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FINAL SUMMARY REPORT FOR THE REMEDIATION OF TNT AND LEAD CONTAMINATED SOIL AND SEWERS

Operable Unit 3, Area B
Study Areas 6, 7, 10, 21 and ISS
Alabama Army Ammunition Plant

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Acronyms

ADEM	Alabama Department of Environmental Management
AEC	Army Environmental Center
ALAAP	Alabama Army Ammunition Plant
CERCLA	Comprehensive Environmental Remediation Compensation Liability Act
CoC's	Chemical of Concern
CRP	Community Relations Plan
DoD	Department of Defense
DNB	Dinitrobenzene
DNT	Dinitrotoluene
ECC	Environmental Chemical Corporation
EPA	Environmental Protection Agency
Ft	Feet
GIS	Geographical Information System
GOCO	Government-owned/Contractor-operated
GSA	General Services Administration
H_2SO_4	Sulfuric Acid
IRP	Installation Restoration Program
ISS	Industrial Sewer System
NC	Nitrocellulose
NPL	National Priorities List
OU	Operable Unit
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
TCLP	Toxicity Characteristic Leaching Procedure
Tetryl	Trinitrophenylmethylnitramine
TIS	Transportable Incineration System
TNB	Trinitrobenzene
TNT	Trinitrotoluene
USACE	U.S. Army Corps of Engineers
USAEC	U.S. Army Environmental Center
USATHAMA	United States Army Toxic and Hazardous Materials Agency
WESTON	Roy F. Weston, Inc.
WWII	World War II
Yd^3	Cubic Yards

1.0 OVERVIEW

This report describes the services provided by Roy F. Weston, Inc. (WESTON) and Environmental Chemical Corporation (ECC) in association with the implementation of the selected remedial alternatives for Study Areas 6, 7, 10 and 21 (Soils Operable Unit 3) within Area B at the ALAAP. The Scope of Work for these actions was developed in accordance with an Interim Record of Decision (ROD) for the Alabama Army Ammunition Plant Soils Operable Unit 3 (OU 3) - Area B (October, 1994).

This report summarizes previously submitted status reports; the Closure Report for Soil Remediation, Industrial Sewer Lines (ISS) (ECC, 1996), and the final Project Closeout Report (WESTON 1998). Details of site operations summarized in this report are contained in the reports prepared by WESTON. These reports, which are contained in the Administrative Record for the site, and which have been routed to the Alabama Department of Environmental Management (ADEM), the United States Environmental Protection Agency Region IV (EPA) include:

- Addendum to the Materials Handling Plan for a Transportable Incineration System (TIS). Area B Soils Operable Unit (Study Areas 6, 7, 10 and 21), Alabama Army Ammunition Plant - November, 1994.
- Excavation Plan for Area 21 (Red Water Ditch) at the Alabama Army Ammunition Plant (ALAAP) - December, 1994.
- Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 7 at the Alabama Army Ammunition Plant - January, 1995.
- Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 6 at the Alabama Army Ammunition Plant - April, 1995.
- Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 10 at the Alabama Army Ammunition Plant - July, 1995.
- Excavation Status Report for Study Area 10 and Updated Excavation Volumes for Study Areas 6, 7, and 21 at the Alabama Army Ammunition Plant - February, 1996.
- Closure Report, Soil Remediation, Industrial Sewer Lines, Alabama Army Ammunition Plant, Childersburg, Alabama - July, 1996
- Project Closeout Report at the Alabama Army Ammunition Plant - July, 1998.

The Scope of Work was completed between October, 1994 when soil sampling began in Study Area 21 and progressed until February, 1996 when excavations were completed in Study Area 10.

1.1 Site Location

The Alabama Army Ammunition Plant is located in Talladega County of east-central Alabama, 30 miles east-southeast of Birmingham and 70 miles north of Montgomery, the State capital (**Figure 1**). The nearest town is Childersburg, Alabama, which is four miles south of ALAAP.

1.2 Background Information

ALAAP was established on 13,233 acres of land near the junction of Talladega Creek and the Coosa River. The plant was built in 1941 and operated during World War II (WWII) as a government-owned/contractor-operated (GOCO) facility. ALAAP produced nitrocellulose (NC), single-based smokeless powder, and nitroaromatic explosives [i.e., trinitrotoluene (TNT), dinitrotoluene (DNT); and 2,4,6-trinitrophenylmethylnitramine (tetryl)]. Activities at ALAAP included in the manufacture of explosives were the production of the chemicals: sulfuric acid (H_2SO_4), aniline, N,N-dimethylaniline, and diphenylamine. Spent acids were recycled and wastes resulting from these operations were disposed of. In August 1945, operations were terminated at ALAAP and the plant was converted to standby status.

The plant was maintained in various stages of standby status until the early 1970s. In 1973, the Army declared ALAAP excess to its needs. Since that time, several parcels of the original property were sold or returned to their previous owners. Area A, encompassing 2,714 acres, was auctioned with an unrestricted deed by the General Services Administration (GSA) in May 1990. Currently the Army retains ownership of Area B, which is the subject of ongoing investigatioins and remedial actions. Area B includes the former explosives manufacturing and support area and administrative areas of the facility.

In 1978, the U.S. Army Environmental Center (USAEC) (formerly the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA)), managing the Army's Installation Restoration Program (IRP), conducted a record search which concluded that specific areas of the facility were potentially contaminated by explosives and lead compounds. Further studies at ALAAP confirmed that soils were contaminated with explosives compounds, asbestos, and lead. In 1984, ALAAP was proposed for inclusion on the Comprehensive Environmental Remediation Compensation Liability Act (CERCLA) National Priorities List (NPL). In July 1987, ALAAP was placed on the NPL.

An RI/FS under the Department of Defense (DoD) IRP was initiated in 1985 to determine the nature and extent of contamination at ALAAP and the alternatives available to clean up the site. For the purposes of the Remedial Investigation/Feasibility Study (RI/FS), the

facility was divided into two general areas. Area A consisted of the eastern portion of the facility, and Area B consisted of the western portion. The Baseline RI under the IRP confirmed the existence of explosives, asbestos, and lead contamination in the soil in Area A, and in the soil, sediment, and groundwater in Area B. The Baseline RI for Areas A and B was completed in 1986.

Numerous subsequent investigations were conducted in Study Areas within Area B to delineate the nature and extent of contamination in different media including soils, sediments, surface water, vitreous clay pipes, etc. Based on these studies, initial remediation activities in Study Areas 6, 7, 10 and 21 were contracted as an incremental step towards the remediation of contaminated media in all of the study areas in Area B. In November, 1994, an Interim ROD was approved by the EPA and ADEM to remediate soils, sediments and the ISS in Study Areas 6, 7, 10 and 21. The Area B Soils Operable Unit Interim ROD selected incineration as the primary treatment technology, and stabilization as the secondary treatment technology, if required. The location of Study Areas 6, 7, 10 and 21 is presented in **Figure 2**.

In accordance with the Community Relations Plan, a public meeting was held at Central Alabama Community College on September 28, 1994 to inform the public of the preferred remedial alternative and to seek public comments. At this meeting, representatives from ALAAP, EPA, ADEM, the U.S. Army Corps of Engineers (USACE), and USAEC were present and answered questions about the site and the remedial alternatives under consideration.

1.2.1 Southern TNT Manufacturing Area (Study Area 6)

The Southern TNT Manufacturing Area contained four TNT production lines. All that remained of the former structures in this area were the roadways and portions of building foundations. Nitric acid and nitroaromatics were detected in groundwater samples collected during site investigations that were likely the result of past production and nitration operations at the study area. Samples were collected at the site from soil that had been dredged from the Red Water Ditch and deposited on the edge of the drainage during the 1953-54 renovation activities. Elevated concentrations of TNT, 2,4-DNT, and 2,6-DNT were identified in these soils. Transite-containing rubble from building demolition was located around or near the building foundations. Friable asbestos was found in large pieces along the pipelines associated with the study area buildings.

