 3-	12.5	U	U
SEMIVOLATILES	Nitroaniline, 4-	12.5	U	U

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B693		
LOCATION_CODE		TNTC-GW07		
SAMPLE_NO		AB3007		
SAMPLE_DATE		28-Sep-00		
START.DEPTH		11.6		
END.DEPTH		12.6		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	12.5	U	U
SEMIVOLATILES	Nitrophenol, 2-	12.5	U	U
SEMIVOLATILES	Nitrophenol, 4-	25	U	U
SEMIVOLATILES	Pentachlorophenol	25	U	U
SEMIVOLATILES	Phenanthrene	12.5	U	U
SEMIVOLATILES	Phenol	12.5	U	U
SEMIVOLATILES	Pyrene	12.5	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	12.5	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	12.5	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	12.5	U	U
PCBS	Aroclor 1016	1.11	U	U
PCBS	Aroclor 1221	1.11	U	U
PCBS	Aroclor 1232	1.11	U	U
PCBS	Aroclor 1242	1.11	U	U
PCBS	Aroclor 1248	1.11	U	U
PCBS	Aroclor 1254	1.11	U	U
PCBS	Aroclor 1260	2.22	U	U
METALS	Aluminum	19500		
METALS	Aluminum			
METALS	Antimony	6	U	U
METALS	Antimony			
METALS	Arsenic	39.1		J
METALS	Arsenic			
METALS	Barium	579		
METALS	Barium			
METALS	Beryllium	1.6		
METALS	Beryllium			
METALS	Cadmium	3	U	U
METALS	Cadmium			
METALS	Calcium	514000		
METALS	Calcium			
METALS	Chromium	47.2		
METALS	Chromium			
METALS	Cobalt	21.1		

Groundwater Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC-B693		
LOCATION_CODE		TNTC-GW07		
SAMPLE_NO		AB3007		
SAMPLE_DATE		28-Sep-00		
START_DEPTH		11.6		
END_DEPTH		12.6		
SAMPLE_PURPOSE		REG		
Test Group	Parameter	Result	Qual	ValQual
METALS	Cobalt			
METALS	Copper	45.5		
METALS	Copper			
METALS	Iron	68500		
METALS	Iron			
METALS	Lead	54.6		
METALS	Lead			
METALS	Magnesium	90000		
METALS	Magnesium			
METALS	Manganese	1300		
METALS	Manganese			
METALS	Mercury	0.15	B	J
METALS	Mercury			
METALS	Nickel	56.3		
METALS	Nickel			
METALS	Potassium	5820		
METALS	Potassium			
METALS	Selenium	2.31	B	J
METALS	Selenium			
METALS	Silver	3	U	U
METALS	Silver			
METALS	Sodium	7360		
METALS	Sodium			
METALS	Thallium	10	U	U
METALS	Thallium			
METALS	Vanadium	93.9		
METALS	Vanadium			
METALS	Zinc	175		
METALS	Zinc			

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC			TNTC			TNTC			TNTC			TNTC	
LOCATION_CODE			TNTC-SD01			TNTC-SD01			TNTC-SD02			TNTC-SD03			TNTC-SD04	
SAMPLE_NO			AB1001			AB1016			AB1002			AB1003			AB1004	
SAMPLE_DATE			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00	
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE			REG			FD			REG			REG			REG	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	0.0952	U	U	0.1	U	U	0.1	U	U	0.0833	U	U	0.0952	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.0952	U	U	0.1	U	U	0.1	U	U	0.0833	U	U	0.0952	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.0952	U	U	0.1	U	U	0.1	U	U	0.0833	U	U	0.0952	U	U
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.0952	U	U	0.1	U	U	0.1	U	U	0.0833	U	U	0.354		
NITROAROMATICS	HMX	mg/kg	0.19	U	U	0.2	U	U	0.2	U	U	0.167	U	U	0.19	U	U
NITROAROMATICS	Nitrobenzene	mg/kg	0.0952	U	U	0.1	U	U	0.1	U	U	0.0833	U	U	0.0952	U	U
NITROAROMATICS	Nitrotoluene, 2-	mg/kg	0.19	U	U	0.2	U	U	0.2	U	U	0.167	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.19	U	U	0.2	U	U	0.2	U	U	0.167	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 4-	mg/kg	0.19	U	U	0.2	U	U	0.2	U	U	0.167	U	U	0.19	U	U
NITROAROMATICS	RDX	mg/kg	0.19	U	U	0.2	U	U	0.2	U	U	0.167	U	U	0.19	U	U
NITROAROMATICS	Tetryl	mg/kg	0.19	U	U	0.2	U	U	0.2	U	U	0.167	U	U	0.19	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.0952	U	U	0.1	U	U	0.1	U	U	0.0833	U	U	0.0952	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.0952	U	U	0.1	U	U	0.1	U	U	0.0833	U	U	0.0952	U	U
VOLATILES	Acetone	mg/kg	0.0187		B	0.0196		B	0.0179		B	0.0298		B	0.0137	J	B
VOLATILES	Benzene	mg/kg	0.00341	J	J	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Bromodichloromethane	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Bromoform	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Bromomethane	mg/kg	0.0134	U	U	0.0147	U	U	0.0172	U	U	0.014	U	U	0.0166	U	U
VOLATILES	Butanone, 2-	mg/kg	0.00987	J	J	0.0147	U	U	0.0172	U	U	0.014	U	U	0.0166	U	U
VOLATILES	Carbon disulfide	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Carbon tetrachloride	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Chlorobenzene	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Chloroethane	mg/kg	0.0134	U	U	0.0147	U	U	0.0172	U	U	0.014	U	U	0.0166	U	U
VOLATILES	Chloroform	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Chloromethane	mg/kg	0.0134	U	U	0.0147	U	U	0.0172	U	U	0.014	U	U	0.0166	U	U
VOLATILES	Dibromochloromethane	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloroethane, 1,1-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloroethane, 1,2-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloroethene, 1,1-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloroethene, cis-1,2-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloroethene, trans-1,2-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloropropane, 1,2-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloropropene, cis-1,3-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Dichloropropene, trans-1,3-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE			TNTC-SD01			TNTC-SD01			TNTC-SD02			TNTC-SD03			TNTC-SD04		
SAMPLE_NO			AB1001			AB1016			AB1002			AB1003			AB1004		
SAMPLE_DATE			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00		
START_DEPTH																	
END_DEPTH																	
SAMPLE_PURPOSE			REG			FD			REG			REG			REG		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Hexanone, 2-	mg/kg	0.0134	U	U	0.0147	U	U	0.0172	U	U	0.014	U	U	0.0166	U	U
VOLATILES	Methyl-2-pentanone, 4-	mg/kg	0.0134	U	U	0.0147	U	U	0.0172	U	U	0.014	U	U	0.0166	U	U
VOLATILES	Methylene chloride	mg/kg	0.0275		B	0.0338		B	0.074			0.0327		B	0.039		B
VOLATILES	Styrene	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Tetrachloroethene	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Toluene	mg/kg	0.00683			0.00737	U	U	0.00861	U	U	0.0034	J	J	0.0083	U	U
VOLATILES	Trichloroethane, 1,1,1-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Trichloroethane, 1,1,2-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Trichloroethene	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Vinyl chloride	mg/kg	0.0134	U	U	0.0147	U	U	0.0172	U	U	0.014	U	U	0.0166	U	U
VOLATILES	Xylene, o-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
VOLATILES	Xylenes, m,p-	mg/kg	0.00671	U	U	0.00737	U	U	0.00861	U	U	0.00699	U	U	0.0083	U	U
SEMIVOLATILES	Acenaphthene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Acenaphthylene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Anthracene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Benzo(a)anthracene	mg/kg	0.446	U	U	0.491	U	U	0.0693	J	J	0.46	U	U	0.548	U	U
SEMIVOLATILES	Benzo(a)pyrene	mg/kg	0.446	U	U	0.491	U	U	0.0602	J	J	0.46	U	U	0.548	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Benzo(ghi)perylene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Butyl benzyl phthalate	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Carbazole	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Chloroaniline, 4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Chlorophenol, 2-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE			TNTC-SD01			TNTC-SD01			TNTC-SD02			TNTC-SD03			TNTC-SD04		
SAMPLE_NO			AB1001			AB1016			AB1002			AB1003			AB1004		
SAMPLE_DATE			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00		
START_DEPTH																	
END_DEPTH																	
SAMPLE_PURPOSE			REG			FD			REG			REG			REG		
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Di-n-butyl phthalate	mg/kg	0.0677	J	J	0.0727	J	J	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Di-n-octyl phthalate	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dibenzofuran	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	mg/kg	0.891	U	U	0.982	U	U	1.14	U	U	0.92	U	U	1.1	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Diethyl phthalate	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dimethyl phthalate	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	mg/kg	0.891	U	U	0.982	U	U	1.14	U	U	0.92	U	U	1.1	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	mg/kg	0.891	U	U	0.982	U	U	1.14	U	U	0.92	U	U	1.1	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Fluoranthene	mg/kg	0.446	U	U	0.491	U	U	0.147	J	J	0.46	U	U	0.548	U	U
SEMIVOLATILES	Fluorene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Hexachlorobenzene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Hexachlorobutadiene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Hexachloroethane	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Isophorone	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Methylphenol, 2-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Methylphenol, 4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Naphthalene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Nitroaniline, 2-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Nitroaniline, 3-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Nitroaniline, 4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC			TNTC			TNTC			TNTC			TNTC	
LOCATION_CODE			TNTC-SD01			TNTC-SD01			TNTC-SD02			TNTC-SD03			TNTC-SD04	
SAMPLE_NO			AB1001			AB1016			AB1002			AB1003			AB1004	
SAMPLE_DATE			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00	
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE			REG			FD			REG			REG			REG	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Nitrophenol, 2-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Nitrophenol, 4-	mg/kg	0.891	U	U	0.982	U	U	1.14	U	U	0.92	U	U	1.1	U	U
SEMIVOLATILES	Pentachlorophenol	mg/kg	0.891	U	U	0.982	U	U	1.14	U	U	0.92	U	U	1.1	U	U
SEMIVOLATILES	Phenanthrene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Phenol	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Pyrene	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	mg/kg	0.446	U	U	0.491	U	U	0.568	U	U	0.46	U	U	0.548	U	U
PCBS	Aroclor 1016	mg/kg	0.0447	U	UJ	0.0491	U	UJ	0.0574	U	UJ	0.0466	U	UJ	0.277	U	UJ
PCBS	Aroclor 1221	mg/kg	0.0447	U	U	0.0491	U	U	0.0574	U	U	0.0466	U	U	0.277	U	U
PCBS	Aroclor 1232	mg/kg	0.0447	U	U	0.0491	U	U	0.0574	U	U	0.0466	U	U	0.277	U	U
PCBS	Aroclor 1242	mg/kg	0.0447	U	U	0.0491	U	U	0.0574	U	U	0.0466	U	U	0.277	U	U
PCBS	Aroclor 1248	mg/kg	0.0447	U	U	0.0491	U	U	0.0574	U	U	0.0466	U	U	0.277	U	U
PCBS	Aroclor 1254	mg/kg	0.0447	U	U	0.0491	U	U	0.0574	U	U	0.0466	U	U	0.277	U	U
PCBS	Aroclor 1260	mg/kg	0.0894	U	UJ	0.0982	U	UJ	0.115	U	UJ	0.0374	J	J	0.712		J
METALS	Aluminum	mg/kg	15600			15600			4990			8000			3950		
METALS	Antimony	mg/kg	1.61	U	UJ	1.7	U	UJ	1.95	U	UJ	1.57	U	UJ	1.99	U	UJ
METALS	Arsenic	mg/kg	20			24.5			1.63	U	U	3.27			4.97		
METALS	Barium	mg/kg	94.2			83			33.6			42.6			324		
METALS	Beryllium	mg/kg	0.941			0.754			0.272	J	J	0.646			0.356		
METALS	Cadmium	mg/kg	0.728	J	J	0.922			0.365	J	B	0.381	J	B	0.737	J	J
METALS	Calcium	mg/kg	6740		J	6340		J	11500		J	182000		J	5070		J
METALS	Chromium	mg/kg	25.2			19.5			9.35			12.6			9.39		
METALS	Cobalt	mg/kg	18.5			14.1			3.84			7.7			3.93		
METALS	Copper	mg/kg	30.5			38.6			15.4			13		B	10		B
METALS	Iron	mg/kg	44800			39500			11500			16200			34800		
METALS	Lead	mg/kg	15.9			24.1			22.5			14.4			86.3		
METALS	Magnesium	mg/kg	5450			4910			1790			3190			1130		
METALS	Manganese	mg/kg	943			510			154			1130			696		
METALS	Mercury	mg/kg	0.046			0.029	J	J	0.04	J	J	0.029	U	U	0.034	J	J
METALS	Nickel	mg/kg	46.5			41.7			12.1			19.3			11.5		
METALS	Potassium	mg/kg	3280		J	2600		J	1230		J	2160		J	674		J

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME			TNTC			TNTC			TNTC			TNTC			TNTC	
LOCATION_CODE			TNTC-SD01			TNTC-SD01			TNTC-SD02			TNTC-SD03			TNTC-SD04	
SAMPLE_NO			AB1001			AB1016			AB1002			AB1003			AB1004	
SAMPLE_DATE			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00	
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE			REG			FD			REG			REG			REG	
Test Group	Parameter	Units	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	mg/kg	1.17	J	J	1.19	J	J	1.72			1.31	U	U	2.47		
METALS	Silver	mg/kg	0.805	U	U	0.85	U	U	0.975	U	U	0.784	U	U	0.996	U	U
METALS	Sodium	mg/kg	229	J	B	283	J	B	196	J	B	263		B	169	J	B
METALS	Thallium	mg/kg	2.68	U	U	2.83	U	U	3.25	U	U	2.61	U	U	3.32	U	U
METALS	Vanadium	mg/kg	37.9			24.4			12.9			13.4			15.4		
METALS	Zinc	mg/kg	86.7			100			52.9			19.8			58.5		