1.2.2 Northern TNT Manufacturing Area (Study Area 7)

The Northern TNT Manufacturing Area contained four TNT production lines and one DNT production line. This former production area had been razed as was Study Area 6. Material was spread over a wide area during the demolition; only foundations and portions of the sewer system remained. Formerly, wastewater from this area was dumped into the open Red Water Ditch (Study Area 21) and into wood flumes, which carried the production wastes to the industrial sewers. Soil and groundwater samples collected during site investigations detected concentrations of 2,4-DNT, 2,6-DNT, TNT, 1,3-dintrobenzene (DNB), and 1,3,5-trinitrobenzene (TNB). As with the Southern TNT Manufacturing Area, friable asbestos was found along pipelines.

1.2.3 Tetryl Manufacturing Area (Study Area 10)

The Tetryl Manufacturing Area consisted of 12 manufacturing lines where tetryl was produced in a two-step process by first sulfonating N-N-dimethylaniline and then mitrating the resulting intermediate. Extensive amounts of lead were used in the piping, floors, and fittings of the nitration houses. The buildings have been razed and all that remained of each line are the concrete foundations of the buildings. Earthworks have scattered both friable and Transite asbestos associated with the buildings over the study area. The investigation area covers approximately 98 acres. During the Installation Assessment, explosives material was recovered from the soil surface. Lead and tetryl were detected in soil from Study Area 10 during the site investigation. Nitroaromatics, tetryl and 1,3-DNB were detected in groundwater samples.

1.2.4 Red Water Ditch (Study Area 21)

The Red Water Ditch carried the industrial process wastewaters produced by the manufacture of TNT and collected industrial process wastes and surface runoff from the Acid/Organic Manufacturing Area (Study Area 8) and the Tetryl Manufacturing Area (Study Area 10). As initially constructed, the ditch extended from the western side of Study Area 10 through Study Areas 6 and 7 and on to the Coosa River. Industrial wastes generated in Study area 8 were discharged into the ditch immediately east of Study Area 7. The areas that drained to the Red Water Ditch were involved in the production of acids (sulfuric and nitric), organics (DPA, aniline, and N,N-dimethylaniline), and explosives (TNT, DNT, and tetryl) and their process byproducts. Other organics and inorganics (benzene, toluene, sodium, sulfite, sodium carbonate, and sulfur) also were stored in these areas that fed the Red Water Ditch.

The Red Water Ditch was constructed with steep sides and has a depth that varies from approximately 3 to 10 feet and crossed other drainage systems through clay pipelines. Following the cessation of plant operations, the ditch contained flowing water only during seasonal wet periods. During dry periods, usually the summer months, the ditch contained standing water in varied locations. The ditch was cleaned at least once since its original construction. Sediments dredged from the ditch during the cleaning operations were deposited along the banks of the ditch. The Red Water Ditch drainage system carried approximately 17 percent of the surface water at AAAP, ultimately discharging in the Coosa River.

1.2.5 Industrial Sewer System

Approximately 78,000 feet of industrial waste sewerlines were located within the original installation. These sewerlines carried liquid wastes from the manufacturing areas and discharged the wastes into the Red Water Basin, the Red Water Ditch and the Coosa River. The industrial sewers were constructed of vitrified clay pipe and ranged in diameter from 6 inches to 36 inches. Portions of the pipe were encased in concrete.

Approximately 47,000 feet of sewerline was decontaminated during remedial activities completed in the Leaseback Area in 1981 and over 10,000 feet of sewerline remains in the Acids/Organics manufacturing Area (Study Area 8) which was not included in the IROD for OU3. Over 18,000 feet of sewerline and 49 associated manhole structures were addressed during these remedial activities. Sewer pipe and manholes were located as follows:

Study Area	Length of Pipe (ft)	Manholes
Southern TNT Area 6	5,431	19
Northern TNT Area 7	3,494	15
Tetryl Area 10	9,281	15
Total	**18,206**	**49**

1.3 Remedial Goals

The remediation goal for Study Areas 6, 7, 10 and 21 and the ISS was the reduction of risks through remediation of explosives and lead contaminated soils in accordance with the Risk Assessment for future industrial use of Area B. The risk-based remedial goals for contaminated soils at Study Area 6, 7, 10 and 21 of ALAAP were:

Parameters	Excavation Criteria
TNT	>647 ppm
1,3-DNB	>1 ppm
Tetryl	>5,000 ppm
Lead (total)	>500 ppm

1.4 Site Conditions Prior to Implementation of Remedial Actions

Access routes to the site were in good shape prior to and during the entire field effort despite intermittent periods of rain. Remedial actions involving the operation of the TIS to remediate stockpiled soils (originating in Area A) had been ongoing within Area B of the installation. In support of these actions, an area of clean soil has been identified within the installation that has been used for backfill operations. Soil from this area was used for backfill as needed during the remedial actions completed at Study Areas 6, 7, 10 and 21. On-site landfill cells were constructed to receive ash from the incinerator. Incinerator ash which did not pass criteria for lead was stabilized prior to placement in a separate cell.

2.0 PRECONSTRUCTION PLANNING

2.1 Modification of Existing Project Plans

Prior to the operation of the TIS for the incineration of stockpile soils, a Work Plan, a Site Health and Safety Plan and a Materials Handling Plan were prepared by WESTON. These plans were modified and amended as necessary and were submitted to the US Army Corps of Engineers for review and comment.

2.2 Initial Activities

The activities described in this section occurred prior to the implementation of work. Some activities required only a modification of existing plans. These activities are briefly summarized in the following sections and details of the activities are presented in the WESTON document titled "Addendum to the Materials Handling Plan for a Transportable Incineration System (TIS) - November, 1994.

2.2.1 Site Inspection

A site inspection was conducted by personnel from WESTON, USACE, AEC and contractor personnel associated with site assessment activities on April 21, 1994. Observations made during this inspection were used to modify existing plans including the Materials Handling Plan and the Site Health and Safety Plan.

2.2.2 Surveying

A topographic survey of Area B was completed by SAIC during the Supplemental Remedial Actions. This map was used to aid in the development of excavation plans and for the siting of backfill and borrow areas. Only the site borrow area and the site backfill areas were surveyed by a licensed surveyor. Actual sample locations as well as site features (roads, foundations, etc) were located on maps utilizing a GPS system which could be fed directly into a Geographical Information System (GIS).

2.2.3 Delineation of Exclusion Zones

Operational areas of the TIS as well as contaminated media stockpile areas and decontamination areas were marked as exclusion zones during the remedial activities. During the sampling of a Study Area, those grids within the study area which tested positive for site Chemicals of Concern (CoC's) were also delineated as exclusion zones. Entry into

these zones was restricted to site personnel possessing proper training in hazardous waste operations and who were wearing the prescribed personal protection equipment for the specified zone. Delineation of the exclusion zones and the monitoring of site entry and operations was the responsibility of the Site Safety and Health Officer.

2.2.4 Site Clearing

The site inspection noted that large portions of the potential excavation areas had become heavily vegetated following demolition of the plant. In order to effectively establish sampling grids, the Study Areas within OU3 were cleared of vegetation. Cut vegetation was open burned on-site and grubbed surface materials were treated in the TIS.

2.2.5 TIS Facilities

The TIS had been operating at the installation for the purpose of the incineration of stockpile soils prior to the start of OU3 remedial actions. Changes to the TIS facilities were completed prior to the start of OU3 activities. These changes included identification and modification of material transport routes, the expansion of contaminated material storage and preparation areas, the expansion of site decontamination facilities, the expansion of site water management systems (ponds, sumps, etc), and the designation of clean borrow areas. Details concerning these system modifications are presented in the Addendum to the Materials Handling Plan for a Transportable Incineration System (Weston, 1994).

3.0 SAMPLING AND EXCAVATION

Sampling and excavation activities proceeded concurrently at each study area. Once the area was gridded, soil samples for TNT screening were collected from within each grid. As contamination was detected within a grid, excavation was initiated while the sampling progressed to another grid. Following excavation, additional screening samples and then confirmation samples were collected. These activities are summarized in the following text and are presented in detail in the reports referenced within this text.

3.1 Study Area 21 (Red Water Ditch)

The Red Water Ditch conveyed industrial waste water from the manufacturing areas to the Coosa River. This ditch was maintained by dredging and pieces of explosive material had been observed along the banks of the ditch. Soil contamination in this study area posed a threat to human health and the environment through direct contact and through leaching into the surface waters of the Red Water Ditch and into the aquifer beneath the site. A tributary of the Red Water Ditch which collected wastewater from the Tetryl Area was also included in the investigation and remedial action of Area 21.

3.1.1 Study Area 21 Delineation and Screening Samples

Delineation of soil contamination within the Red Water Ditch was conducted during October and November, 1994. Sampling stations were established at 100-foot intervals along the length of the ditch. Each station represented a transverse across the ditch which was then divided into three subgrids. A minimum of 8 discrete samples, divided between the subgrids, were collected from each transverse. Sample transverse locations, discrete sample locations and the depth of the samples collected are presented in Section 2 of the document titled 'Excavation Plan for Area 21 (Red Water Ditch) at the Alabama Army Ammunition Plant (Weston, December, 1994).'

An addendum to this plan showing additional sampling locations along the Red Water Ditch is presented in the document titled "Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 7, Alabama Army Ammunition Plant (Weston, January 1995).

Tetryl was detected in a tributary of the Red Water Ditch adjacent to the Tetryl Manufacturing Area (Study Area 10) in January, 1995. An addendum to the sampling plan was included in the document titled "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 6, Alabama Army Ammunition Plant (Weston, April 1995).

Collected soil samples were analyzed at the on-site laboratory using a TNT field screening method and the results were compared to the excavation criteria for TNT (> 100 ppm). The highest TNT concentration detected in a screening sample was 7,097 ppm in a sample collected from the ditch bottom along transverse 116. This transverse was located between the Northern and Southern TNT manufacturing areas. All TNT screening results are presented in the documents titled 'Excavation Plan for Area 21 (Red Water Ditch) at the Alabama Army Ammunition Plant" (Weston, December, 1994), "Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 7, Alabama Army Ammunition Plant" (Weston, January 1995) and "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 6, Alabama Army Ammunition Plant" (Weston, April 1995).

3.1.2 Study Area 21 Excavations

If any one screening sample within a subgrid was found to exceed the excavation criteria, the entire subgrid was considered to be contaminated. This contamination was assumed to extend to a distance of 50-feet on either side of the transverse across the entire subgrid. This subgrid was then excavated to a depth of 2-feet and screening samples were again collected from the bottom and sidewalls of the excavation. If contamination was detected in any of the post excavation screening samples, the excavation was extended an additional 2-foot in depth (excavation bottom sample) or laterally an additional 10-feet (sidewall sample). Excavation within a grid continued until all post excavation samples with a grid screened below criteria for TNT.

3.1.3 Study Area 21 Confirmation Samples

Confirmation samples were collected from grids which exhibited no contamination above excavation guidelines during the initial sample screening and from grids where the excavation had been completed and screening samples showed no contamination above excavation guidelines. Confirmatory samples consisted of a composite of 4 grab samples from within the grid. Composited confirmation samples were analyzed by the WESTON laboratory in Stockton, Ca. for explosive compounds and lead. Confirmatory analytical results are presented in the report titled 'Excavation Plan for Area 21 (Red Water Ditch) at the Alabama Army Ammunition Plant" (Weston, December, 1994). Following the completion of excavation activities in the Study Area, additional confirmation samples were collected by SAIC as a part of the supplemental remedial investigation. All confirmation soil sample analytical results are presented in **Appendix A** of this summary report.

3.2 Study Area 7 (Northern TNT Manufacturing Area)

The Northern TNT Manufacturing Area (Study Area 7) produced TNT from four batch production lines. Study Area 7 also produced DNT as a finished product from one of the production lines. Waste water generated from manufacturing lines was routed to the Red Water Ditch through the ISS. Soil contamination in this study area posed a threat to human health and the environment through direct contact and through leaching into the surface waters of the Red Water Ditch and into the aquifer beneath the site.

3.2.1 Study Area 7 Delineation and Screening Samples

Delineation of soil contamination within Study Area 7 was conducted during November and December, 1994. Sampling stations were established by dividing the study area into 100-ft by 100-ft grids. Each grid was then divided into four 50-ft by 50-ft subgrids. A minimum of 4 discrete samples, one from each subgrid, were collected from each grid. Sample grid layout and locations, discrete sample locations and the depth of the samples collected are presented in Section 2 of the document titled "Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 7, Alabama Army Ammunition Plant (Weston, January 1995).

In February, 1995, it was proposed that additional screening samples be collected from process ditches and flumes located within the manufacturing area. These structures conveyed wastewater directly to the Red Water Ditch or to points of access on the ISS. As these were localized features, they were likely to be missed during sampling of the grids. Sample points associated with this focused sampling are presented in the document titled "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 10, Alabama Army Ammunition Plant (Weston, July 1995).

Collected soil samples were analyzed at the on-site laboratory using a TNT field screening method and the results were compared to the excavation criteria for TNT (> 100 ppm). The greatest concentrations of TNT, as determined by the screening tests were located adjacent to the process lines as expected. The highest concentration detected was 14,201 ppm in a sample collected from grid 149. This grid encompassed the bi & tri nitrating house of one of the production lines. All TNT screening results are presented in the documents titled "Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 7, Alabama Army Ammunition Plant" (Weston, January 1995) and "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 10, Alabama Army Ammunition Plant (Weston, July 1995).

3.2.2 Study Area 7 Excavations

If any one screening sample within a subgrid was found to exceed the excavation criteria, the entire subgrid was considered to be contaminated and the entire subgrid was then excavated to a depth of 2-feet. Screening samples were again collected from the bottom and sidewalls of the excavation. If contamination was detected in any of the post excavation screening samples, the excavation was extended an additional 2-foot in depth (excavation bottom sample) or laterally an additional 10-feet (sidewall sample).

During the confirmation sampling, DNT was detected in samples from a grid located adjacent to the DNT product line. DNT was not screened for in the field, and the detection of this compound in the confirmation sampling required that additional excavation be completed in the vicinity of the DNT line.

Excavation within a grid continued until all post excavation samples with a grid screened below criteria for TNT.

3.2.3 Study Area 7 Confirmation Samples

Confirmation samples were collected from grids which exhibited no contamination above excavation guidelines during the initial sample screening and from grids where the excavation had been completed and screening samples showed no contamination above excavation guidelines. Confirmatory samples consisted of a composite of 4 grab samples from within the grid. Composited confirmation samples were analyzed by the WESTON laboratory in Stockton, Ca. for explosive compounds and lead. During the confirmation sampling, DNT was detected in samples from a grid located adjacent to the DNT product line. DNT was not screened for in the field, and the detection of this compound in the confirmation sampling required that additional excavation be completed in the vicinity of the DNT line. Confirmatory analytical results from Weston are presented in the report titled "Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 7, Alabama Army Ammunition Plant (Weston, January 1995). Following the completion of excavation activities in the Study Area, additional confirmation samples were collected by SAIC as a part of the supplemental remedial investigation. All confirmation soil sample analytical results are presented in **Appendix B** of this summary report.