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD05			TNTC-SD06			TNTC-SD07			TNTC-SD08			TNTC-SD08		
SAMPLE_NO		AB1005			AB1006			AB1007			AB1008			AB1018		
SAMPLE_DATE		19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.126			0.1	U	U	0.0952	U	U	0.385			0.243		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.214			0.1	U	U	0.0952	U	U	0.299			0.378		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U	0.1	U	U	0.0952	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Dinitrotoluene, total	0.204			0.1	U	U	0.0952	U	U	0.246			0.102		
NITROAROMATICS	HMX	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrobenzene	0.1	U	U	0.1	U	U	0.0952	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	RDX	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Tetryl	0.2	U	U	0.2	U	U	0.19	U	U	0.2	U	U	0.2	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.1	U	U	0.1	U	U	0.0952	U	U	0.1	U	U	0.1	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.176			0.0715	J	J	0.0952	U	U	0.706			0.357		
VOLATILES	Acetone	0.0145	U	U	0.0379			0.0126	U	U	0.00563	J	J	0.0128	U	U
VOLATILES	Benzene	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Bromodichloromethane	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Bromoform	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Bromomethane	0.0145	U	U	0.0142	U	U	0.0126	U	U	0.0126	U	U	0.0128	U	U
VOLATILES	Butanone, 2-	0.0145	U	U	0.0142	U	U	0.0126	U	U	0.0126	U	U	0.0128	U	U
VOLATILES	Carbon disulfide	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Carbon tetrachloride	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Chlorobenzene	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Chloroethane	0.0145	U	U	0.0142	U	U	0.0126	U	U	0.0126	U	U	0.0128	U	U
VOLATILES	Chloroform	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Chloromethane	0.0145	U	U	0.0142	U	U	0.0126	U	U	0.0126	U	U	0.0128	U	U
VOLATILES	Dibromochloromethane	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloroethane, 1,1-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloroethane, 1,2-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloroethene, 1,1-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloropropane, 1,2-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD05			TNTC-SD06			TNTC-SD07			TNTC-SD08			TNTC-SD08		
SAMPLE_NO		AB1005			AB1006			AB1007			AB1008			AB1018		
SAMPLE_DATE		19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Hexanone, 2-	0.0145	U	U	0.0142	U	U	0.0126	U	U	0.0126	U	U	0.0128	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0145	U	U	0.0142	U	U	0.0126	U	U	0.0126	U	U	0.0128	U	U
VOLATILES	Methylene chloride	0.00447	J	J	0.0542			0.00547	J	J	0.00476	J	J	0.00257	J	B
VOLATILES	Styrene	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Tetrachloroethene	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Toluene	0.00727	U	U	0.00633	J	J	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Trichloroethene	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Vinyl chloride	0.0145	U	U	0.0142	U	U	0.0126	U	U	0.0126	U	U	0.0128	U	U
VOLATILES	Xylene, o-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
VOLATILES	Xylenes, m,p-	0.00727	U	U	0.00708	U	U	0.00632	U	U	0.0063	U	U	0.00641	U	U
SEMIVOLATILES	Acenaphthene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Acenaphthylene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Anthracene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.485	U	U	0.0553	J	J	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Carbazole	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD05			TNTC-SD06			TNTC-SD07			TNTC-SD08			TNTC-SD08		
SAMPLE_NO		AB1005			AB1006			AB1007			AB1008			AB1018		
SAMPLE_DATE		19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dibenzofuran	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.97	U	UJ	0.938	U	U	0.842	U	UJ	0.839	U	UJ	0.855	U	UJ
SEMIVOLATILES	Dichlorophenol, 2,4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Diethyl phthalate	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dimethyl phthalate	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.97	U	U	0.938	U	U	0.842	U	U	0.839	U	U	0.855	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.97	U	U	0.938	U	U	0.842	U	U	0.839	U	U	0.855	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.485	U	U	0.469	U	U	0.421	U	U	0.101	J	J	0.0757	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Fluoranthene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Fluorene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Hexachlorobenzene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Hexachloroethane	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Isophorone	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Methylphenol, 2-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Methylphenol, 4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Naphthalene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.485	U	UJ	0.469	U	U	0.421	U	UJ	0.42	U	UJ	0.427	U	UJ

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TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD05			TNTC-SD06			TNTC-SD07			TNTC-SD08			TNTC-SD08		
SAMPLE_NO		AB1005			AB1006			AB1007			AB1008			AB1018		
SAMPLE_DATE		19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.97	U	U	0.938	U	U	0.842	U	U	0.839	U	U	0.855	U	U
SEMIVOLATILES	Pentachlorophenol	0.97	U	U	0.938	U	U	0.842	U	U	0.839	U	U	0.855	U	U
SEMIVOLATILES	Phenanthrene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Phenol	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Pyrene	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.485	U	U	0.469	U	U	0.421	U	U	0.42	U	U	0.427	U	U
PCBS	Aroclor 1016	0.0485	U	U	0.0472	U	UJ	0.0421	U	U	0.042	U	U	0.0427	U	U
PCBS	Aroclor 1221	0.0485	U	U	0.0472	U	U	0.0421	U	U	0.042	U	U	0.0427	U	U
PCBS	Aroclor 1232				0.0472	U	U	0.0421	U	U	0.042	U	U	0.0427	U	U
PCBS	Aroclor 1242	0.0485	U	U	0.0472	U	U	0.0421	U	U	0.042	U	U	0.0427	U	U
PCBS	Aroclor 1248	0.0485	U	U	0.0472	U	U	0.0421	U	U	0.042	U	U	0.0427	U	U
PCBS	Aroclor 1254	0.0485	U	U	0.0472	U	U	0.0421	U	U	0.042	U	U	0.0427	U	U
PCBS	Aroclor 1260	0.0969	U	UJ	0.0733	J	J	0.0842	U	UJ	0.0224	J	J	0.036	J	J
METALS	Aluminum	7520			11000			7160			4610			4530		
METALS	Antimony	1.6	U	UJ	1.6	U	UJ	1.46	U	UJ	1.4	U	UJ	1.47	U	UJ
METALS	Arsenic	10.7			25.3			10.3			4.13			5.75		
METALS	Barium	61.9			98.2			65.9			32.4			31.8		
METALS	Beryllium	0.774			0.77			0.613			0.21	J	J	0.283		
METALS	Cadmium	0.907			1.24			0.801			0.371	J	B	0.553	J	B
METALS	Calcium	73300		J	9160		J	83600		J	6480		J	14100		J
METALS	Chromium	13.8			19.5			16.6			8.73			10.3		
METALS	Cobalt	11.9			18.4			11.4			4.7			6.01		
METALS	Copper	35.9			38.8			25.5			9.7		B	13.9		
METALS	Iron	26800			64600			26000			12900			16400		
METALS	Lead	24.9			38.9			14.4			14			13.9		
METALS	Magnesium	3180			4210			8230			1790			3990		
METALS	Manganese	405			1040			516			239			302		
METALS	Mercury	0.037			0.033	J	J	0.039	U	U	0.023	J	J	0.04	U	U
METALS	Nickel	45.5			47.3			31.3			14.6			16.6		
METALS	Potassium	3310		J	2760		J	2680		J	943		J	1290		J

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD05			TNTC-SD06			TNTC-SD07			TNTC-SD08			TNTC-SD08		
SAMPLE_NO		AB1005			AB1006			AB1007			AB1008			AB1018		
SAMPLE_DATE		19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			FD		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	2.23			2.04			0.945	J	J	1.17	U	U	1.22	U	U
METALS	Silver	0.801	U	U	0.801	U	U	0.729	U	U	0.7	U	U	0.733	U	U
METALS	Sodium	272			164	J	B	239	J	J	160	J	J	221	J	J
METALS	Thallium	2.67	U	U	2.67	U	U	2.43	U	U	2.33	U	U	2.44	U	U
METALS	Vanadium	17.6			24.6			20.1			14.2			15.3		
METALS	Zinc	105			131			71.9			33			40.5		

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD09			TNTC-SD10			TNTC-SD11			TNTC-SD12			TNTC-SD13		
SAMPLE_NO		AB1009			AB1010			AB1011			AB1012			AB1013		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	11.2			0.0952	U	U	0.0909	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	12.8			0.0952	U	U	0.0909	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U	0.0952	U	U	0.0909	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Dinitrotoluene, total	0.1	U	U	0.0952	U	U	0.0909	U	U	0.104			0.102		
NITROAROMATICS	HMX	0.2	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrobenzene	0.1	U	U	0.051	J	J	0.0909	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	RDX	0.2	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Tetryl	0.2	U	U	0.19	U	U	0.182	U	U	0.2	U	U	0.19	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.832			0.0952	U	U	0.0909	U	U	0.1	U	U	0.0952	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	1496			0.198			0.0909	U	U	0.0918	J	J	0.0952	U	U
VOLATILES	Acetone	0.0129	U	U	0.00475	J	J	0.00351	J	J	0.0129	U	U	0.0126	U	U
VOLATILES	Benzene	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Bromodichloromethane	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Bromoform	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Bromomethane	0.0129	U	U	0.0131	U	U	0.0135	U	U	0.0129	U	U	0.0126	U	U
VOLATILES	Butanone, 2-	0.0129	U	U	0.0131	U	U	0.0135	U	U	0.0129	U	U	0.0126	U	U
VOLATILES	Carbon disulfide	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Carbon tetrachloride	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Chlorobenzene	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Chloroethane	0.0129	U	U	0.0131	U	U	0.0135	U	U	0.0129	U	U	0.0126	U	U
VOLATILES	Chloroform	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Chloromethane	0.0129	U	U	0.0131	U	U	0.0135	U	U	0.0129	U	U	0.0126	U	U
VOLATILES	Dibromochloromethane	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloroethane, 1,1-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloroethane, 1,2-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloroethene, 1,1-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloropropane, 1,2-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD09			TNTC-SD10			TNTC-SD11			TNTC-SD12			TNTC-SD13		
SAMPLE_NO		AB1009			AB1010			AB1011			AB1012			AB1013		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Hexanone, 2-	0.0129	U	U	0.0131	U	U	0.0135	U	U	0.0129	U	U	0.0126	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0129	U	U	0.0131	U	U	0.0135	U	U	0.0129	U	U	0.0126	U	U
VOLATILES	Methylene chloride	0.00485	J	J	0.00414	J	J	0.00366	J	J	0.00379	J	J	0.00412	J	J
VOLATILES	Styrene	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Tetrachloroethene	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Toluene	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Trichloroethene	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Vinyl chloride	0.0129	U	U	0.0131	U	U	0.0135	U	U	0.0129	U	U	0.0126	U	U
VOLATILES	Xylene, o-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
VOLATILES	Xylenes, m,p-	0.00644	U	U	0.00653	U	U	0.00674	U	U	0.00643	U	U	0.0063	U	U
SEMIVOLATILES	Acenaphthene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Acenaphthylene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Anthracene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.0947	J	J	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.0699	J	J	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	0.12	J	J	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Carbazole	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD09			TNTC-SD10			TNTC-SD11			TNTC-SD12			TNTC-SD13		
SAMPLE_NO		AB1009			AB1010			AB1011			AB1012			AB1013		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.0737	J	J	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dibenzofuran	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.857	U	U	0.87	U	UJ	0.899	U	UJ	0.857	U	UJ	0.84	U	UJ
SEMIVOLATILES	Dichlorophenol, 2,4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Diethyl phthalate	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dimethyl phthalate	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.857	U	U	0.87	U	U	0.899	U	U	0.857	U	U	0.84	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.857	U	U	0.87	U	U	0.899	U	U	0.857	U	U	0.84	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.276	J	J	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.183	J	J	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Fluoranthene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Fluorene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Hexachlorobenzene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Hexachloroethane	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Isophorone	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Methylphenol, 2-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Methylphenol, 4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Naphthalene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.429	U	U	0.435	U	UJ	0.449	U	UJ	0.428	U	UJ	0.42	U	UJ

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD09			TNTC-SD10			TNTC-SD11			TNTC-SD12			TNTC-SD13		
SAMPLE_NO		AB1009			AB1010			AB1011			AB1012			AB1013		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.857	U	U	0.87	U	U	0.899	U	U	0.857	U	U	0.84	U	U
SEMIVOLATILES	Pentachlorophenol	0.857	U	U	0.87	U	U	0.899	U	U	0.857	U	U	0.84	U	U
SEMIVOLATILES	Phenanthrene	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Phenol	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Pyrene	0.11	J	J	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.429	U	U	0.435	U	U	0.449	U	U	0.428	U	U	0.42	U	U
PCBS	Aroclor 1016	0.0429	U	U	0.0435	U	U	0.045	U	U	0.0428	U	U	0.042	U	U
PCBS	Aroclor 1221	0.0429	U	U	0.0435	U	U	0.045	U	U	0.0428	U	U	0.042	U	U
PCBS	Aroclor 1232	0.0429	U	U	0.0435	U	U	0.045	U	U	0.0428	U	U	0.042	U	U
PCBS	Aroclor 1242	0.0429	U	U	0.0435	U	U	0.045	U	U	0.0428	U	U	0.042	U	U
PCBS	Aroclor 1248	0.0429	U	U	0.0435	U	U	0.045	U	U	0.0428	U	U	0.042	U	U
PCBS	Aroclor 1254	0.0429	U	U	0.0435	U	U	0.045	U	U	0.0428	U	U	0.042	U	U
PCBS	Aroclor 1260	0.769		J	0.087	U	UJ	0.0899	U	UJ	0.0807	J	J	0.084	U	UJ
METALS	Aluminum	9210			11300			1600			2900			6310		
METALS	Antimony	1.43	U	UJ	1.46	U	UJ	1.51	U	UJ	1.54	U	UJ	1.39	U	UJ
METALS	Arsenic	12.6			12.2			1.26	U	U	2.41			9.37		
METALS	Barium	84.9			52.3			15.3			22.6			52.8		
METALS	Beryllium	0.498			0.657			0.128	J	J	0.165	J	J	0.413		
METALS	Cadmium	0.675	J	J	0.673	J	J	0.144	J	B	0.303	J	B	0.754		
METALS	Calcium	14300		J	4090		J	1320		J	5430		J	3180		J
METALS	Chromium	12.3			18.3			4.05			5.25			12.5		
METALS	Cobalt	14			9.83			3.44			2.65			8.64		
METALS	Copper	23.8			24			3.22		B	8.31		B	12		
METALS	Iron	21200			27900			5320			7890			24400		
METALS	Lead	46.2			15			2.83			8.66			8.24		
METALS	Magnesium	2660			3700			528			1060			1980		
METALS	Manganese	1230			428			116			58.9			656		
METALS	Mercury	0.156			0.039	U	U	0.042	U	U	0.037	U	U	0.04		
METALS	Nickel	29.1			29.9			7.53		B	6.36		B	22.5		
METALS	Potassium	1240		J	2300		J	284		J	413		J	1010		J

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SD09			TNTC-SD10			TNTC-SD11			TNTC-SD12			TNTC-SD13		
SAMPLE_NO		AB1009			AB1010			AB1011			AB1012			AB1013		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	1.19	U	U	2.2			1.26	U	U	1.46			0.953	J	J
METALS	Silver	0.715	U	U	0.732	U	U	0.756	U	U	0.771	U	U	0.694	U	U
METALS	Sodium	190	J	J	201	J	J	193	J	J	211	J	J	195	J	J
METALS	Thallium	2.38	U	U	2.44	U	U	2.52	U	U	2.57	U	U	2.31	U	U
METALS	Vanadium	21.3			24.8			6.93			13.8			21.2		
METALS	Zinc	61.3			83.4			14.5			21.8			43.9		

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC		
LOCATION_CODE		TNTC-SD14			TNTC-SD15		
SAMPLE_NO		AB1014			AB1015		
SAMPLE_DATE		19-Sep-00			19-Sep-00		
START_DEPTH							
END_DEPTH							
SAMPLE_PURPOSE		REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.1	U	U	2.79		
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.1	U	U	3.25		
NITROAROMATICS	Dinitrobenzene, 1,3-	0.1	U	U	0.0952	U	U
NITROAROMATICS	Dinitrotoluene, total	0.112			0.414		
NITROAROMATICS	HMX	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrobenzene	0.1	U	U	0.0952	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.2	U	U	0.19	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.2	U	U	0.19	U	U
NITROAROMATICS	RDX	0.2	U	U	0.521		
NITROAROMATICS	Tetryl	0.2	U	U	0.19	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.1	U	U	0.0952	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.11			2.9		
VOLATILES	Acetone	0.0126	U	U	0.0116	U	U
VOLATILES	Benzene	0.00631	U	U	0.00578	U	U
VOLATILES	Bromodichloromethane	0.00631	U	U	0.00578	U	U
VOLATILES	Bromoform	0.00631	U	U	0.00578	U	U
VOLATILES	Bromomethane	0.0126	U	U	0.0116	U	U
VOLATILES	Butanone, 2-	0.0126	U	U	0.0116	U	U
VOLATILES	Carbon disulfide	0.00631	U	U	0.00578	U	U
VOLATILES	Carbon tetrachloride	0.00631	U	U	0.00578	U	U
VOLATILES	Chlorobenzene	0.00631	U	U	0.00578	U	U
VOLATILES	Chloroethane	0.0126	U	U	0.0116	U	U
VOLATILES	Chloroform	0.00631	U	U	0.00578	U	U
VOLATILES	Chloromethane	0.0126	U	U	0.0116	U	U
VOLATILES	Dibromochloromethane	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloroethane, 1,1-	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloroethane, 1,2-	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloroethene, 1,1-	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloroethene, cis-1,2-	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloroethene, trans-1,2-	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloropropane, 1,2-	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloropropene, cis-1,3-	0.00631	U	U	0.00578	U	U
VOLATILES	Dichloropropene, trans-1,3-	0.00631	U	U	0.00578	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC		
LOCATION_CODE		TNTC-SD14			TNTC-SD15		
SAMPLE_NO		AB1014			AB1015		
SAMPLE_DATE		19-Sep-00			19-Sep-00		
START_DEPTH							
END_DEPTH							
SAMPLE_PURPOSE		REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	0.00631	U	U	0.00578	U	U
VOLATILES	Hexanone, 2-	0.0126	U	U	0.0116	U	U
VOLATILES	Methyl-2-pentanone, 4-	0.0126	U	U	0.0116	U	U
VOLATILES	Methylene chloride	0.00395	J	B	0.00578	U	U
VOLATILES	Styrene	0.00631	U	U	0.00578	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	0.00631	U	U	0.00578	U	U
VOLATILES	Tetrachloroethene	0.00631	U	U	0.00578	U	U
VOLATILES	Toluene	0.00631	U	U	0.00578	U	U
VOLATILES	Trichloroethane, 1,1,1-	0.00631	U	U	0.00578	U	U
VOLATILES	Trichloroethane, 1,1,2-	0.00631	U	U	0.00578	U	U
VOLATILES	Trichloroethene	0.00631	U	U	0.00578	U	U
VOLATILES	Vinyl chloride	0.0126	U	U	0.0116	U	U
VOLATILES	Xylene, o-	0.00631	U	U	0.00578	U	U
VOLATILES	Xylenes, m,p-	0.00631	U	U	0.00578	U	U
SEMIVOLATILES	Acenaphthene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Acenaphthylene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Anthracene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Benzo(a)anthracene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Benzo(a)pyrene	0.421	U	U	0.0324	J	J
SEMIVOLATILES	Benzo(b)fluoranthene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Benzo(ghi)perylene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	0.421	U	U	0.385	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	0.421	U	U	0.385	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	0.421	U	U	0.385	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	0.0299	J	J	0.385	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Butyl benzyl phthalate	0.421	U	U	0.385	U	U
SEMIVOLATILES	Carbazole	0.421	U	U	0.385	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Chloroaniline, 4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Chlorophenol, 2-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	0.421	U	U	0.385	U	U

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC		
LOCATION_CODE		TNTC-SD14			TNTC-SD15		
SAMPLE_NO		AB1014			AB1015		
SAMPLE_DATE		19-Sep-00			19-Sep-00		
START_DEPTH							
END_DEPTH							
SAMPLE_PURPOSE		REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Di-n-butyl phthalate	0.421	U	U	0.385	U	U
SEMIVOLATILES	Di-n-octyl phthalate	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dibenzofuran	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	0.841	U	U	0.771	U	UJ
SEMIVOLATILES	Dichlorophenol, 2,4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Diethyl phthalate	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dimethyl phthalate	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	0.841	U	U	0.771	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	0.841	U	U	0.771	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	0.421	U	U	0.134	J	J
SEMIVOLATILES	Dinitrotoluene, 2,6-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Fluoranthene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Fluorene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Hexachlorobenzene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Hexachlorobutadiene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Hexachloroethane	0.421	U	U	0.385	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Isophorone	0.421	U	U	0.385	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Methylphenol, 2-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Methylphenol, 4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	0.421	U	U	0.385	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	0.421	U	U	0.385	U	U
SEMIVOLATILES	Naphthalene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Nitroaniline, 2-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Nitroaniline, 3-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Nitroaniline, 4-	0.421	U	U	0.385	U	UJ

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC		
LOCATION_CODE		TNTC-SD14			TNTC-SD15		
SAMPLE_NO		AB1014			AB1015		
SAMPLE_DATE		19-Sep-00			19-Sep-00		
START_DEPTH							
END_DEPTH							
SAMPLE_PURPOSE		REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Nitrophenol, 2-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Nitrophenol, 4-	0.841	U	U	0.771	U	U
SEMIVOLATILES	Pentachlorophenol	0.841	U	U	0.771	U	U
SEMIVOLATILES	Phenanthrene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Phenol	0.421	U	U	0.385	U	U
SEMIVOLATILES	Pyrene	0.421	U	U	0.385	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	0.421	U	U	0.385	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	0.421	U	U	0.385	U	U
PCBS	Aroclor 1016	0.0421	U	U	0.0385	U	U
PCBS	Aroclor 1221	0.0421	U	U	0.0385	U	U
PCBS	Aroclor 1232	0.0421	U	U	0.0385	U	U
PCBS	Aroclor 1242	0.0421	U	U	0.0385	U	U
PCBS	Aroclor 1248	0.0421	U	U	0.0385	U	U
PCBS	Aroclor 1254	0.0421	U	U	0.0385	U	U
PCBS	Aroclor 1260	0.506		J	0.287		J
METALS	Aluminum	1200			2510		
METALS	Antimony	1.44	U	UJ	1.33	U	UJ
METALS	Arsenic	1.14	J	J	2.39		
METALS	Barium	84.3			21		
METALS	Beryllium	0.24	U	U	0.101	J	J
METALS	Cadmium	0.297	J	B	0.254	J	B
METALS	Calcium	1760		J	1610		J
METALS	Chromium	5.24			5.15		
METALS	Cobalt	0.871	J	J	1.31		
METALS	Copper	2.49		B	6.35		B
METALS	Iron	9180			6240		
METALS	Lead	52.5			24.4		
METALS	Magnesium	297			532		
METALS	Manganese	53.4			37.3		
METALS	Mercury	0.146			0.034	J	J
METALS	Nickel	2.23		B	4.14		B
METALS	Potassium	155		J	341		J

Sediment Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC		
LOCATION_CODE		TNTC-SD14			TNTC-SD15		
SAMPLE_NO		AB1014			AB1015		
SAMPLE_DATE		19-Sep-00			19-Sep-00		
START_DEPTH							
END_DEPTH							
SAMPLE_PURPOSE		REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	0.904	J	J	1.16		
METALS	Silver	0.721	U	U	0.667	U	U
METALS	Sodium	187	J	J	180	J	J
METALS	Thallium	2.4	U	U	2.22	U	U
METALS	Vanadium	18.1			9.86		
METALS	Zinc	11.1			17.8		

Surface Water Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE				TNTC-SW01			TNTC-SW01			TNTC-SW02			TNTC-SW03		
SAMPLE_NO				AB2001			AB2016			AB2002			AB2003		
SAMPLE_DATE				18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00		
START_DEPTH															
END_DEPTH															
SAMPLE_PURPOSE				REG			FD			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	HMX	ug/L	N	0.519	U	U	0.519	U	U	0.519	U	U	0.519	U	U
NITROAROMATICS	Nitrobenzene	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	ug/L	N	0.519	U	U	0.519	U	U	0.519	U	U	0.519	U	U
NITROAROMATICS	Nitrotoluene, 3-	ug/L	N	0.519	U	U	0.519	U	U	0.519	U	U	0.519	U	U
NITROAROMATICS	Nitrotoluene, 4-	ug/L	N	0.519	U	U	0.519	U	U	0.519	U	U	0.519	U	U
NITROAROMATICS	RDX	ug/L	N	0.519	U	U	0.519	U	U	0.519	U	U	0.519	U	U
NITROAROMATICS	Tetryl	ug/L	N	0.519	U	U	0.519	U	U	0.519	U	U	0.519	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	ug/L	N	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
VOLATILES	Acetone	ug/L	N	5	U	R	3.58	J	J	5	U	R	5	U	R
VOLATILES	Benzene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	ug/L	N	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	ug/L	N	0.59	J	J	1.61			12.7			2.43		
VOLATILES	Carbon tetrachloride	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dibromochloromethane	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U

Surface Water Data Summary Report
TNT Area C Remedial Investigation
Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE				TNTC-SW01			TNTC-SW01			TNTC-SW02			TNTC-SW03		
SAMPLE_NO				AB2001			AB2016			AB2002			AB2003		
SAMPLE_DATE				18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00		
START_DEPTH															
END_DEPTH															
SAMPLE_PURPOSE				REG			FD			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	ug/L	N	1.13		UB	0.69	J	B	0.74	J	B	0.68	J	B
VOLATILES	Styrene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	ug/L	N	1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Acenaphthylene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Anthracene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Benzo(a)anthracene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Benzo(a)pyrene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Benzo(ghi)perylene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Butyl benzyl phthalate	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Carbazole	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Chloroaniline, 4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Chlorophenol, 2-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC			TNTC			TNTC			TNTC	
LOCATION_CODE				TNTC-SW01			TNTC-SW01			TNTC-SW02			TNTC-SW03	
SAMPLE_NO				AB2001			AB2016			AB2002			AB2003	
SAMPLE_DATE				18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00	
START_DEPTH														
END_DEPTH														
SAMPLE_PURPOSE				REG			FD			REG			REG	
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Di-n-butyl phthalate	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Di-n-octyl phthalate	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dibenzofuran	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	ug/L	N	20.4	U	U	20.6	U	U	22.2	U	U	21.5	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Diethyl phthalate	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dimethyl phthalate	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	ug/L	N	20.4	U	U	20.6	U	U	22.2	U	U	21.5	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	ug/L	N	20.4	U	U	20.6	U	U	22.2	U	U	21.5	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Fluoranthene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Fluorene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Hexachlorobenzene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Hexachlorobutadiene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Hexachloroethane	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Isophorone	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Methylphenol, 2-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Methylphenol, 4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Naphthalene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Nitroaniline, 2-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Nitroaniline, 3-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Nitroaniline, 4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE				TNTC-SW01			TNTC-SW01			TNTC-SW02			TNTC-SW03		
SAMPLE_NO				AB2001			AB2016			AB2002			AB2003		
SAMPLE_DATE				18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00		
START_DEPTH															
END_DEPTH															
SAMPLE_PURPOSE				REG			FD			REG			REG		
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Nitrophenol, 2-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Nitrophenol, 4-	ug/L	N	20.4	U	U	20.6	U	U	22.2	U	U	21.5	U	U
SEMIVOLATILES	Pentachlorophenol	ug/L	N	20.4	U	U	20.6	U	U	22.2	U	U	21.5	U	U
SEMIVOLATILES	Phenanthrene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Phenol	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Pyrene	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	ug/L	N	10.2	U	U	10.3	U	U	11.1	U	U	10.8	U	U
PCBS	Aroclor 1016	ug/L	N	1.02	U	U	1	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1221	ug/L	N	1.02	U	U	1	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1232	ug/L	N	1.02	U	U	1	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1242	ug/L	N	1.02	U	U	1	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1248	ug/L	N	1.02	U	U	1	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1254	ug/L	N	1.02	U	U	1	U	U	1.09	U	U	1.08	U	U
PCBS	Aroclor 1260	ug/L	N	2.04	U	U	2	U	U	2.17	U	U	2.15	U	U
METALS	Aluminum	ug/L	N	454			541			876			176	J	B
METALS	Antimony	ug/L	N	6	U	U	6	U	U	6	U	U	6	U	U
METALS	Arsenic	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Barium	ug/L	N	40.9			38.8			28.1			28		
METALS	Beryllium	ug/L	N	0.144	J	B	0.118	J	B	0.162	J	B	0.122	J	B
METALS	Cadmium	ug/L	N	3	U	U	8.87			3	U	U	3	U	U
METALS	Calcium	ug/L	N	195000			169000			103000			99700		
METALS	Chromium	ug/L	N	1.35	J	J	1.78	J	J	1.93	J	J	2.04	J	J
METALS	Cobalt	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Copper	ug/L	N	1.36	J	J	1.75	J	J	3.82	J	J	5	U	U
METALS	Iron	ug/L	N	455			430			1370			555		
METALS	Lead	ug/L	N	3	U	U	3	U	U	2.57	J	J	2.2	J	J
METALS	Magnesium	ug/L	N	43900			38300			25600			27200		
METALS	Manganese	ug/L	N	69.2			52.7			167			74		
METALS	Mercury	ug/L	N	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
METALS	Nickel	ug/L	N	3.49	J	J	2.86	J	J	5	U	U	5	U	U
METALS	Potassium	ug/L	N	2090			1840			1490			967		

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME				TNTC			TNTC			TNTC			TNTC	
LOCATION_CODE				TNTC-SW01			TNTC-SW01			TNTC-SW02			TNTC-SW03	
SAMPLE_NO				AB2001			AB2016			AB2002			AB2003	
SAMPLE_DATE				18-Sep-00			18-Sep-00			18-Sep-00			18-Sep-00	
START_DEPTH														
END_DEPTH														
SAMPLE_PURPOSE				REG			FD			REG			REG	
Test Group	Parameter	Units	Filtered	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	ug/L	N	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Silver	ug/L	N	3	U	U	3	U	U	3	U	U	3	U	U
METALS	Sodium	ug/L	N	5300			5200			1820			1350		
METALS	Thallium	ug/L	N	10	U	U	10	U	U	10	U	U	10	U	U
METALS	Vanadium	ug/L	N	1.07	J	J	1.25	J	J	2.05	J	J	5	U	U
METALS	Zinc	ug/L	N	4.52	J	J	15	U	U	22.3			6.88	J	J