3.3 Study Area 6 (Southern TNT Manufacturing Area)

The Southern TNT Manufacturing Area (Study Area 6) produced TNT from four batch production lines. Waste water generated from manufacturing lines was routed to the Red Water Ditch. Soil contamination in this study area posed a threat to human health and the environment through direct contact and through leaching into the surface waters of the Red Water Ditch and into the aquifer beneath the site.

3.3.1 Study Area 6 Delineation and Screening Samples

Delineation of soil contamination within Study Area 6 was conducted during January and February, 1995. Sampling stations were established by dividing the study area into 100-ft by 100-ft grids. Each grid was then divided into four 50-ft by 50-ft subgrids. A minimum of 4 discrete samples, one from each subgrid, were collected from each grid. Sample grid layout and locations, discrete sample locations and the depth of the samples collected are presented in Section 2 of the document titled "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 6, Alabama Army Ammunition Plant (Weston, April 1995).

In February, 1995, it was proposed that additional screening samples be collected from process ditches and flumes located within the manufacturing area. These structures conveyed wastewater directly to the Red Water Ditch or to points of access on the Industrial Sewer System (ISS). As these were localized features, they were likely to be missed during sampling of the grids. Sample points associated with this focused sampling are presented in the document titled "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 6, Alabama Army Ammunition Plant (Weston, April 1995).

Collected soil samples were analyzed at the on-site laboratory using a TNT field screening method and the results were compared to the excavation criteria for TNT (> 100 ppm). TNT screening results are presented in the document titled "Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 6, Alabama Army Ammunition Plant" (Weston, April 1995).

3.3.2 Study Area 6 Excavations

If any one screening sample within a subgrid was found to exceed the excavation criteria, the entire subgrid was considered to be contaminated and the entire subgrid was then excavated to a depth of 2-feet. Screening samples were again collected from the bottom and sidewalls of the excavation. If contamination was detected in any of the post excavation screening

samples, the excavation was extended an additional 2-foot in depth (excavation bottom sample) or laterally an additional 10-feet (sidewall sample). Excavation within a grid continued until all post excavation samples with a grid screened below criteria for TNT.

3.3.3 Study Area 6 Confirmation Samples

Confirmation samples were collected from grids which exhibited no contamination above excavation guidelines during the initial sample screening and from grids where the excavation had been completed and screening samples showed no contamination above excavation guidelines. Confirmatory samples consisted of a composite of 4 grab samples from within the grid. Composited confirmation samples were analyzed by the WESTON laboratory in Stockton, Ca. for explosive compounds and lead. Confirmatory analytical results from Weston are presented in the report titled "Monthly Status Report - Study Areas 7 and 21 and Excavation Plan for Study Area 7, Alabama Army Ammunition Plant (Weston, January 1995). Following the completion of excavation activities in the Study Area, additional confirmation samples were collected by SAIC as a part of the supplemental remedial investigation. All confirmation soil sample analytical results are presented in **Appendix C** of this summary report.

3.4 Study Area 10 (Tetryl Manufacturing Area)

The Tetryl Manufacturing Area (Study Area 10) produced Tetryl from 12 batch production lines. Waste water generated from manufacturing lines was routed to the Red Water Ditch and to an adjacent tributary of the Red Water Ditch. Soil contamination in this study area posed a threat to human health and the environment through direct contact and through leaching into the surface waters of the Red Water Ditch and into the aquifer beneath the site.

3.4.1 Study Area 10 Delineation and Screening Samples

Delineation of soil contamination within Study Area 6 was conducted during July and August, 1995. Sampling stations were established by dividing the study area into 100-ft by 100-ft grids. Each grid was then divided into four 50-ft by 50-ft subgrids. A minimum of 4 discrete samples, one from each subgrid, were collected from each grid. Sample grid layout and locations, discrete sample locations and the depth of the samples collected are presented in Section 2 of the document titled "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 10, Alabama Army Ammunition Plant (Weston, July 1995).

Based on the experiences learned in Study Areas 6 and 7, additional screening samples be collected from process ditches and flumes located within the manufacturing area and from the nitrating and refining houses. As these were localized features, they were likely to be missed during sampling of the grids. Sample points associated with this focused sampling are presented in the document titled "Monthly Status Report - Study Areas 6, 7 and 21 and Excavation Plan for Study Area 10, Alabama Army Ammunition Plant (Weston, July 1995).

Collected soil samples were analyzed at the on-site laboratory using a the modified Jenkins Method for the screening of total explosives concentrations. The explosives screening results are presented in the document titled "Excavation Status Report for Study Area 10 and Updated Excavation Volumes for Study Areas 6, 7, and 21, Alabama Army Ammunition Plant" (Weston, February, 1996).

3.4.2 Study Area 10 Excavations

If any one screening sample within a subgrid was found to exceed the excavation criteria, the entire subgrid was considered to be contaminated and the entire subgrid was then excavated to a depth of 2-feet. Screening samples were again collected from the bottom and sidewalls of the excavation. If contamination was detected in any of the post excavation screening samples, the excavation was extended an additional 2-foot in depth (excavation bottom sample) or laterally an additional 10-feet (sidewall sample). Excavation within a grid continued until all post excavation samples with a grid screened below criteria for explosives.

3.4.3 Study Area 10 Confirmation Samples

Confirmation samples were collected from grids which exhibited no contamination above excavation guidelines during the initial sample screening and from grids where the excavation had been completed and screening samples showed no contamination above excavation guidelines. Confirmatory samples consisted of a composite of 4 grab samples from within the grid. Composited confirmation samples were analyzed by the WESTON laboratory in Stockton, Ca. for explosive compounds and lead. Confirmatory analytical results from are presented in the report titled "Excavation Status Report for Study Area 10 and Updated Excavation Volumes for Study Areas 6, 7, and 21, Alabama Army Ammunition Plant" (Weston, February, 1996). Following the completion of excavation activities in the Study Area, additional confirmation samples were collected by SAIC as a part of the supplemental remedial investigation. All confirmation soil sample analytical results are presented in **Appendix D** of this summary report.

3.5 Industrial Sewer System

The ISS conveyed industrial wastewater from the explosives manufacturing lines in Study Areas 6, 7 and 10 to the Red Water Ditch (Study Area 21). The wastewater contained high concentrations of explosives and explosive residue that was washed into floor drains. Contamination within the ISS posed a threat to human health and the environment through the potential for residue detonation and from leaching of contaminants into the aquifer beneath the site.

3.5.1 Locating ISS Lines

The ISS was not visible as it was buried and previous demolition activities had made the manhole structures difficult to locate. Sewer as-built drawings were obtained and manhole structures were located by measurement from survey marks noted on the drawings. Once the manhole structures were located, the sewer pipes running between them could be located. Sewerline and manhole locations are presented in the document titled "Closure Report, Soil Remediation, Industrial Sewer Lines, Alabama Army Ammunition Plant (ECC, July 1996)".

3.5.2 Sewerline Cleaning and Excavations

Once each manhole was located, the top was removed and the interior was inspected. Explosive materials, when encountered, were removed from the structure and stored prior to disposal in an on-site explosives storage magazine. The manhole structure was then removed to a depth of 4 foot above the bottom and all debris were then removed. The remaining structure was utilized to catch rinse water from the sewerlines.

Each section of sewerline was pressure washed utilizing a high pressure pipe washing system. Work progresses from one manhole structure to the next on the system. Upon the completion of the pressure washing, wash water was pumped from the manhole structures and was treated at a portable aqueous water treatment system which was mobilized to the site. Wastewater treatment information is presented in the document titled "Closure Report, Soil Remediation, Industrial Sewer Lines, Alabama Army Ammunition Plant (ECC, July 1996)".