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW04			TNTC-SW05			TNTC-SW06			TNTC-SW07			TNTC-SW08		
SAMPLE_NO		AB2004			AB2005			AB2006			AB2007			AB2008		
SAMPLE_DATE		18-Sep-00			19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.26	U	U	0.549			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.26	U	U	0.984			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	7.92			0.969			0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	HMX	0.519	U	U	0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrobenzene	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	10.4			0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 3-	1.47			0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	4.3			0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	RDX	0.519	U	U	0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Tetryl	0.519	U	U	0.52	U	U	0.519	U	U	0.52	U	U	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.26	U	U	0.344			0.26	U	U	0.26	U	U	0.26	U	U
VOLATILES	Acetone	5	U	R	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Benzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	5	U	R	5	U	R	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	8.09			1.72			10.5			23.1			8.32		
VOLATILES	Carbon tetrachloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dibromochloromethane	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW04			TNTC-SW05			TNTC-SW06			TNTC-SW07			TNTC-SW08		
SAMPLE_NO		AB2004			AB2005			AB2006			AB2007			AB2008		
SAMPLE_DATE		18-Sep-00			19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	0.6	J	B	0.93	J	B	0.71	J	B	0.75	J	B	0.69	J	B
VOLATILES	Styrene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	1	U	U	1	U	U	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Acenaphthylene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Anthracene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Benzo(a)anthracene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Benzo(a)pyrene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Benzo(b)fluoranthene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Benzo(ghi)perylene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Benzo(k)fluoranthene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Bis(2-chloroethoxy)methane	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Bis(2-chloroethyl)ether	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Butyl benzyl phthalate	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Carbazole	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Chloro-3-methylphenol, 4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Chloroaniline, 4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Chloronaphthalene, 2-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Chlorophenol, 2-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW04			TNTC-SW05			TNTC-SW06			TNTC-SW07			TNTC-SW08		
SAMPLE_NO		AB2004			AB2005			AB2006			AB2007			AB2008		
SAMPLE_DATE		18-Sep-00			19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Di-n-butyl phthalate	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	4.95	J	J
SEMIVOLATILES	Di-n-octyl phthalate	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dibenz(a,h)anthracene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dibenzofuran	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dichlorobenzene, 1,2-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dichlorobenzene, 1,3-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dichlorobenzene, 1,4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	21.1	U	U	20.6	U	U	20.6	U	U	23.5	U	U	21.3	U	UJ
SEMIVOLATILES	Dichlorophenol, 2,4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Diethyl phthalate	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dimethyl phthalate	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dimethylphenol, 2,4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	21.1	U	U	20.6	U	U	20.6	U	U	23.5	U	U	21.3	U	UJ
SEMIVOLATILES	Dinitrophenol, 2,4-	21.1	U	U	20.6	U	U	20.6	U	U	23.5	U	U	21.3	U	UJ
SEMIVOLATILES	Dinitrotoluene, 2,4-	2.57	J	J	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Dinitrotoluene, 2,6-	2.95	J	J	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Fluoranthene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Fluorene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Hexachlorobenzene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Hexachlorobutadiene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Hexachlorocyclopentadiene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Hexachloroethane	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Isophorone	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Methylnaphthalene, 2-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Methylphenol, 2-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Methylphenol, 4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	n-Nitroso-di-n-propylamine	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	n-Nitrosodiphenylamine	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Naphthalene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Nitroaniline, 2-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Nitroaniline, 3-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Nitroaniline, 4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ

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Plum Brook Ordnance Works, Sandusky, Ohio

GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW04			TNTC-SW05			TNTC-SW06			TNTC-SW07			TNTC-SW08		
SAMPLE_NO		AB2004			AB2005			AB2006			AB2007			AB2008		
SAMPLE_DATE		18-Sep-00			19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Nitrophenol, 2-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Nitrophenol, 4-	21.1	U	U	20.6	U	U	20.6	U	U	23.5	U	U	21.3	U	UJ
SEMIVOLATILES	Pentachlorophenol	21.1	U	U	20.6	U	U	20.6	U	U	23.5	U	U	21.3	U	UJ
SEMIVOLATILES	Phenanthrene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Phenol	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Pyrene	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Trichlorophenol, 2,4,5-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
SEMIVOLATILES	Trichlorophenol, 2,4,6-	10.5	U	U	10.3	U	U	10.3	U	U	11.8	U	U	10.6	U	UJ
PCBS	Aroclor 1016	1.02	U	U	1.03	U	U	1.02	U	U	1.14	U	U	1.11	U	U
PCBS	Aroclor 1221	1.02	U	U	1.03	U	U	1.02	U	U	1.14	U	U	1.11	U	U
PCBS	Aroclor 1232	1.02	U	U	1.03	U	U	1.02	U	U	1.14	U	U	1.11	U	U
PCBS	Aroclor 1242	1.02	U	U	1.03	U	U	1.02	U	U	1.14	U	U	1.11	U	U
PCBS	Aroclor 1248	1.02	U	U	1.03	U	U	1.02	U	U	1.14	U	U	1.11	U	U
PCBS	Aroclor 1254	1.02	U	U	1.03	U	U	1.02	U	U	1.14	U	U	1.11	U	U
PCBS	Aroclor 1260	2.04	U	U	2.06	U	UJ	2.04	U	U	2.27	U	UJ	2.22	U	UJ
METALS	Aluminum	1190			1360			3830			543			80.9	J	B
METALS	Antimony	6	U	U	6	U	U	6	U	U	6	U	U	6	U	U
METALS	Arsenic	5	U	U	5	U	U	5	U	U	5	U	U	5	U	U
METALS	Barium	125			48.2			76.3			39.5			32.2		
METALS	Beryllium	0.206	J	B	0.119	J	B	0.316	J	B	0.154	J	B	1	U	U
METALS	Cadmium	3	U	U	3	U	U	3	U	U	2.12	J	J	3	U	U
METALS	Calcium	162000			156000			146000			199000			199000		
METALS	Chromium	2.23	J	J	2	J	J	4.45	J	J	1.16	J	J	5	U	U
METALS	Cobalt	5	U	U	2.77	J	J	2.43	J	J	1.23	J	J	5	U	U
METALS	Copper	1.95	J	J	3	J	J	5.81			1.81	J	J	5	U	U
METALS	Iron	15300			5540			7510			1180			103		B
METALS	Lead	6.89			3	U	U	5.84			3	U	U	3	U	U
METALS	Magnesium	25700			33300			32300			43600			42200		
METALS	Manganese	1230			694			621			392			156		
METALS	Mercury	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U	0.2	U	U
METALS	Nickel	5	U	U	2.86	J	J	5.99			5.48			5.61		
METALS	Potassium	1880			2050			2520			1730			1300		

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GROUP_NAME		TNTC			TNTC			TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW04			TNTC-SW05			TNTC-SW06			TNTC-SW07			TNTC-SW08		
SAMPLE_NO		AB2004			AB2005			AB2006			AB2007			AB2008		
SAMPLE_DATE		18-Sep-00			19-Sep-00			18-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH																
END_DEPTH																
SAMPLE_PURPOSE		REG			REG			REG			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	5	U	U	5	U	U	5	U	U	3.09	J	J	5	U	U
METALS	Silver	3	U	U	3	U	U	3	U	U	3	U	U	3	U	U
METALS	Sodium	2990			2750			5290			5250			5090		
METALS	Thallium	10	U	U	10	U	U	10	U	U	10	U	U	10	U	U
METALS	Vanadium	3	J	J	1.73	J	J	7.12			1.32	J	J	5	U	U
METALS	Zinc	18.2			21.3			24.3			9.84	J	J	4.76	J	J

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GROUP_NAME		TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW08			TNTC-SW10			TNTC-SW11		
SAMPLE_NO		AB2018			AB2010			AB2011		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH										
END_DEPTH										
SAMPLE_PURPOSE		FD			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	0.26	U	UJ	0.332			0.26	U	U
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	0.26	U	UJ	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrobenzene, 1,3-	0.26	U	UJ	0.26	U	U	0.26	U	U
NITROAROMATICS	Dinitrotoluene, total	0.26	U	UJ	0.26	U	U	0.26	U	U
NITROAROMATICS	HMX	0.52	U	UJ	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrobenzene	0.26	U	UJ	0.26	U	U	0.26	U	U
NITROAROMATICS	Nitrotoluene, 2-	0.52	U	UJ	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 3-	0.52	U	UJ	0.52	U	U	0.52	U	U
NITROAROMATICS	Nitrotoluene, 4-	0.52	U	UJ	0.52	U	U	0.52	U	U
NITROAROMATICS	RDX	0.52	U	UJ	0.52	U	U	0.52	U	U
NITROAROMATICS	Tetryl	0.52	U	UJ	0.52	U	U	0.52	U	U
NITROAROMATICS	Trinitrobenzene, 1,3,5-	0.26	U	UJ	0.26	U	U	0.26	U	U
NITROAROMATICS	Trinitrotoluene, 2,4,6-	0.26	U	UJ	0.26	U	U	0.26	U	U
VOLATILES	Acetone	5	U	R	10.8		J	5	U	R
VOLATILES	Benzene	1	U	U	1	U	U	1	U	U
VOLATILES	Bromodichloromethane	1	U	U	1	U	U	1	U	U
VOLATILES	Bromoform	1	U	U	1	U	U	1	U	U
VOLATILES	Bromomethane	1	U	U	1	U	U	1	U	U
VOLATILES	Butanone, 2-	5	U	R	5	U	R	5	U	R
VOLATILES	Carbon disulfide	7.39			10.5			3.12		
VOLATILES	Carbon tetrachloride	1	U	U	1	U	U	1	U	U
VOLATILES	Chlorobenzene	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroethane	1	U	U	1	U	U	1	U	U
VOLATILES	Chloroform	1	U	U	1	U	U	1	U	U
VOLATILES	Chloromethane	1	U	U	1	U	U	1	U	U
VOLATILES	Dibromochloromethane	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,1-	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethane, 1,2-	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, 1,1-	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, cis-1,2-	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloroethene, trans-1,2-	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropane, 1,2-	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, cis-1,3-	1	U	U	1	U	U	1	U	U
VOLATILES	Dichloropropene, trans-1,3-	1	U	U	1	U	U	1	U	U

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GROUP_NAME		TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW08			TNTC-SW10			TNTC-SW11		
SAMPLE_NO		AB2018			AB2010			AB2011		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH										
END_DEPTH										
SAMPLE_PURPOSE		FD			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
VOLATILES	Ethylbenzene	1	U	U	1	U	U	1	U	U
VOLATILES	Hexanone, 2-	5	U	U	5	U	U	5	U	U
VOLATILES	Methyl-2-pentanone, 4-	5	U	U	5	U	U	5	U	U
VOLATILES	Methylene chloride	0.75	J	B	0.75	J	B	0.71	J	B
VOLATILES	Styrene	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethane, 1,1,2,2-	1	U	U	1	U	U	1	U	U
VOLATILES	Tetrachloroethene	1	U	U	1	U	U	1	U	U
VOLATILES	Toluene	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,1-	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethane, 1,1,2-	1	U	U	1	U	U	1	U	U
VOLATILES	Trichloroethene	1	U	U	1	U	U	1	U	U
VOLATILES	Vinyl chloride	1	U	U	1	U	U	1	U	U
VOLATILES	Xylene, o-	1	U	U	1	U	U	1	U	U
VOLATILES	Xylenes, m,p-	1	U	U	1	U	U	1	U	U
SEMIVOLATILES	Acenaphthene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Acenaphthylene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Anthracene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Benzo(a)anthracene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Benzo(a)pyrene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Benzo(b)fluoranthene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Benzo(ghi)perylene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Benzo(k)fluoranthene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Bis(2-chloroethoxy)methane	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Bis(2-chloroethyl)ether	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Bis(2-chloroisopropyl)ether	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Bromophenyl phenyl ether, 4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Butyl benzyl phthalate	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Carbazole	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Chloro-3-methylphenol, 4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Chloroaniline, 4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Chloronaphthalene, 2-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Chlorophenol, 2-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Chlorophenyl phenyl ether, 4-	11.1	U	U	12	U	U	11.4	U	U

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GROUP_NAME		TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW08			TNTC-SW10			TNTC-SW11		
SAMPLE_NO		AB2018			AB2010			AB2011		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH										
END_DEPTH										
SAMPLE_PURPOSE		FD			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Chrysene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Di-n-butyl phthalate	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Di-n-octyl phthalate	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dibenz(a,h)anthracene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dibenzofuran	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dichlorobenzene, 1,2-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dichlorobenzene, 1,3-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dichlorobenzene, 1,4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dichlorobenzidine, 3,3'-	22.2	U	U	24.1	U	U	22.7	U	U
SEMIVOLATILES	Dichlorophenol, 2,4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Diethyl phthalate	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dimethyl phthalate	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dimethylphenol, 2,4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dinitro-2-methylphenol, 4,6-	22.2	U	U	24.1	U	U	22.7	U	U
SEMIVOLATILES	Dinitrophenol, 2,4-	22.2	U	U	24.1	U	U	22.7	U	U
SEMIVOLATILES	Dinitrotoluene, 2,4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Dinitrotoluene, 2,6-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Fluoranthene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Fluorene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Hexachlorobenzene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Hexachlorobutadiene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Hexachlorocyclopentadiene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Hexachloroethane	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Indeno(1,2,3-cd)pyrene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Isophorone	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Methylnaphthalene, 2-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Methylphenol, 2-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Methylphenol, 4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	n-Nitroso-di-n-propylamine	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	n-Nitrosodiphenylamine	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Naphthalene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Nitroaniline, 2-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Nitroaniline, 3-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Nitroaniline, 4-	11.1	U	U	12	U	U	11.4	U	U