Following completion of the pipe washing, the sewerlines were excavated. Overburden soil was stockpiled to the side of the excavation to be used as backfill. Part of the sewerlines were encased in concrete while the rest was VCP. When the VCP was encountered it was crushed in place utilizing the bucket of the backhoe. This action was completed in 20-foot

sections. The crushed pipe was then removed from the excavation and transported to the incineration stockpile. Concrete encased pipe was plugged with minimal 5-foot grout plug where each pipe exited the manhole structure. The delineation of encased and plugged lines is presented in the document titled "Closure Report, Soil Remediation, Industrial Sewer Lines, Alabama Army Ammunition Plant (ECC, July 1996)".

3.5.3 ISS Confirmation Sampling

Confirmation samples were collected throughout the excavation process. As an excavation reached the top of the buried sewerline, soil samples were collected from the material above the line. Confirmation samples were collected from each excavation where the non-encased pipe was crushed and removed. Initial samples, which were collected from the sides and base of each 20-foot length of excavation, were screened for explosives in the on-site lab. As a 100-foot section of the excavation was determined to be clean using the field screening, an additional sample was composited for analysis of explosives and lead using a fixed location laboratory. For the sewerlines which were grouted in place, an excavation was made every 50-foot along the buried line and a composite sample of sidewall and excavation base samples were field screened. As a 100-foot section of the buried line was determined to be clean using the field screening, an additional sample was composited for analysis of explosives and lead using a fixed location laboratory. A summary of the closure confirmation samples is presented in **Appendix E** of this summary report.

4.0 EXCAVATED MATERIAL TREATMENT

Excavated materials were treated at the WESTON TIS-20 incineration facility. The criterion used for soil following thermal treatment was less than 1 ppm of 2,4,6-TNT. Once the soil was treated it was analyzed for TNT and for eight RCRA metals using the Toxicity Characteristic Leaching Procedure (TCLP) prior to backfilling of the material in on-site cells. The backfill criteria were as follows:

Parameter	Treatment Criteria
TNT (total)	1 ppm
Arsenic	5 mg/L
Barium	100 mg/L
Cadmium	1 mg/L
Chromium	5 mg/L
Lead	5 mg/L
Mercury	0.2 g/L
Silver	5 mg/l
Selenium	1 mg/L

Soils which did not pass the backfill criteria were stockpiled for treatment (stabilization) under a later contract. Incineration details and operational information is presented in the documents titled "Addendum to the Materials Handling Plan for a Transportable Incineration System (TIS). Area B Soils Operable Unit (Study Areas 6, 7, 10 and 21), Alabama Army Ammunition Plant - November, 1994" and "Project Closeout Report at the Alabama Army Ammunition Plant - July, 1998".

5.0 SUMMARY OF RESULTS

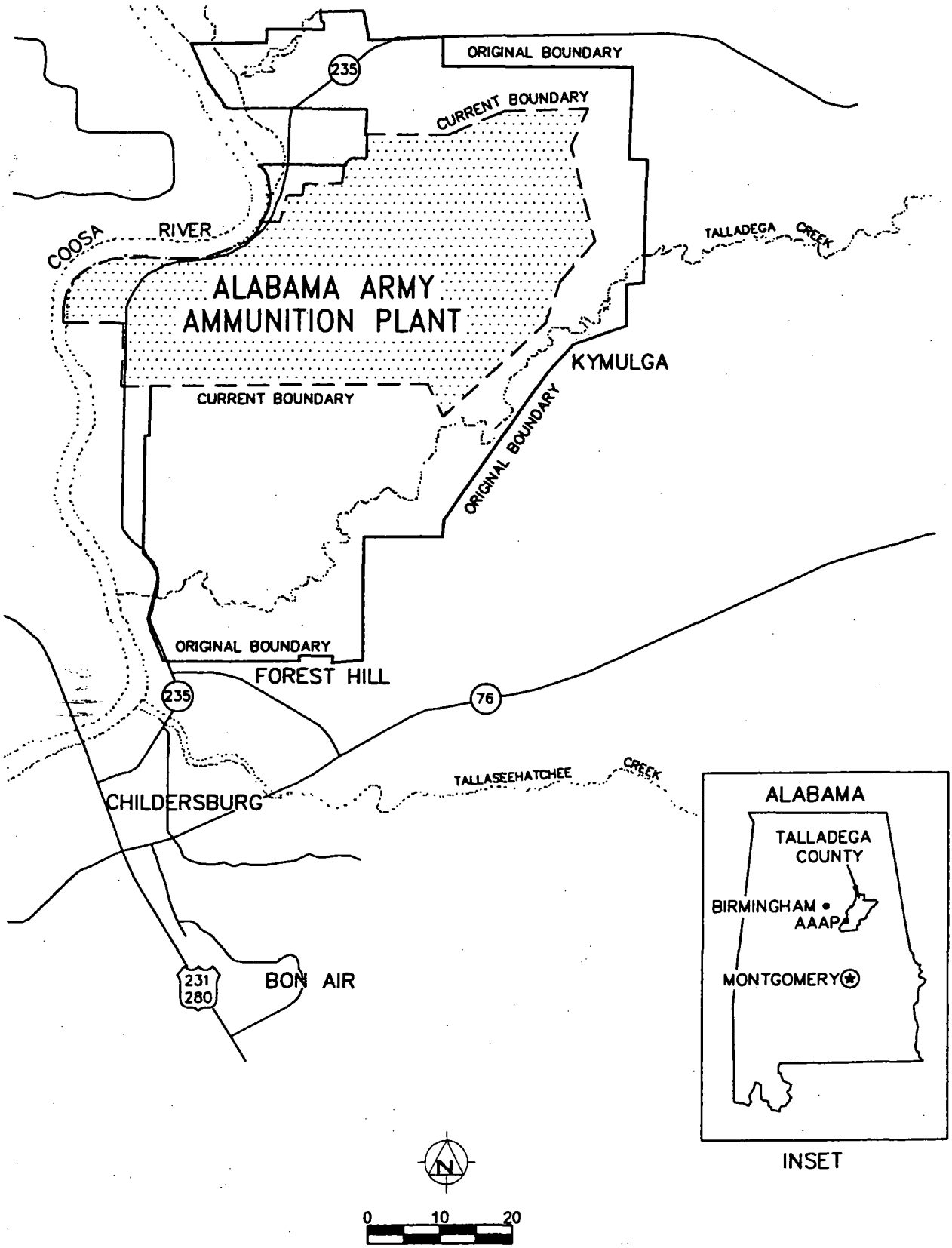
5.1 Quantities of Materials Addressed in Area B OU3

The final quantities of materials addressed in Area B - OU3 remedial actions are summarized as:

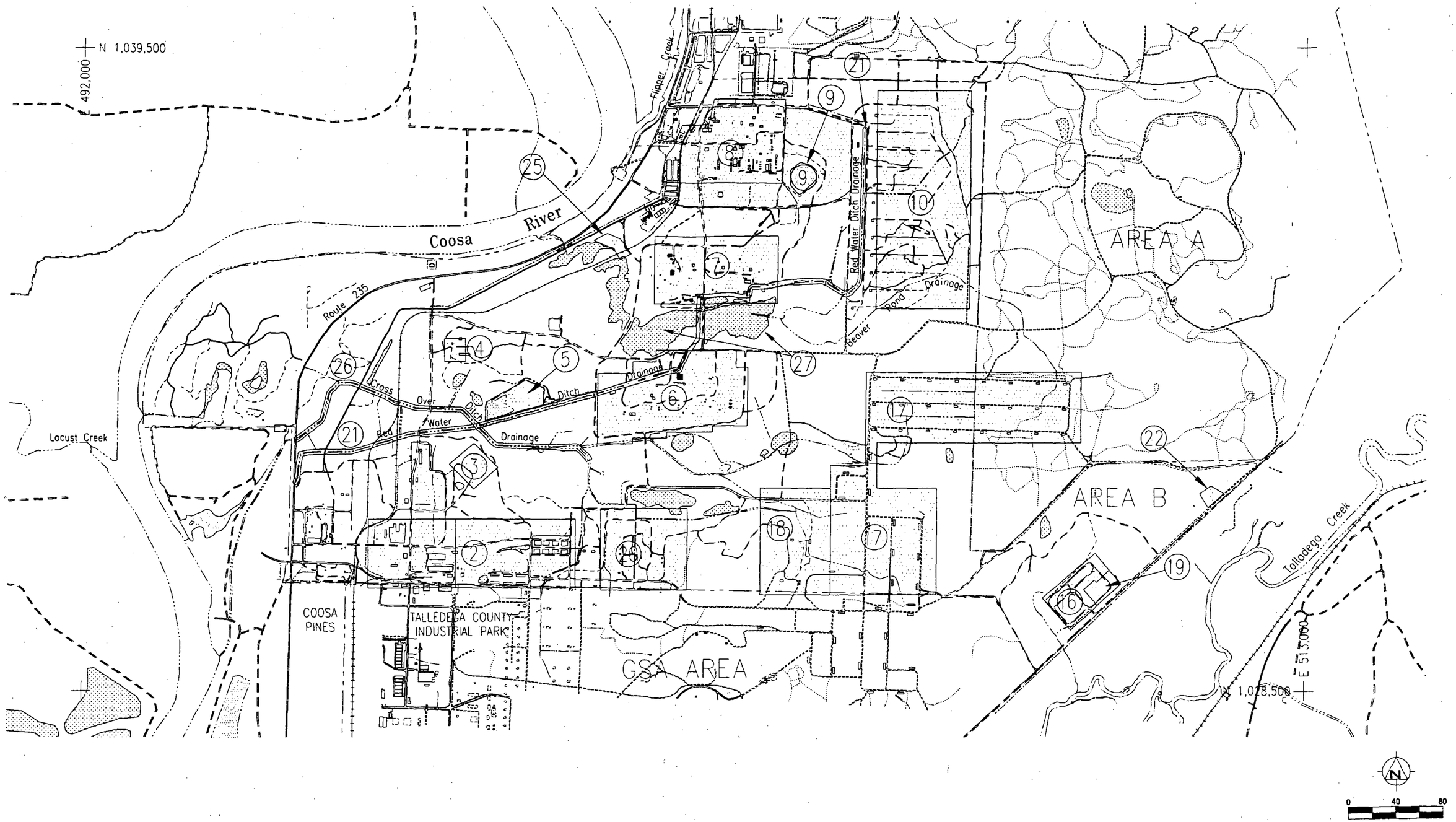
Category	Origin of Material	Quantity (yd^3)
Excavated Material	Study Areas 6, 7, 10 and 21	74,138
	ISS Overburden	16,550
	ISS VCP (crushed)	10,905
Thermally Treated (TIS-20)	Study Areas 6, 7, 10 and 21	68,627
	ISS Materials	12,607
Industrial Sewer System	Encased pipe plugged in place	13,873 ft
	VCP removed	5,846 ft
Oversize Debris Decontaminated	Sewer Pipe	<2,000

5.2 Conclusions

The explosives and lead contaminated soils have been effectively removed from the excavation areas at Study Areas 16, 7, 10 and 21 as well as from the ISS in accordance with the project scope of work. All screening samples and laboratory confirmation samples results were well below the cleanup criteria specified in the ROD.



ALAAP LOCATION MAP	PROJECT: 8869	QORE PROPERTY SCIENCES	CLOSURE REPORT - OU 4
	DATE: 4-9-03	598 S. NORTH LAKE BLVD., SUITE 1024	ALABAMA ARMY AMMUNITION PLANT
	DRAWN BY: SAS	ALTAMONTE SPRINGS, FLA. (407) 645-3400	CHILDERSBURG, ALABAMA
	APPROVED BY:	FIGURE 1	



AREA B
STUDY AREAS

CLOSURE REPORT - OU 4
ALABAMA ARMY AMMUNITION PLANT
CHILDERSBURG, ALABAMA

PROJECT:	8869E
DATE:	4-7-03
DRAWN BY:	SAS
APPROVED BY:	
FIGURE:	2

QORE
PROPERTY SCIENCES
598 S. NORTH LAKE BLVD., SUITE 1024
ALTAMONTE SPRINGS, FLA. (407) 645-3400

APPENDIX A1
Confirmation Sample Results
Study Area 21
WESTON

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:45 11/18/94

RFW Batch Number: 9411D366 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 001	21CPCF 001	21CPCF 001	21CPCF 002	21CPCF 003	21CPCF 004	21CPCF 005	21CPCF 006
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	79 %	83 %	87 %	86 %	86 %	88 %	85 %	83 %
HMX	0.50 U	112 %	121 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	115 %	114 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	122 %	121 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	119 %	116 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	102 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-6-DNT	0.50 U	109 %	109 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	111 %	110 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	21CPCF 007	MB1	MB1S
RFW#:	007	94DE275	94DE275
Matrix:	SOIL	SOIL	SOIL
D.F.:	2.00	2.00	2.00
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT	88 %	81 %	79 %
HMX	0.50 U	0.50 U	112 %
RDX	0.50 U	0.50 U	109 %
TNB	0.50 U	0.50 U	110 %
DNB	0.50 U	0.50 U	108 %
TETRYL	0.50 U	0.50 U	74 %
NB	0.50 U	0.50 U	NS
2-6-DNT	0.50 U	0.50 U	101 %
TNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	98 %
2-A-DNT	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 09:12 11/07/94

RFW Batch Number: 9411D367 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF
	008	008	008	009	010	011	012	013
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	80 %	84 %	82 %	79 %	77 %	81 %	82 %	81 %
HMX	0.50 U	111 %	109 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	107 %	106 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	113 %	112 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	112 %	110 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	92 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-6-DNT	0.50 U	108 %	105 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	108 %	106 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	MB1	MB1S
	014	015	016	017	018	019		
RFW#:	007	008	009	010	011	012	94DE276	94DE276
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	80 %	78 %	85 %	83 %	84 %	87 %	80 %	81 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	116 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	117 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	119 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	115 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2-6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	105 %
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	107 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 09:31 11/11/94

RFW Batch Number: 9411D372 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 020	21CPCF 021	21CPCF 022	21CPCF 023	21CPCF 024	21CPCF 025	21CPCF 026	21CPCF 027
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	81 %	87 %	87 %	86 %	84 %	80 %	83 %	78 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	94DE278	94DE278
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT	88 %	86 %
HMX	0.50 U	108 %
RDX	0.50 U	108 %
TNB	0.50 U	110 %
DNB	0.50 U	107 %
TETRYL	0.50 U	90 %
NB	0.50 U	NS %
TNT	0.50 U	100 %
2,6-DNT	0.50 U	NS %
2,4-DNT	0.50 U	103 %
2-A-DNT	0.50 U	NS %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:06 11/20/94

RFW Batch Number: 9411D382 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 028	21CPCF 028	21CPCF 028	21CPCF 029	21CPCF 030	21CPCF 031	21CPCF 032	21CPCF 033
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	90 %	81 %	90 %	84 %	88 %	92 %	89 %	83 %
HMX	0.50 U	132 %	123 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	121 %	123 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	124 %	126 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	122 %	126 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	97 %	91 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	117 %	122 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	111 %	117 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	21CPCF 034	21CPCF 035	21CPCF 036	21CPCF 032D	21CPCF 033D	21CPCF 034D	21CPCF 035D	MB1
RFW#:	007	008	009	010	011	012	013	94DE281
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	91 %	88 %	88 %	83 %	87 %	81 %	82 %	96 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:06 11/20/94