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LOCATION_CODE		TNTC-SW08			TNTC-SW10			TNTC-SW11		
SAMPLE_NO		AB2018			AB2010			AB2011		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH										
END_DEPTH										
SAMPLE_PURPOSE		FD			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
SEMIVOLATILES	Nitrobenzene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Nitrophenol, 2-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Nitrophenol, 4-	22.2	U	U	24.1	U	U	22.7	U	U
SEMIVOLATILES	Pentachlorophenol	22.2	U	U	24.1	U	U	22.7	U	U
SEMIVOLATILES	Phenanthrene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Phenol	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Pyrene	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Trichlorobenzene, 1,2,4-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,5-	11.1	U	U	12	U	U	11.4	U	U
SEMIVOLATILES	Trichlorophenol, 2,4,6-	11.1	U	U	12	U	U	11.4	U	U
PCBS	Aroclor 1016	1.12	U	U	1.18	U	U	1.11	U	U
PCBS	Aroclor 1221	1.12	U	U	1.18	U	U	1.11	U	U
PCBS	Aroclor 1232	1.12	U	U	1.18	U	U			
PCBS	Aroclor 1242	1.12	U	U	1.18	U	U	1.11	U	U
PCBS	Aroclor 1248	1.12	U	U	1.18	U	U	1.11	U	U
PCBS	Aroclor 1254	1.12	U	U	1.18	U	U	1.11	U	U
PCBS	Aroclor 1260	2.25	U	UJ	2.35	U	UJ	2.22	U	UJ
METALS	Aluminum	226		B	152	J	B	815		
METALS	Antimony	6	U	U	6	U	U	6	U	U
METALS	Arsenic	5	U	U	5	U	U	5	U	U
METALS	Barium	34.5			80.4			67.1		
METALS	Beryllium	0.138	J	B	0.101	J	B	0.123	J	B
METALS	Cadmium	3	U	U	3	U	U	3	U	U
METALS	Calcium	200000			235000			193000		
METALS	Chromium	5	U	U	5	U	U	1.01	J	J
METALS	Cobalt	5	U	U	5	U	U	4.4	J	J
METALS	Copper	5	U	U	5	U	U	1.29	J	J
METALS	Iron	360			383			1520		
METALS	Lead	3	U	U	1.62	J	J	3	U	U
METALS	Magnesium	43100			51700			37900		
METALS	Manganese	204			1370			3010		
METALS	Mercury	0.2	U	U	0.2	U	U	0.2	U	U
METALS	Nickel	9.75			5	U	U	8.69		
METALS	Potassium	1430			3100			2820		

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GROUP_NAME		TNTC			TNTC			TNTC		
LOCATION_CODE		TNTC-SW08			TNTC-SW10			TNTC-SW11		
SAMPLE_NO		AB2018			AB2010			AB2011		
SAMPLE_DATE		19-Sep-00			19-Sep-00			19-Sep-00		
START_DEPTH										
END_DEPTH										
SAMPLE_PURPOSE		FD			REG			REG		
Test Group	Parameter	Result	Qual	ValQual	Result	Qual	ValQual	Result	Qual	ValQual
METALS	Selenium	3.71	J	J	5	U	U	2.78	J	J
METALS	Silver	3	U	U	3	U	U	3	U	U
METALS	Sodium	5140			4120			5480		
METALS	Thallium	10	U	U	10	U	U	10	U	U
METALS	Vanadium	5	U	U	5	U	U	1.98	J	J
METALS	Zinc	6.07	J	J	27.9			17.5		

APPENDIX D

DATA QUALITY EVALUATION

Appendix D

Data Quality Evaluation
Plum Brook Ordnance Works
TNT Areas A and C Remedial Investigations

D1.0 Introduction

This appendix presents the results of the quality assurance/quality control (QA/QC) protocol implemented during the sampling and analysis portion of the investigations of TNT Area A and TNT Area C. The quality indicators from every aspect of the data collection process have been reviewed, and an assessment of the data with regard to the project specific objectives is presented. The reliability of the sampling and fixed-base laboratory analytical procedures used during the investigations was demonstrated by implementing the project specific quality assurance procedures specified in the site-wide Sampling and Analysis Plan and Quality Assurance Project Plan (IT, 1996a) and its site-specific attachments (SSAP, IT 2000). Successful execution of these procedures provides strong supporting evidence for the acceptance of the laboratory data as representative of the areas under investigation. A complete evaluation of the procedures implemented in the investigations is summarized in this Data Quality Evaluation (DQE).

The DQE for the TNT Area A and TNT Area C investigations is divided into two phases. The first phase includes the discussion of the overall field sampling effort and the field quality control (QC) activities employed. The resulting QC data are presented and compared to the procedures and goals established in the Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP), as well as the verification of the completeness, accuracy and representative nature of the field sampling. The second phase deals with the analytical program and the results of the QC activities employed. An overall comparison to data quality objectives (DQO) was performed as well as a complete data review. Also included is a discussion of the High Performance Liquid Chromatography (HPLC) field screening effort. All elements of data evaluation were compiled and used to determine the usability and overall applicability of the resulting data.

D2.0 Field Sampling Program

Field Quality Control Activities. To ensure the reliability of the field sampling procedures and laboratory analytical data, field QA/QC samples were collected or prepared for each medium

sampled, each sample shipment, and/or each sampling event. These QA/QC samples were used to address any sample variability and uncertainty in procedures.

D2.1 Field Duplicates

The purpose of the field duplicate is to generate data used to evaluate the precision of the sample collection, handling and analysis procedures. Field duplicate samples were collected from the following locations in TNT Area A: TNTA-SO016, TNTA-SO081, TNTA-SO094, TNTA-SO123, TNTA-GW10, TNTA-SW06, and TNTA-SD04. Field duplicate samples were collected from the following locations in TNT Area C: TNTC-SO066, TNTC-SO134, TNTC-SO252, TNTC-SO280, TNTC-GW10, TNTC-SW01, TNTC-SW08, TNTC-SD01, and TNTC-SD08.

It can be difficult to collect true duplicate samples, especially for solid matrices that are inherently more heterogeneous than liquid matrices. Greater variations are seen in the precision data which are measured by calculating the relative percent difference (RPD) between the original sample results and its duplicate results. Higher RPDs are thought to reflect difficulties often encountered during the collection of duplicate samples or sample handling. Wide variations in soil results may be attributed to actual variations in concentrations rather than denoting problems with precision or sampling effectiveness.

All positive concentrations and the calculated RPD for the original sample and/or its duplicate are presented in Tables D-1 to D-8. The RPD results were calculated as follows:

$$RPD = \frac{A - B}{[(A + B)/2]} 100$$

where:

RPD = Relative percent difference
A = Original sample result
B = Duplicate sample result.

When concentrations are detected in only one of the two samples, "NC" is used to represent the RPD, which is "not calculable" for the parameter. There is no quantifiable result available from the "non-detect" sample to be used in the RPD calculation. When "estimated" (J qualified) concentrations are reported, there is a greater potential for increased variability between the primary and duplicate results as reflected in the RPD calculation.

Sample results with RPD values less than 50 are considered acceptable. Within each sampling area, there were results exceeding that value. Results from TNTA-SO016 outside acceptable limits were 2,4,6-trinitrotoluene (86.8 percent), 2,4-dinitrotoluene (121.8 percent), and 2,6-dinitrotoluene (99.7 percent). The inorganic analytes demonstrated good precision. Five analytes from samples collected at TNTA-SO081 exceeded the precision criteria. They were calcium (97.1 percent), magnesium (62.5 percent), 1,3,5-trinitrobenzene (104.6 percent), acetone (97.5 percent), and methylene chloride (80.3 percent). All results from the samples from TNTA-SO094 were within the accepted range. The samples collected from TNTA-SO123 demonstrated good precision for all analytes except acetone (72.4 percent). The groundwater samples from TNTA-GW10 demonstrated good precision overall. Aluminum results were out of the accepted range at 195.9 percent. Two metals detected from the sediments at TNTA-SD04 had RPD values greater than 50 percent – calcium and manganese. Four results from the surface waters from TNTA-SW06 exceeded the acceptable range. RPD values were 108.8 percent for chromium, 85.8 percent for iron, 72.7 percent for lead, and 50.1 percent for di-n-butyl phthalate. Eight analytes from samples at TNTC-SO066 exceeded the acceptable limits. The analytes are antimony, barium, cobalt, manganese, acetone, 2-butanone, carbon disulfide, and methylene chloride. Three organic compounds detected at TNTC-SO134 exceeded limits: Aroclor 1254 (145.8 percent), acetone (104.8 percent), and carbon disulfide (90.1 percent). Samples from taken from 0.5 to 1.5 feet at TNTC-SO252 exceeded acceptable limits for 13 analytes. Precision at the same location at 4 to 6 feet was better. Of analytes detected in both samples, all results were acceptable. Six analytes were detected in either the original or duplicate, but not in both samples. Thirteen analytes exceeded limits in the soils from TNTC-SO280. Groundwater sample results from TNTC-GW10 were precise overall. Four analytes exceeded limits, but two were the result of blank contamination. Zinc (67.2 percent) and 2,4,6-TNT (70.4) were not from blank contamination. Only the manganese RPD (59.6 percent) was out of the acceptable range from the sediments at TNTC-SD01. Five analytes exceeded the acceptable range at TNTC-SD08. They are calcium (74.1 percent), magnesium (76.1 percent), total dinitrotoluene (82.8 percent), 2,4,6-TNT (65.7 percent), and methylene chloride (59.8 percent). Carbon disulfide was the only analyte to exceed acceptance criteria at TNTC-SW01. Three metals at TNTC-SW08 were out of range. Analytes were aluminum (94.6 percent), iron (111 percent), and nickel (53.9 percent).

D2.2 Trip Blanks

Trip blanks (TB) are used to demonstrate that water samples requiring volatile analysis are not exposed to contamination during storage and transport to the laboratory. Trip blanks consist a pair of clean VOA vials filled with ASTM Type II water. They are prepared and preserved at the

lab, transported to the project site, and returned to the lab for storage and analysis. A trip blank accompanied each cooler of aqueous samples requiring VOA analysis. The blanks were analyzed for VOAs. The analytical results exhibited some low-level concentrations of volatiles. Acetone, carbon disulfide, and methylene chloride were reported in the trip blanks. The TB data were used in the validation process by applying the "5X/10X Rule" and associated results were qualified accordingly.

D3.0 Analytical Program

The analytical program determined whether specific compounds were present in the samples collected from the areas investigated. Chemical analyses for this investigation consisted of two phases: field screening and confirmation sampling with fixed-base laboratory analyses. The analyses of confirmation samples were performed in accordance with the guidelines prescribed by the U.S. Environmental Protection Agency (EPA) Test Methods for Evaluating Solid Waste (SW-846), Physical/Chemical Methods, Third Edition, September 1986 and subsequent revisions. The screening samples were analyzed by HPLC using a procedure similar to SW-846 8330. The screening method differs from 8330 in three ways. Sample drying time is limited to one hour. Sonication time is two hours instead of eighteen hours. There is no confirmation analysis. The operating conditions for the instrument are the same. Since there is no confirmation analysis, there is a greater likelihood of false positives. The field samples and associated QA/QC samples were analyzed for volatile organics, semivolatile organics, PCBs, metals, and nitroaromatic explosives using the methods presented in Table 3.1.

All analytical samples collected for the generation of definitive data were reported in comprehensive, CLP-like data packages. A 100% Level III data validation was performed using EPA guidelines presented in the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* dated February 1994. The criteria for blank evaluation were based on those detailed in *Region III Modifications to National Functional Guidelines for Organic Data Review* (September 1994) and *Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses* (April 1993). The regulatory compound/analyte list reported was the Target Compound List (TCL) for organics and the Target Analyte List (TAL) for inorganics. The data packages from laboratory were checked for completeness. All samples were submitted to the laboratory accompanied by a request for analysis/ chain of custody (RFA/COC) form. The RFA portion of the form provides project specific analytical specifications and quality control instructions to the laboratories. A formal chain-of-custody (COC) traceability record was included as part of the document ensuring documentation of custody for sample transportation, storage and eventual disposal by

the laboratory. Copies of all custody documentation are included in the data packages submitted. All samples were received at the laboratory with custody seals intact. Most samples were within the acceptable temperature range of 4 +/- 2 degrees Celsius. One group of screening samples was received at the laboratory out of this range. No action was taken.

D3.1 QA/QC Procedures

The project QA/QC program described in the SAP and QAPP was followed for the sample collection and laboratory analysis of samples. The elements of this program are discussed in the sections that follow. The confirmation sample laboratory analytical program consisted of EPA SW-846 methods with comprehensive, CLP-like deliverables for the generation of definitive data for the investigation. Deliverables included sample preparation information, calibration records, QC data such as method blanks, spikes, duplicates, surrogate recoveries, internal standards, and copies of the RFA and COC records. Chemical analyses for this project were performed following standardized protocols, which include specific requirements for how compounds are analyzed, identified and reported.

Each of the methods employed included specific QA/QC protocols that are used to support the validity of the sampling event and the resulting data. These QA/QC protocols are a critical part of the analytical method and were followed during sample analysis. Specific measures included detailed record keeping procedures, analysis of duplicate samples, instrument calibrations, and the analyses of blanks, surrogate, and internal standards.

D3.1.1 Reporting Limits

The analytical program executed required the use of SW-846 methods which specify the procedures for calculating the Practical Quantitation Limits (PQL), the laboratories' statistically determined reporting limits. Each laboratory is required to demonstrate method performance through method detection limit (MDL) studies for every analysis, media, and instrument. These studies are required to be laboratory specific so that individual laboratory variables such as equipment brands, reagent suppliers, chemist technique, etc. are factored into the performance study. The PQL is statistically supported by the MDL established. The PQL calculation is designed to use the MDL, established using controlled matrices (i.e., distilled water), and adjusts the limit for the analysis of actual environmental sample matrices (i.e., soil, groundwater, etc.). For purposes of clarity and consistency with respect to definition and terminology, the term "reporting limit" has been substituted for PQL when referencing the limit of detection the laboratory reported for each sample and analytical parameter. This value was corrected for all necessary dilution and interference factors for each sample.

Laboratory results were reviewed with respect to the actual reporting limits achieved as compared to the limits presented in the QAAP. Since reporting limits are laboratory-specific and matrix-dependent, they varied from those detailed in the QAAP. Dilution factors of 2 to 10000 resulted in elevated reporting limits for all analyses. The high percentage of moisture in the sediment samples raised reporting limits. Data were reported on a dry-weight basis and reporting limits were adjusted accordingly. The reporting limits the screening analysis by HPLC were the same as for SW-846 8330.

D3.1.2 Holding Times

All laboratory results submitted for the Plum Brook investigation were reviewed with respect to laboratory adherence to analysis holding times. Maximum analytical holding times, as presented in Table 5-1 of the QAPP, were met by the laboratory in most cases. Sample AA2016 from TNTA-SW14 exceeded the holding time for volatile analysis. All results were qualified "J" or "UJ" in validation.

D3.1.3 Method Blanks

Method blanks were analyzed with each analytical "batch" processed. The blanks were carried through the analytical procedure, step-by-step, including the addition of all solvents and other reagents required in the analytical process. The purpose of the blank is to ensure that no contaminants are introduced to the sample as a result of the analytical process, helping to eliminate the element of doubt as to the origin of reported concentrations.

The method blank results reported with the site investigation data were evaluated for high readings characteristic of background or process contamination. There were no significant concentrations detected in the designated blank samples that deem any analytical process out of control or require further corrective action. The volatile compounds found in the method blanks include acetone, methylene chloride, trichloroethene, and toluene. Bis (2-ethylhexyl) phthalate, diethyl phthalate, and di-n-butyl phthalate were detected in the semivolatile method blanks. Almost all of the metals were detected in at least one preparation blank. The concentrations reported for the method blanks submitted should be attributed to laboratory process contamination. Acetone, methylene chloride, and toluene are used as laboratory solvents. Methylene chloride is used in the preparation and extraction of samples for many analyses. Phthalate esters are thought to originate from the extraction portion of the semivolatile analysis either through the safety gloves worn by the extraction technician or other theorized origins.

Most applicable method blank criteria were met for parameters as specified by the method employed and the SAP. Methylene chloride, bis (2-ethylhexyl) phthalate, and toluene were

detected at levels greater than their reporting limits in three method blanks. The laboratory took no corrective actions. The confirmation sample data were qualified by validation where required.

D3.1.4 Laboratory Control Samples

Laboratory control samples (LCS) were used as a measure of accuracy without the influence of matrix. The laboratory control sample is best described as a spiked laboratory blank measured and reported by calculating the percent recovery of the known spiked concentrations. A LCS was analyzed with every batch of samples processed and analyzed. The laboratory statistically derived the control limits applied as required by the method. The review of the LCS data associated with these site investigation data sets showed the data to be within the specified control limits demonstrating accuracy for most analytical processes employed. In the semivolatile LCS associated with samples from TNTA-GW06 and TNTA-GW10, 2-4-dinitrotoluene recovery was below the acceptable limits. Three samples were qualified "J".

D3.1.5 Matrix Spike\Matrix Spike Duplicates

Matrix spikes are used to provide an indication of bias due to matrix effects and a measure of accuracy of associated results. Duplicate analyses, sometimes performed using a matrix spike duplicate in the case of organics analyses, provide a measure of precision in the analytical process. Five matrix spike/matrix spike duplicate (MS/MSD) pairs were analyzed for each of the TNT Area A and C sites. MS/MSD samples were collected from TNTA-SO012, TNTA-SO111, TNTA-GW06, TNTA-SD04, TNTA-SW06, TNTC-SO206, TNTC-SO311, TNTC-SD01, TNTC-SW01, and TNTC-GW10. The observed percent recoveries of the spikes were used to determine accuracy for the analyses. Relative percent difference (RPD) calculations are used to evaluate duplicate sample results for precision. The laboratory statistically determined the acceptance criteria for accuracy and precision. Metals data exhibited variability in accuracy and precision for at least one element in all of the MS/MSD pairs. Accuracy and precision were excellent for all the organic analyses. Associated data were qualified as estimated in the validation process for the affected elements where appropriate.

D3.1.6 Surrogate Standards

Surrogate standards were used in the analytical program to monitor the percent recovery efficiencies of the sample preparation and analytical procedure on a sample-by-sample basis for organic constituents. The surrogate standards used were those required by the analytical method employed. Control limits for the surrogate recovery were determined statistically by the laboratory as required. Volatile analyses exhibited several anomalies in the surrogate standard recoveries. Compounds in eleven soils from TNTA-SO111, TNTA-SO399, TNTC-SO001,

TNTC-SO066, TNTC-SO134, TNTC-SO150, TNTC-SO151, TNTC-SO320, and TNTC-SO397 were qualified "J" or UJ". All nitroaromatic compounds in the sample from TNTC-SW08 were qualified 'UJ' because of low surrogate recovery. All Aroclors in the field duplicate from TNTA-GW10 were qualified 'UJ' for low surrogate recovery in the PCB analysis. Aroclor 1260 was qualified "J" in four samples from TNTA-SO080, TNTC-SO150, and TNTC-SO151 because of high surrogate recovery. Low surrogate recoveries in the semivolatile analysis resulted in qualification of three samples from TNTA-GW01, TNTA-GW03, and TNTC-SW08. All compounds were qualified either "J" or "UJ". Data were estimated in the validation process as a result of these variations, but all data were found to be acceptable as reported and qualified.

D4.0 Data Quality Objectives

DQOs are qualitative and quantitative criteria used to guide sample collection and analysis activities. The DQOs for the project were developed at the outset of the investigation to ensure that the data generated during the execution of the analytical program were of appropriate quality to support the anticipated end use of the data. DQOs describe the level of uncertainty that a decision-maker is willing to accept in results derived from the environmental data. This uncertainty is used to judge the quality of the measurement data, usually in terms of objectives, bias, representativeness, comparability and completeness. DQOs seek to ensure that the right type, amount and quality of data are collected to accomplish the objectives of the project.

The DQOs for this project are to produce scientifically valid data of known accuracy and precision, which are complete with respect to identified critical samples, comparable with similar data types and representative of the media sampled so as to be useful for the cited purposes.

In order to achieve these DQOs, criteria were established in the SAP. The investigation required that all fixed-base laboratory analyses be performed and resulting data reported as definitive data. A non-CLP, (SW-846) method was employed and comprehensive, CLP-like data packages were provided for evaluation of these samples. Definitive data criteria were chosen because compliance with the criteria specified within its guidelines provides quantified concentrations with acceptable reliability for the purposes of the investigation. Most reported confirmation laboratory analytical data met or exceeded the requirements of Level IV QC criteria.

The objective for the screening analysis was to provide quick, reliable analysis for explosive compounds and to be used as a tool to define the areas and extents of contamination.

D5.0 Data Usability

The data review process as presented in this report, compares sample results to pre-established criteria to confirm that the data are of acceptable technical quality. Specific criteria were reviewed which verifies the achievement of all precision, accuracy, completeness, comparability and representativeness goals established to meet the project DQOs. To verify that these objectives were met, field measurements, sampling and handling procedures, laboratory analysis and reporting and all nonconformances and discrepancies in the data were examined to determine compliance with the appropriate and applicable procedures. The results of this review were presented in previous sections. All outliers or nonconformances were discussed where they occurred.

Precision data was obtained through the analysis and evaluation of duplicate QA samples. Accuracy was determined through the analysis and evaluation of method blanks, laboratory control samples, trip blanks and matrix spike samples. These QA samples were collected and/or analyzed at the frequency established in the QAAP, verifying the completeness element of the goals along with the evaluation of holding times, and reporting limits.

Completeness is a measure of the amount of valid data that are obtained during a sampling event. Acetone, 2-butanone, and 2-hexanone were rejected in several samples in all areas because of low relative response factors in initial and continuing calibration standards. It should be noted that the laboratory met the analytical requirements of SW-846 8260B, but did not pass validation criteria.

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. Comparability ensures that results for the sampling event can be compared with data from other past and/or future sampling programs. Comparability for this sampling event was achieved through the use of established and recognized techniques and accepted standard EPA methods. All samples collected and analyzed at the lab were subjected to the same sampling, handling, preparation, analysis, reporting, and validation criteria for the purpose of achieving comparability goals within the data set.

To verify that samples were representative, field data such as field activity daily logs (FADL), sample collection logs, and COC/RFA forms were reviewed. The overall results of the analyses as discussed in this evaluation suggest that representative samples were collected and analyzed with results being indicative of the media analyzed with the exception of the few anomalies noted. Organic chemicals were omitted from consideration if they were common laboratory

contaminants or could be traced to some other source within the analytical investigation process. Overall, the investigation data do reflect expected site conditions.

D6.0 Conclusions

The goals and objectives for the Plum Brook TNT Areas A and C Investigations were to provide information concerning environmental contamination that can be used in making management decisions for the necessity of further work at the site. Specifically, the objectives of the investigation were as follows: define the nature and extent of source areas and determine whether contaminant distribution is consistent with DOD activities. To accomplish this goal, samples were collected and data were generated for the contaminants of potential concern. Evaluation of the data using the specific DQOs established for the project and the data validation process resulted in the determination that the data set from the fixed-base lab is valid and of sufficient quality to meet the objectives of the investigation. Although data was qualified during validation, it is acceptable as qualified.

Table D-1
Field Duplicate Results
TNT Area A Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTA-B142			TNTA-B142			
LOCATION_CODE			TNTA-SO016			TNTA-SO016			
SAMPLE_NO			AA0428			AA0429			
SAMPLE_DATE			25-Sep-00			25-Sep-00			
START_DEPTH			2			2			
END_DEPTH			3			3			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	4810		J	4620		J	4.0
METALS	Arsenic	mg/kg	3.71		J	4.1		J	10.0
METALS	Barium	mg/kg	23.7			19.5			19.4
METALS	Beryllium	mg/kg	0.368			0.338			8.5
METALS	Cadmium	mg/kg	-	-	-	0.092	B	J	NC
METALS	Calcium	mg/kg	6860			8730			24.0
METALS	Chromium	mg/kg	9.4			8.49			10.2
METALS	Cobalt	mg/kg	3.58			3.75			4.6
METALS	Copper	mg/kg	6.31		J	5.51		J	13.5
METALS	Iron	mg/kg	19900			12600			44.9
METALS	Lead	mg/kg	12.2		J	10.4		J	15.9
METALS	Magnesium	mg/kg	1460			1750			18.1
METALS	Manganese	mg/kg	547		J	335		J	48.1
METALS	Nickel	mg/kg	9.65			9.45			2.1
METALS	Potassium	mg/kg	713			666			6.8
METALS	Sodium	mg/kg	135	B	B	148	B	B	9.2
METALS	Vanadium	mg/kg	18			18			0.0
METALS	Zinc	mg/kg	35.8			31.7			12.1
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	1.87			1.5			22.0
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	3.53			2.96			17.6
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.534			0.651			19.7
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.16	J	J	-	-	-	NC
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.0665	J	J	0.0907	J	J	30.8
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.896			2.27			**86.8**
PEST/PCB	Aroclor 1260	mg/kg	0.0328	J	J	0.0329	J	J	0.3
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.551			0.134	J	J	**121.8**
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	0.179	J	J	0.0599	J	J	**99.7**
VOLATILES	Acetone	mg/kg	0.0277			0.0378			30.8
VOLATILES	Carbon disulfide	mg/kg	0.00671			0.00693			3.2
VOLATILES	Methylene chloride	mg/kg	0.0522	B	J	0.0549	B	J	5.0
VOLATILES	Toluene	mg/kg	0.00254	J	J	-	-	-	NC

NOTE: Bold values exceed RPD of 50%

Table D-1
Field Duplicate Results
TNT Area A Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTA-B146			TNTA-B146			
LOCATION_CODE			TNTA-SO081			TNTA-SO081			
SAMPLE_NO			AA0434			AA0435			
SAMPLE_DATE			25-Sep-00			25-Sep-00			
START_DEPTH			0.8			0.8			
END_DEPTH			1.8			1.8			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	6290		J	6500		J	3.3
METALS	Antimony	mg/kg	-	-	-	0.981	B	B	NC
METALS	Arsenic	mg/kg	2.94		J	2.95		J	0.3
METALS	Barium	mg/kg	27.5			30.5			10.3
METALS	Beryllium	mg/kg	0.396			0.413			4.2
METALS	Cadmium	mg/kg	0.193	B	J	0.23	B	J	17.5
METALS	Calcium	mg/kg	11500			33200			**97.1**
METALS	Chromium	mg/kg	11.9			12.6			5.7
METALS	Cobalt	mg/kg	3.76			4.77			23.7
METALS	Copper	mg/kg	17.3		J	19.4		J	11.4
METALS	Iron	mg/kg	11500			13000			12.2
METALS	Lead	mg/kg	50.3		J	53.4		J	6.0
METALS	Magnesium	mg/kg	2190			4180			**62.5**
METALS	Manganese	mg/kg	267		J	326		J	19.9
METALS	Mercury	mg/kg	0.08			0.068			16.2
METALS	Nickel	mg/kg	9.38			12.8			30.8
METALS	Potassium	mg/kg	632			936			38.8
METALS	Sodium	mg/kg	147	B	B	213	B	B	36.7
METALS	Vanadium	mg/kg	20.4			19.4			5.0
METALS	Zinc	mg/kg	51.4			57.7			11.5
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	5.84			6.11			4.5
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	9.59			8.87			7.8
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.178			0.568			**104.6**
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	163	D		140	D		15.2
PEST/PCB	Aroclor 1260	mg/kg	0.0634	J	J	0.071	J	J	11.3
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.173	J	J	0.26	J	J	40.2
VOLATILES	Acetone	mg/kg	0.0636			0.0219			**97.5**
VOLATILES	Methylene chloride	mg/kg	0.037	B	B	0.0158	B	B	**80.3**

NOTE: Bold values exceed RPD of 50%

Table D-1
Field Duplicate Results
TNT Area A Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTA-B182			TNTA-B182			
LOCATION_CODE			TNTA-SO094			TNTA-SO094			
SAMPLE_NO			AA0437			AA0438			
SAMPLE_DATE			22-Sep-00			22-Sep-00			
START_DEPTH			2			2			
END_DEPTH			3			3			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	7060		J	8210		J	15.1
METALS	Antimony	mg/kg	-	-	-	0.602	B	B	NC
METALS	Arsenic	mg/kg	10.9		J	10.6		J	2.8
METALS	Barium	mg/kg	20.1		J	22.5		J	11.3
METALS	Beryllium	mg/kg	0.497			0.435			13.3
METALS	Cadmium	mg/kg	0.189	B	B	0.239	B	B	23.4
METALS	Calcium	mg/kg	1330		J	1530		J	14.0
METALS	Chromium	mg/kg	10.2		J	10.8		J	5.7
METALS	Cobalt	mg/kg	5.38			7.3			30.3
METALS	Copper	mg/kg	22.3		J	20.8		J	7.0
METALS	Iron	mg/kg	19400			19200			1.0
METALS	Lead	mg/kg	19.8		J	24.4		J	20.8
METALS	Magnesium	mg/kg	1060		J	1260		J	17.2
METALS	Manganese	mg/kg	276		J	405		J	37.9
METALS	Mercury	mg/kg	0.035			0.029	J	J	18.8
METALS	Nickel	mg/kg	22.7			21.1			7.3
METALS	Potassium	mg/kg	1080			916			16.4
METALS	Selenium	mg/kg	1.24			1.02	B		19.5
METALS	Sodium	mg/kg	158	B	B	163	B	B	3.1
METALS	Vanadium	mg/kg	21.7			23.2			6.7
METALS	Zinc	mg/kg	76.5		J	86.6		J	12.4
PEST/PCB	Aroclor 1260	mg/kg	0.0479	J	J	0.0572	J	J	17.7
SEMIVOLATILES	Di-n-butyl phthalate	mg/kg	-	-	-	0.13	J	U	NC
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.803			-	-	-	NC
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	0.108	J	J	0.102	J	J	5.7
VOLATILES	Acetone	mg/kg	0.0579			0.0515			11.7
VOLATILES	Butanone, 2-	mg/kg	-	-	-	0.00477	J	J	NC
VOLATILES	Methylene chloride	mg/kg	0.00666		B	0.0057		B	15.5