RFW Batch Number: 9411D382 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 2

Sample Information:

Cust ID:	MB1S
RFW#:	94DE281
Matrix:	SOIL
D.F.:	2
Units:	mg/Kg
3-NT	98 %
HMX	129 %
RDX	132 %
TNB	133 %
DNB	132 %
TETRYL	95 %
NB	NS
TNT	123 %
2,6-DNT	NS
2,4-DNT	121 %
2-A-DNT	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 08:40 12/05/94

RFW Batch Number: 9411D394 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 037	21CPCF 037	21CPCF 037	21CPCF 038	21CPCF 039	21CPCF 040	21CPCF 041	21CPCF 042
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	72 %	69 %	65 %	70 %	72 %	68 %	70 %	74 %
HMX	0.50 U	102 %	107 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	97 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	98 %	100 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	94 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	85 %	86 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	91 %	88 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	88 %	87 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	21CPCF 043	21CPCF 044	21CPCF 045	21CPCF 046	21CPCF 047	21CPCF 048	21CPCF 049	21CPCF 050
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	71 %	73 %	73 %	72 %	71 %	72 %	70 %	69 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 08:40 12/05/94

RFW Batch Number: 9411D394 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 2

Sample Information:

Cust ID:	21CPCF 051	21CPCF 052	MB1	MB1S	21CPCF 053	21CPCF 053	21CPCF 053	21CPCF 054
RFW#:	015	016	94DE284	94DE284	017	017MS	017MSD	018
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	73 %	67 %	70 %	69 %	72 %	77 %	74 %	77 %
HMX	0.50 U	0.50 U	0.50 U	102 %	0.50 U	100 %	104 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	102 %	0.50 U	96 %	99 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	98 %	0.50 U	104 %	103 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	94 %	0.50 U	101 %	103 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	77 %	0.50 U	93 %	81 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	NS %	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	90 %	0.50 U	96 %	95 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	NS %	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	88 %	0.50 U	97 %	96 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	NS %	0.50 U	NS	NS	0.50 U

Sample Information:

Cust ID:	21CPCF 055	21CPCF 056	21CPCF 057	21CPCF 058	21CPCF 059	21CPCF 060	21CPCF 061	21CPCF 062
RFW#:	019	020	021	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	77 %	75 %	79 %	75 %	72 %	73 %	74 %	71 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 08:40

RFW Batch Number: 9411D394 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 3

Sample Information:

Cust ID:	21CPCF 063	21CPCF 064	21CPCF 065	21CPCF 066	21CPCF 067	21CPCF 068	21CPCF 069	21CPCF 070
RFW#:	027	028	029	030	031	032	033	034
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	72 %	73 %	74 %	74 %	73 %	73 %	75 %	77 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	21CPCF 071	21CPCF 072	MB1	MB1S
RFW#:	035	036	94DE285	94DE285
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	75 %	73 %	76 %	75 %
HMX	0.50 U	0.50 U	0.50 U	106 %
RDX	0.50 U	0.50 U	0.50 U	105 %
TNB	0.50 U	0.50 U	0.50 U	103 %
DNB	0.50 U	0.50 U	0.50 U	101 %
TETRYL	0.50 U	0.50 U	0.50 U	78 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	92 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	94 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:27 12/03/94

RFW Batch Number: 9411D395 CLIENT: TBD/AAAP WORK ORDER:03886-080-003-6900 page 1

Sample Information:

Cust ID:	21CPCF 073	21CPCF 074	21CPCF 075	21CPCF 076	21CPCF 077	21CPCF 078	21CPCF 079	21CPCF 080
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	77 %	79 %	75 %	75 %	74 %	74 %	95 %	71 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	2.66	1.06	0.50 U	0.50 U	1.27	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1
RFW#:	94DE286	94DE286
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT	76 %	70 %
HMX	0.50 U	105 %
RDX	0.50 U	108 %
TNB	0.50 U	104 %
DNB	0.50 U	101 %
TETRYL	0.50 U	77 %
NB	0.50 U	NS
TNT	0.50 U	90 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	92 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:55 11/07/94

RFW Batch Number: 9411D366 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 001	21CPCF 001	21CPCF 001	21CPCF 002	21CPCF 003	21CPCF 004	21CPCF 005	21CPCF 006
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	94 %	15 J	20 J	11 J	12 J	9.5 J	12 J

Sample Information:

Cust ID:	21CPCF 007	MB1	MB1S
RFW#:	007	94DM530	94DM530
Matrix:	SOIL	WATER	WATER
D.F.:	1	1	1
Units:	mg/kg	mg/L	mg/L
LEAD	17 J	0.50 U	96 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:46 11/07/94

RFW Batch Number: 9411D367 CLIENT: TSD/AAAP WORK ORDER:03886-080-003-6900 page 1

Sample Information:

	21CPCF 008	21CPCF 008	21CPCF 008	21CPCF 009	21CPCF 010	21CPCF 011	21CPCF 012	21CPCF 013
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	14 J	96 %	15 J	26 J	16 J	21 J	11 J	13 J

Sample Information:

Cust ID:	21CPCF 014	21CPCF 015	21CPCF 016	21CPCF 017	21CPCF 018	21CPCF 019	MB1	MB1S
RFW#:	007	008	009	010	011	012	94DM530	94DM530
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L
LEAD	21 J	18 J	14 J	12 J	13 J	12 J	0.50 U	96 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 16:31 11/14/94

RFW Batch Number: 9411D372 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 020	21CPCF 020	21CPCF 020	21CPCF 021	21CPCF 022	21CPCF 023	21CPCF 024	21CPCF 025
RFW#:	001	001REP	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	10 J	12 J	95 %	12 J	27 J	7.9 J	5.1 J	67

Sample Information:

Cust ID:	21CPCF 026	21CPCF 027	MB1	MB1S
RFW#:	007	008	94DM542	94DM542
Matrix:	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/L	mg/L
LEAD	7.7 J	55	0.50 U	93 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:15 11/21/94

RFW Batch Number: 9411D382 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 028	21CPCF 028	21CPCF 028	21CPCF 029	21CPCF 030	21CPCF 031	21CPCF 032	21CPCF 033
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	31 J	103 %	37 J	64	47 J	29 J	19 J	19 J

Sample Information:

Cust ID:	21CPCF 034	21CPCF 035	21CPCF 036	21CPCF 032D	21CPCF 033D	21CPCF 034D	21CPCF 035D	MB1
RFW#:	007	008	009	010	011	012	013	94DM558
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L
LEAD	15 J	20 J	73	13 J	21 J	16 J	7.5 J	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 16:44 12/04/94

RFW Batch Number: 9411D394 CLIENT: TSD/AAAP WORK ORDER: 03886-080-009-6900 page 2

Sample Information:

Cust ID:	21CPCF 051	21CPCF 052	21CPCF 053	21CPCF 054	MB1	MB1S	21CPCF 055	21CPCF 055
RFW#:	015	016	017	018	94DM572	94DM572	019	019MS
Matrix:	SOIL	SOIL	SOIL	SOIL	WATER	WATER	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg
LEAD	19 J	28 J	29 J	8.1 J	0.50 U	100 %	12 J	86 %

Sample Information:

Cust ID:	21CPCF 055	21CPCF 056	21CPCF 057	21CPCF 058	21CPCF 059	21CPCF 060	21CPCF 061	21CPCF 062
RFW#:	019REP	020	021	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	12 J	11 J	13 J	17 J	13 J	13 J	33 J	19 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SENT BYDEC 06 '94 03:09PM ROY F. WESTON, INC. 206 378 3926 ROY F. WESTON, INC.