NOTE: Bold values exceed RPD of 50%

Table D-1
Field Duplicate Results
TNT Area A Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTA-B112			TNTA-B112			
LOCATION_CODE			TNTA-SO123			TNTA-SO123			
SAMPLE_NO			AA0442			AA0443			
SAMPLE_DATE			22-Sep-00			22-Sep-00			
START_DEPTH			2			2			
END_DEPTH			3			3			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	4660		J	4420		J	5.3
METALS	Arsenic	mg/kg	3.71		J	3.2		J	14.8
METALS	Barium	mg/kg	24.6		J	40.9		J	49.8
METALS	Beryllium	mg/kg	0.179	B		0.181	B		1.1
METALS	Cadmium	mg/kg	1.15			1.2			4.3
METALS	Calcium	mg/kg	13600		J	12900		J	5.3
METALS	Chromium	mg/kg	7.52		J	7.76		J	3.1
METALS	Cobalt	mg/kg	3.05			2.87			6.1
METALS	Copper	mg/kg	8.26		J	7.43		J	10.6
METALS	Iron	mg/kg	9280			8700			6.5
METALS	Lead	mg/kg	115		J	122		J	5.9
METALS	Magnesium	mg/kg	3350		J	3210		J	4.3
METALS	Manganese	mg/kg	218		J	203		J	7.1
METALS	Mercury	mg/kg	0.049			0.049			0.0
METALS	Nickel	mg/kg	8.96			8.11			10.0
METALS	Potassium	mg/kg	572			537			6.3
METALS	Sodium	mg/kg	249		B	238		B	4.5
METALS	Vanadium	mg/kg	14.7			14.1			4.2
METALS	Zinc	mg/kg	241		J	238		J	1.3
PEST/PCB	Aroclor 1260	mg/kg	0.507		J	0.467			8.2
VOLATILES	Acetone	mg/kg	0.114			0.0534			**72.4**
VOLATILES	Carbon disulfide	mg/kg	0.00218	J	J	-	-	-	NC
VOLATILES	Methylene chloride	mg/kg	0.00376	J	B	0.00353	J	B	6.3

Table D-2
Field Duplicate Results
TNT Area A Groundwater
Former Plum Brook Ordnance Works

GROUP_NAME			TNTA-B185			TNTA-B185			
LOCATION_CODE			TNTA-GW10			TNTA-GW10			
SAMPLE_NO			AA3010			AA3011			
SAMPLE_DATE			26-Sep-00			26-Sep-00			
START_DEPTH			8			8			
END_DEPTH			9			9			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	ug/L	38.4	B	B	3710			**195.9**
METALS	Barium	ug/L	23.4			21.8			7.1
METALS	Cadmium	ug/L	0.702	B	J	0.448	B	J	44.2
METALS	Calcium	ug/L	237000			233000			1.7
METALS	Chromium	ug/L	1.24	B	J	-	-	-	NC
METALS	Cobalt	ug/L	5.73			4.43	B	J	25.6
METALS	Copper	ug/L	3.52	B	B	-	-	-	NC
METALS	Iron	ug/L	39.1	B	B	-	-	-	NC
METALS	Lead	ug/L	2.03	B	B	-	-	-	NC
METALS	Magnesium	ug/L	20300			27700			30.8
METALS	Manganese	ug/L	1900			1920			1.0
METALS	Nickel	ug/L	11			9.08			19.1
METALS	Potassium	ug/L	2210			2150			2.8
METALS	Sodium	ug/L	7390			6730			9.3
METALS	Vanadium	ug/L	1.59	B	J	-	-	-	NC
METALS	Zinc	ug/L	37.2			28.3			27.2
NITROAROMATICS	Dinitrotoluene, total	ug/L	13800			8650			45.9
NITROAROMATICS	Nitrotoluene, 2-	ug/L	-	-	-	26.6			NC
NITROAROMATICS	Nitrotoluene, 3-	ug/L	27.8			29.5			5.9
NITROAROMATICS	Nitrotoluene, 4-	ug/L	8.35			10.3			20.9
NITROAROMATICS	Trinitrotoluene, 2,4,6-	ug/L	50.9			62			19.7
SEMIVOLATILES	Dinitrotoluene, 2,4-	ug/L	5750			6760			16.1
SEMIVOLATILES	Dinitrotoluene, 2,6-	ug/L	5610			6400			13.2
VOLATILES	Chloromethane	ug/L	0.53	J	J	-	-	-	NC
VOLATILES	Methylene chloride	ug/L	0.89	JB	B	0.99	JB	B	10.6

NOTE: Bold values exceed RPD of 50 %

Table D-3
Field Duplicate Results
TNT Area A Sediment
Former Plum Brook Ordnance Works

GROUP_NAME			TNTA			TNTA			
LOCATION_CODE			TNTA-SD04			TNTA-SD04			
SAMPLE_NO			AA1004			AA1011			
SAMPLE_DATE			20-Sep-00			20-Sep-00			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	7730			8340			7.6
METALS	Arsenic	mg/kg	2.09			3.38			47.2
METALS	Barium	mg/kg	18.6			19.3			3.7
METALS	Beryllium	mg/kg	0.452		B	0.418		B	7.8
METALS	Calcium	mg/kg	4080			6970			**52.3**
METALS	Chromium	mg/kg	12.8			13.6			6.1
METALS	Cobalt	mg/kg	4.27			5.11			17.9
METALS	Copper	mg/kg	5.38			5.37			0.2
METALS	Iron	mg/kg	11700			14300			20.0
METALS	Lead	mg/kg	5.8			5.49			5.5
METALS	Magnesium	mg/kg	1950			2180			11.1
METALS	Manganese	mg/kg	97.5			170			**54.2**
METALS	Mercury	mg/kg	0.025	J	J	0.022	J	J	12.8
METALS	Nickel	mg/kg	12.6			13.8			9.1
METALS	Potassium	mg/kg	1140			1140			0.0
METALS	Sodium	mg/kg	108	J	J	69.7	J	J	43.1
METALS	Vanadium	mg/kg	18.1			18.4			1.6
METALS	Zinc	mg/kg	27.5			28.4			3.2
VOLATILES	Acetone	mg/kg	0.00859	J	J	0.0129	J	J	40.1
VOLATILES	Methylene chloride	mg/kg	0.0283		B	0.0297		B	4.8

NOTE: Bold values exceed RPD of 50%

Table D-4
Field Duplicate Results
TNT Area A Surface Water
Former Plum Brook Ordnance Works

GROUP_NAME			TNTA			TNTA			
LOCATION_CODE			TNTA-SW06			TNTA-SW06			
SAMPLE_NO			AA2006			AA2011			
SAMPLE_DATE			20-Sep-00			20-Sep-00			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	ug/L	101	J	J	134	J	J	28.1
METALS	Barium	ug/L	24.2			24.5			1.2
METALS	Beryllium	ug/L	0.109	J	J	-	-	-	NC
METALS	Calcium	ug/L	35700			36200			1.4
METALS	Chromium	ug/L	4.49	J	J	15.2			**108.8**
METALS	Copper	ug/L	6.63			5.93			11.1
METALS	Iron	ug/L	687		J	1720		J	**85.8**
METALS	Lead	ug/L	2.55	J	J	5.46			**72.7**
METALS	Magnesium	ug/L	8970			9230			2.9
METALS	Manganese	ug/L	48.6			58.9			19.2
METALS	Nickel	ug/L	-	-	-	3.18	J	B	NC
METALS	Potassium	ug/L	2000			2110			5.4
METALS	Sodium	ug/L	10100		J	10100		J	0.0
SEMIVOLATILES	Di-n-butyl phthalate	ug/L	1.3	J	J	2.17	J	J	**50.1**
VOLATILES	Carbon disulfide	ug/L	6.45			-	-	-	NC
VOLATILES	Methylene chloride	ug/L	2.05		B	3.32		B	47.3

NOTE: Bold values exceed RPD of 50%

Table D-5
Field Duplicate Results
TNT Area C Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC-B629			TNTC-B629			
LOCATION_CODE			TNTC-SO066			TNTC-SO066			
SAMPLE_NO			AB0429			AB0427			
SAMPLE_DATE			27-Sep-00			27-Sep-00			
START_DEPTH			0			0			
END_DEPTH			1			1			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	6560		J	5770		J	12.8
METALS	Antimony	mg/kg	8.15		J	0.842	B	J	**162.5**
METALS	Arsenic	mg/kg	7.55			6.81			10.3
METALS	Barium	mg/kg	365			137			**90.8**
METALS	Beryllium	mg/kg	0.602			0.5			18.5
METALS	Cadmium	mg/kg	-	-	-	0.146	B	J	NC
METALS	Calcium	mg/kg	18500		J	19700		J	6.3
METALS	Chromium	mg/kg	11			8.59			24.6
METALS	Cobalt	mg/kg	9.63			5.36			**57.0**
METALS	Copper	mg/kg	17.1		J	13		J	27.2
METALS	Iron	mg/kg	35500			28800			20.8
METALS	Lead	mg/kg	132		J	137		J	3.7
METALS	Magnesium	mg/kg	5780		J	6330		J	9.1
METALS	Manganese	mg/kg	5160			2440			**71.6**
METALS	Mercury	mg/kg	0.048			0.037	B	J	25.9
METALS	Nickel	mg/kg	15.8			13.4			16.4
METALS	Potassium	mg/kg	800			803			0.4
METALS	Silver	mg/kg	-	-	-	0.459	B	J	NC
METALS	Sodium	mg/kg	223	B	J	215	B	J	3.7
METALS	Vanadium	mg/kg	16			13.8			14.8
METALS	Zinc	mg/kg	93.1			77			18.9
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	0.0721	J	J	0.103			35.3
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.0538	J	J	0.0885	J	J	48.8
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.451			0.313			36.1
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.164			0.231			33.9
PEST/PCB	Aroclor 1260	mg/kg	5.07			4.68			8.0
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.239	J	J	0.221	J	J	7.8
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	0.0668	J	J	0.0563	J	J	17.1
VOLATILES	Acetone	mg/kg	0.445			0.224			**66.1**
VOLATILES	Butanone, 2-	mg/kg	0.0818			0.0415			**65.4**
VOLATILES	Carbon disulfide	mg/kg	0.0123			0.005	J	J	**84.4**
VOLATILES	Methylene chloride	mg/kg	0.0188	B	B	0.00844	B	B	**76.1**

NOTE: Bold values exceed RPD of 50%

Table D-5
Field Duplicate Results
TNT Area C Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC-B602			TNTC-B602			
LOCATION_CODE			TNTC-SO134			TNTC-SO134			
SAMPLE_NO			AB0436			AB0434			
SAMPLE_DATE			26-Sep-00			26-Sep-00			
START_DEPTH			2.5			2.5			
END_DEPTH			3.5			3.5			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	5490		J	5850		J	6.3
METALS	Arsenic	mg/kg	3.95			2.82			33.4
METALS	Barium	mg/kg	30.5		J	28.2		J	7.8
METALS	Beryllium	mg/kg	0.36			0.383			6.2
METALS	Cadmium	mg/kg	-	-	-	0.097	B	J	NC
METALS	Calcium	mg/kg	35800		J	40800		J	13.1
METALS	Chromium	mg/kg	8.44			9.71			14.0
METALS	Cobalt	mg/kg	6.29			6.11			2.9
METALS	Copper	mg/kg	11.1			8.82			22.9
METALS	Iron	mg/kg	13100			12900			1.5
METALS	Lead	mg/kg	21.6		J	20.7		J	4.3
METALS	Magnesium	mg/kg	2230			2530			12.6
METALS	Manganese	mg/kg	484			469			3.1
METALS	Nickel	mg/kg	18.4			18			2.2
METALS	Potassium	mg/kg	1250			1490			17.5
METALS	Sodium	mg/kg	196	B	B	188	B	B	4.2
METALS	Vanadium	mg/kg	9.69			9.7			0.1
METALS	Zinc	mg/kg	55.1			46.3			17.4
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	0.146			0.213			37.3
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.108			0.164			41.2
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.165			0.214			25.9
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.049	J	J	0.0753	J	J	42.3
PEST/PCB	Aroclor 1254	mg/kg	0.46			0.0721			**145.8**
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.0732	J	J	0.0733	J	J	0.1
VOLATILES	Acetone	mg/kg	0.0535		J	0.0167		J	**104.8**
VOLATILES	Benzene	mg/kg	-	-	-	0.0021	J	J	NC
VOLATILES	Carbon disulfide	mg/kg	0.00379	J	J	0.01		J	**90.1**
VOLATILES	Methylene chloride	mg/kg	0.00878	JB	B	0.00574	JB	B	41.9
VOLATILES	Toluene	mg/kg	-	-	-	0.00354	J	J	NC

NOTE: Bold values exceed RPD of 50%

Table D-5
Field Duplicate Results
TNT Area C Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC-B616			TNTC-B616			
LOCATION_CODE			TNTC-SO252			TNTC-SO252			
SAMPLE_NO			AB0451			AB0449			
SAMPLE_DATE			27-Sep-00			27-Sep-00			
START_DEPTH			0.5			0.5			
END_DEPTH			1.5			1.5			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	3880		J	5100		J	27.2
METALS	Antimony	mg/kg	1.03	B	J	0.618	B	J	**50.0**
METALS	Arsenic	mg/kg	3.75			5.27			33.7
METALS	Barium	mg/kg	19.6			27.2			32.5
METALS	Beryllium	mg/kg	0.294			0.344			15.7
METALS	Cadmium	mg/kg	0.163	B	J	0.357	B	J	**74.6**
METALS	Calcium	mg/kg	5710		J	20100		J	**111.5**
METALS	Chromium	mg/kg	38			11.1			**109.6**
METALS	Cobalt	mg/kg	3.45			4.53			27.1
METALS	Copper	mg/kg	13.1		J	27		J	**69.3**
METALS	Iron	mg/kg	11500			15600			30.3
METALS	Lead	mg/kg	117		J	447		J	**117.0**
METALS	Magnesium	mg/kg	1600		J	3570		J	**76.2**
METALS	Manganese	mg/kg	119			245			**69.2**
METALS	Mercury	mg/kg	0.247			0.294			17.4
METALS	Nickel	mg/kg	24.9			14.1			**55.4**
METALS	Potassium	mg/kg	507			990			**64.5**
METALS	Sodium	mg/kg	252			282			11.2
METALS	Vanadium	mg/kg	18			17			5.7
METALS	Zinc	mg/kg	55.4			81.7			38.4
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	4.78			2.91			48.6
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	3.77			3.81			1.1
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.0829	J	J	0.0727	J	J	13.1
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.57			0.974			**52.3**
NITROAROMATICS	Nitrobenzene	mg/kg	0.283			0.335			16.8
NITROAROMATICS	Nitrotoluene, 3-	mg/kg	0.462			0.177			**89.2**
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	0.966			1.16			18.3
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	681			952			33.2
PEST/PCB	Aroclor 1260	mg/kg	0.41			0.464			12.4
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.899	J	J	-	-	-	NC
VOLATILES	Acetone	mg/kg	0.0438			0.0279			44.4
VOLATILES	Butanone, 2-	mg/kg	0.015			-	-	-	NC
VOLATILES	Carbon disulfide	mg/kg	0.00347	J	J	-	-	-	NC
VOLATILES	Methylene chloride	mg/kg	0.00772	B	B	0.0211	B		**92.9**

NOTE: Bold values exceed RPD of 50%

Table D-5
Field Duplicate Results
TNT Area C Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC-B616			TNTC-B616			
LOCATION_CODE			TNTC-SO252			TNTC-SO252			
SAMPLE_NO			AB0473			AB0474			
SAMPLE_DATE			29-Sep-00			29-Sep-00			
START_DEPTH			4			4			
END_DEPTH			6			6			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	11000			10800			1.8
METALS	Antimony	mg/kg	-	-	-	1.15	B	J	NC
METALS	Arsenic	mg/kg	18.5			13.2			33.4
METALS	Barium	mg/kg	62.3			43			36.7
METALS	Beryllium	mg/kg	0.683			0.633			7.6
METALS	Calcium	mg/kg	34700			50800			37.7
METALS	Chromium	mg/kg	17.2			17.3			0.6
METALS	Cobalt	mg/kg	10.8			12.1			11.4
METALS	Copper	mg/kg	29.7			27.2			8.8
METALS	Iron	mg/kg	27600			25600			7.5
METALS	Lead	mg/kg	14.6			13.4			8.6
METALS	Magnesium	mg/kg	10300			14000			30.5
METALS	Manganese	mg/kg	295			426			36.3
METALS	Mercury	mg/kg	0.019	B	J	0.019	B	J	0.0
METALS	Nickel	mg/kg	31.9			33			3.4
METALS	Potassium	mg/kg	2690			2830			5.1
METALS	Sodium	mg/kg	264			253			4.3
METALS	Vanadium	mg/kg	20.9			19.8			5.4
METALS	Zinc	mg/kg	91.4			83.9			8.6
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.275			-	-	-	NC
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.121			-	-	-	NC
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	1.32			-	-	-	NC
SEMIVOLATILES	Bis(2-ethylhexyl)phthalate	mg/kg	0.0207	J	J	-	-	-	NC
VOLATILES	Methylene chloride	mg/kg	-	-	-	0.00138	JB	B	NC

NOTE: Bold values exceed RPD of 50%

Table D-5
Field Duplicate Results
TNT Area C Soils
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC-B682			TNTC-B682			
LOCATION_CODE			TNTC-SO280			TNTC-SO280			
SAMPLE_NO			AB0454			AB0452			
SAMPLE_DATE			27-Sep-00			27-Sep-00			
START_DEPTH			0.25			0.25			
END_DEPTH			1.25			1.25			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	1870		J	2550		J	26.7
METALS	Arsenic	mg/kg	3.83			4.32			11.3
METALS	Barium	mg/kg	30.3			17.4			**74.1**
METALS	Beryllium	mg/kg	0.159	B	J	0.191	B	J	16.8
METALS	Cadmium	mg/kg	-	-	-	0.138	B	J	NC
METALS	Calcium	mg/kg	959		J	21400		J	**95.5**
METALS	Chromium	mg/kg	3.04			4.5			32.4
METALS	Cobalt	mg/kg	1.14			2.23			48.9
METALS	Copper	mg/kg	6.38		J	8.64		J	26.2
METALS	Iron	mg/kg	5520			7620			27.6
METALS	Lead	mg/kg	97		J	65.1		J	49.0
METALS	Magnesium	mg/kg	388		J	3550		J	**89.1**
METALS	Manganese	mg/kg	46.7			103			**54.7**
METALS	Mercury	mg/kg	0.034			0.055			38.2
METALS	Nickel	mg/kg	3.3			5.56			40.6
METALS	Potassium	mg/kg	390			333			17.1
METALS	Sodium	mg/kg	163	B	J	230			29.1
METALS	Vanadium	mg/kg	6.56			7.81			16.0
METALS	Zinc	mg/kg	25.2			57.7			**56.3**
NITROAROMATICS	Dinitrobenzene, 1,3-	mg/kg	0.566			0.336			**68.5**
NITROAROMATICS	Dinitrotoluene, total	mg/kg	22.1			11.3			**95.6**
NITROAROMATICS	Nitrobenzene	mg/kg	0.227			0.126			**80.2**
NITROAROMATICS	Trinitrobenzene, 1,3,5-	mg/kg	10.1			5.48			**84.3**
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	54969			27553			**99.5**
PEST/PCB	Aroclor 1260	mg/kg	0.883			1.1			19.7
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	13.9			5.79			**140.1**
SEMIVOLATILES	Dinitrotoluene, 2,6-	mg/kg	8.43			4.41			**91.2**
VOLATILES	Acetone	mg/kg	0.118			0.176			33.0
VOLATILES	Carbon disulfide	mg/kg	-	-	-	0.00319	J	J	NC
VOLATILES	Methylene chloride	mg/kg	0.00831	B	B	0.00457	JB	B	**81.8**

NOTE: Bold values exceed RPD of 50%

Table D-6
Field Duplicate Results
TNT Area C Groundwater
Former Plum Brook Ordnance Works

LOCATION_CODE			TNTC-GW10			TNTC-GW10			
SAMPLE_NO			AB3010			AB3011			
SAMPLE_DATE			27-Sep-00			27-Sep-00			
START_DEPTH			4			4			
END_DEPTH			6			6			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Barium	ug/L	21.5			18.2			16.6
METALS	Calcium	ug/L	147000			152000			3.3
METALS	Cobalt	ug/L	-	-	-	1.62	B	J	NC
METALS	Copper	ug/L	3.23	B	B	6.18		B	**62.7**
METALS	Iron	ug/L	-	-	-	2080			NC
METALS	Magnesium	ug/L	12100			13600			11.7
METALS	Manganese	ug/L	115			137			17.5
METALS	Mercury	ug/L	0.105	B	J	-	-	-	NC
METALS	Nickel	ug/L	-	-	-	4.66	B	J	NC
METALS	Potassium	ug/L	6020			6000			0.3
METALS	Selenium	ug/L	-	-	-	3.36	B	B	NC
METALS	Silver	ug/L	-	-	-	0.955	B	J	NC
METALS	Sodium	ug/L	2900			3530			19.6
METALS	Vanadium	ug/L	1.02	B	J	-	-	-	NC
METALS	Zinc	ug/L	16.5			33.2			**67.2**
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	ug/L	21.1			18.1			15.3
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	ug/L	15.1			13.1			14.2
NITROAROMATICS	Dinitrotoluene, total	ug/L	7.9			5.9			29.0
NITROAROMATICS	Nitrotoluene, 2-	ug/L	2.61			2.26			14.4
NITROAROMATICS	Nitrotoluene, 3-	ug/L	0.481	J	J	0.367	J	J	26.9
NITROAROMATICS	Nitrotoluene, 4-	ug/L	0.396	J	J	0.429	J	J	8.0
NITROAROMATICS	Trinitrotoluene, 2,4,6-	ug/L	9.7			4.65			**70.4**
SEMIVOLATILES	Di-n-butyl phthalate	ug/L	-	-	-	4.92	J	J	NC
SEMIVOLATILES	Dinitrotoluene, 2,4-	ug/L	4.05	J	J	3.72	J	J	8.5
SEMIVOLATILES	Dinitrotoluene, 2,6-	ug/L	2.4	J	J	2.1	J	J	13.3
VOLATILES	Methylene chloride	ug/L	0.71	J	B	1.67		B	**80.7**

NOTE: Bold values exceed RPD of 50%

Table D-7
Field Duplicate Results
TNT Area C Sediment
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC			TNTC			
LOCATION_CODE			TNTC-SD01			TNTC-SD01			
SAMPLE_NO			AB1001			AB1016			
SAMPLE_DATE			18-Sep-00			18-Sep-00			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	15600			15600			0.0
METALS	Arsenic	mg/kg	20			24.5			20.2
METALS	Barium	mg/kg	94.2			83			12.6
METALS	Beryllium	mg/kg	0.941			0.754			22.1
METALS	Cadmium	mg/kg	0.728	J	J	0.922			23.5
METALS	Calcium	mg/kg	6740		J	6340		J	6.1
METALS	Chromium	mg/kg	25.2			19.5			25.5
METALS	Cobalt	mg/kg	18.5			14.1			27.0
METALS	Copper	mg/kg	30.5			38.6			23.4
METALS	Iron	mg/kg	44800			39500			12.6
METALS	Lead	mg/kg	15.9			24.1			41.0
METALS	Magnesium	mg/kg	5450			4910			10.4
METALS	Manganese	mg/kg	943			510			**59.6**
METALS	Mercury	mg/kg	0.046			0.029	J	J	45.3
METALS	Nickel	mg/kg	46.5			41.7			10.9
METALS	Potassium	mg/kg	3280		J	2600		J	23.1
METALS	Selenium	mg/kg	1.17	J	J	1.19	J	J	1.7
METALS	Sodium	mg/kg	229	J	B	283	J	B	21.1
METALS	Vanadium	mg/kg	37.9			24.4			43.3
METALS	Zinc	mg/kg	86.7			100			14.2
SEMIVOLATILES	Di-n-butyl phthalate	mg/kg	0.0677	J	J	0.0727	J	J	7.1
VOLATILES	Acetone	mg/kg	0.0187		B	0.0196		B	4.7
VOLATILES	Benzene	mg/kg	0.00341	J	J	-	-	-	NC
VOLATILES	Butanone, 2-	mg/kg	0.00987	J	J	-	-	-	NC
VOLATILES	Methylene chloride	mg/kg	0.0275		B	0.0338		B	20.6

NOTE: Bold values exceed RPD of 50%

Table D-7
Field Duplicate Results
TNT Area C Sediment
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC			TNTC			
LOCATION_CODE			TNTC-SD08			TNTC-SD08			
SAMPLE_NO			AB1008			AB1018			
SAMPLE_DATE			19-Sep-00			19-Sep-00			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	mg/kg	4610			4530			1.8
METALS	Arsenic	mg/kg	4.13			5.75			32.8
METALS	Barium	mg/kg	32.4			31.8			1.9
METALS	Beryllium	mg/kg	0.21	J	J	0.283			29.6
METALS	Cadmium	mg/kg	0.371	J	B	0.553	J	B	39.4
METALS	Calcium	mg/kg	6480		J	14100		J	**74.1**
METALS	Chromium	mg/kg	8.73			10.3			16.5
METALS	Cobalt	mg/kg	4.7			6.01			24.5
METALS	Copper	mg/kg	9.7		B	13.9			35.6
METALS	Iron	mg/kg	12900			16400			23.9
METALS	Lead	mg/kg	14			13.9			0.7
METALS	Magnesium	mg/kg	1790			3990			**76.1**
METALS	Manganese	mg/kg	239			302			23.3
METALS	Mercury	mg/kg	0.023	J	J	-	-	-	NC
METALS	Nickel	mg/kg	14.6			16.6			12.8
METALS	Potassium	mg/kg	943		J	1290		J	31.1
METALS	Sodium	mg/kg	160	J	J	221	J	J	32.0
METALS	Vanadium	mg/kg	14.2			15.3			7.5
METALS	Zinc	mg/kg	33			40.5			20.4
NITROAROMATICS	Amino-2,6-dinitrotoluene, 4-	mg/kg	0.385			0.243			45.2
NITROAROMATICS	Amino-4,6-dinitrotoluene, 2-	mg/kg	0.299			0.378			23.3
NITROAROMATICS	Dinitrotoluene, total	mg/kg	0.246			0.102			**82.8**
NITROAROMATICS	Trinitrotoluene, 2,4,6-	mg/kg	0.706			0.357			**65.7**
PEST/PCB	Aroclor 1260	mg/kg	0.0224	J	J	0.036	J	J	46.6
SEMIVOLATILES	Dinitrotoluene, 2,4-	mg/kg	0.101	J	J	0.0757	J	J	28.6
VOLATILES	Acetone	mg/kg	0.00563	J	J	-	-	-	NC
VOLATILES	Methylene chloride	mg/kg	0.00476	J	J	0.00257	J	B	**59.8**

NOTE: Bold values exceed RPD of 50%

Table D-8
Field Duplicate Results
TNT Area C Surface Water
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC			TNTC			
LOCATION_CODE			TNTC-SW01			TNTC-SW01			
SAMPLE_NO			AB2001			AB2016			
SAMPLE_DATE			18-Sep-00			18-Sep-00			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	ug/L	454			541			17.5
METALS	Barium	ug/L	40.9			38.8			5.3
METALS	Beryllium	ug/L	0.144	J	B	0.118	J	B	19.8
METALS	Cadmium	ug/L	-	-	-	8.87			NC
METALS	Calcium	ug/L	195000			169000			14.3
METALS	Chromium	ug/L	1.35	J	J	1.78	J	J	27.5
METALS	Copper	ug/L	1.36	J	J	1.75	J	J	25.1
METALS	Iron	ug/L	455			430			5.6
METALS	Magnesium	ug/L	43900			38300			13.6
METALS	Manganese	ug/L	69.2			52.7			27.1
METALS	Nickel	ug/L	3.49	J	J	2.86	J	J	19.8
METALS	Potassium	ug/L	2090			1840			12.7
METALS	Sodium	ug/L	5300			5200			1.9
METALS	Vanadium	ug/L	1.07	J	J	1.25	J	J	15.5
METALS	Zinc	ug/L	4.52	J	J	-	-	-	NC
VOLATILES	Acetone	ug/L	-	-	-	3.58	J	J	NC
VOLATILES	Carbon disulfide	ug/L	0.59	J	J	1.61			**92.7**
VOLATILES	Methylene chloride	ug/L	1.13		B	0.69	J	B	48.4

NOTE: Bold values exceed RPD of 50%

Table D-8
Field Duplicate Results
TNT Area C Surface Water
Former Plum Brook Ordnance Works

GROUP_NAME			TNTC			TNTC			
LOCATION_CODE			TNTC-SW08			TNTC-SW08			
SAMPLE_NO			AB2008			AB2018			
SAMPLE_DATE			19-Sep-00			19-Sep-00			
SAMPLE_PURPOSE			REG			FD			
Test Group	Parameter	Units	Result	LQ	VQ	Result	LQ	VQ	RPD
METALS	Aluminum	ug/L	80.9	J	B	226		B	**94.6**
METALS	Barium	ug/L	32.2			34.5			6.9
METALS	Beryllium	ug/L	-	-	-	0.138	J	B	NC
METALS	Calcium	ug/L	199000			200000			0.5
METALS	Iron	ug/L	103		B	360			**111.0**
METALS	Magnesium	ug/L	42200			43100			2.1
METALS	Manganese	ug/L	156			204			26.7
METALS	Nickel	ug/L	5.61			9.75			**53.9**
METALS	Potassium	ug/L	1300			1430			9.5
METALS	Selenium	ug/L	-	-	-	3.71	J	J	NC
METALS	Sodium	ug/L	5090			5140			1.0
METALS	Zinc	ug/L	4.76	J	J	6.07	J	J	24.2
SEMIVOLATILES	Di-n-butyl phthalate	ug/L	4.95	J	J	-	-	-	NC
VOLATILES	Carbon disulfide	ug/L	8.32			7.39			11.8
VOLATILES	Methylene chloride	ug/L	0.69	J	B	0.75	J	B	8.3

NOTE: Bold values exceed RPD of 50%