Roy F. Weston, Inc. - Stockton Laboratory

Metals 16:44

RFW Batch Number: 9411D394 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 3

Sample Information:

Cust ID:	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF
	063	064	065	066	067	068	069	070
RFW#:	027	028	029	030	031	032	033	034
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	15 J	13 J	22 J	21 J	13 J	37 J	13 J	98

Sample Information:

Cust ID:	21CPCF	21CPCF	MB1	MB1S
	071	072		
RFW#:	035	036	94DM574	94DM574
Matrix:	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/L	mg/L
LEAD	120	56	0.50 U	98 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 12:18 11/19/94

RFW Batch Number: 9411D382 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 2

Sample Information:

Cust ID: MB1S

RFW#: 94DM558
Matrix: WATER
D.F.: 1
Units: mg/L

LEAD	101 %

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

LEAD

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 16:44 12/04/94

RFW Batch Number: 9411D394 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF
	037	037	037	038	039	040	041	042
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	21 J	96 %	24 J	20 J	16 J	23 J	19 J	18 J

Sample Information:

Cust ID:	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF	21CPCF
	043	044	045	046	047	048	049	050
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	17 J	28 J	21 J	20 J	12 J	15 J	22 J	13 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:58 12/04/94

RFW Batch Number: 9411D395 CLIENT: TSD/AAAP WORK ORDER:03B86-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 073	21CPCF 073	21CPCF 073	21CPCF 074	21CPCF 075	21CPCF 076	21CPCF 077	21CPCF 078
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	20 J	89 %	14 J	10 J	15 J	26 J	25 J	17 J

Sample Information:

Cust ID:	21CPCF 079	21CPCF 080	MB1	MB1S
RFW#:	007	008	94DM578	94DM578
Matrix:	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/L	mg/L
LEAD	15 J	16 J	0.50 U	91 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

ROY F. WESTON, INC.
STOCKTON LABORATORY
DEDICATED PROJECTS

ANALYTICAL CASE NARRATIVE

Client: TSD/AAAP
RFW #: 9502D533

W.O.#: 03886-080-009-6900
Date Rec'd: 02/09/95

NITROAROMATIC/NITROAMINE - EXPLOSIVE

1. This narrative covers the analysis of seven soil samples in accordance with protocols contained in the AAAP/CDAP2 Feb. 1994 (Rev.#7, 1995) and Weston SOP #21-16D-8330.1 which are based on SW846 Method 8330.

2. The samples were collected on 01 February 1995 and were received by Weston Laboratory at Stockton, California on 09 February 1995. The samples were extracted on 10 February 1995 and were analyzed on 13 February 1995.

3. The holding times for this analysis were met.

4. The initial calibration criteria was met.

5. The continuing calibration was within the CDAP limits of <20% difference.

6. The method blank associated with these samples did not contain any target compounds at or above the reporting limits.

7. Soil surrogate recoveries were within the current CDAP advisory limits (58-114% for blank; 61-119% for matrix).

8. Blank spike recoveries were within the current CDAP control limits.

9. Matrix spike recoveries were within the current CDAP advisory limits.

10. The RPDs between the MS/MSD pairs were within the current CDAP advisory limits.

Dale E. Gimble
Pesticides Unit Leader

2/22/95
Date

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:15 02/14/95

RFW Batch Number: 9502D533 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 611	21CPCF 611	21CPCF 611	21CPCF 612	21CPCF 613	21CPCF 614	21CPCF 614D	21CPCF 615
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	103 %	105 %	111 %	101 %	109 %	108 %	104 %	104 %
HMX	0.50 U	93 %	91 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	94 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	89 %	85 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	95 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	75 %	61 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	97 %	92 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	95 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	21CPCF 617	MB1	MB1S
RFW#:	007	95DE069	95DE069
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	109 %	103 %	105 %
HMX	0.50 U	0.50 U	96 %
RDX	0.50 U	0.50 U	98 %
TNB	0.57	0.50 U	92 %
DNB	0.50 U	0.50 U	96 %
TETRYL	0.50 U	0.50 U	68 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	95 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	97 %
2-A-DNT	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

APPENDIX [redacted]

Confirmatory Analytical Results for Lead (Tributary No.2)

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 12:41 02/14/95

RFW Batch Number: 9502D533 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	21CPCF 611	21CPCF 611	21CPCF 611	21CPCF 612	21CPCF 613	21CPCF 614	21CPCF 614D	21CPCF 615
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	11 J	82 %	10 J	8.5 J	10 J	10 J	8.7 J	10 J

Sample Information:

Cust ID:	21CPCF 617	MB1	MB1S
RFW#:	007	95DM738	95DM738
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	9.8 J	50 U	83 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

ROY F. WESTON, INC.
STOCKTON LABORATORY
DEDICATED PROJECTS
ANALYTICAL CASE NARRATIVE

Client: TSD/AAAP
RFW#: 9502D533

W.O.#: 03886-080-009-6900
Date Rec'd: 02/09/95

TOTAL METALS

1. This narrative covers the analysis of seven soil samples collected on 01 February 1995 for the following metal: Pb.

2. The samples were received by Weston Laboratory at Stockton, California on 09 February 1995 and were digested on 09 February 1995 using Weston's modified Method 3050. The samples were analyzed on 09 February 1995 by Weston's modified Method 6010, as specified in the AAAP/CDAP2 February 1994.

3. All analyses were performed within the required holding times.

4. All Initial Calibration Verifications (ICV's) were within the CDAP limits (90-110%).

5. All Continuing Calibration Verifications (CCV's) were within the CDAP limits (90-110%, except As, Ag, and Se at 80-120%).

6. All Initial and Continuing Calibration Blanks (ICB/CCB's) were below Reporting Limits.

7. All Preparation/Method Blanks were below Reporting Limits.

8. The Laboratory Control Sample (MB1S) was within the 80-120% CDAP limits (exception for Silver at 40-120% recovery).

9. All Matrix Spike recoveries were within the 75-125% CDAP limits (exception allowed when sample concentration exceeds the spike added concentration by a factor of 4 or more; exceptions also allowed for Silver and Antimony).

WESTON

APPENDIX

Confirmatory Analytical Results for Explosives (Tributary No. 2)

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch
Alabama Army Ammunition Plant

Site ID			SD-21-010A	SD-21-010B	SD-21-010C	SD-21-010D	SD-21-010E	SD-21-170A	SD-21-170A
Field Sample Number			R01SA1	R01SA1	R01SA1	R01SA1	R01SA1	R03SA1	R03SA2
Site Type			SURF	SURF	SURF	SURF	SURF	SURF	SURF
Collection Date			6/20/95	6/20/95	6/20/95	6/20/95	6/20/95	6/2/95	6/2/95
Depth (ft)			0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPLOSIVES									
Laboratory Id Number									
Parameter	Units	CRL							
2,4,6-Trinitrotoluene	µg/g	0.250	LT 0.0790	LT 0.0790	LT 0.0790	LT 0.0790	LT 0.0790	LT 0.0790	LT 0.0790 D
2,4-Dinitrotoluene	µg/g	0.310	LT 0.0540	LT 0.0540	LT 0.0540	LT 0.0540	LT 0.0540	LT 0.0540	LT 0.0540 D
2-Amino-4,6-Dinitrotoluene	µg/g	0.250	LT 0.0750	LT 0.0750	LT 0.0750	LT 0.0750	LT 0.0750	LT 0.0750	LT 0.0750 D
4-Amino-2,6-Dinitrotoluene	µg/g	0.250	LT 0.0900	LT 0.0900	LT 0.0900	LT 0.0900	LT 0.0900	LT 0.0900	LT 0.0900 D
Tetryl	µg/g	0.300	LT 0.0930	LT 0.0930	LT 0.0930	LT 0.0930	LT 0.0930	LT 0.0930	LT 0.0930 D
METALS									
Laboratory Id Number									
Parameter	Units	CRL							
Aluminum	µg/g	10.700	31000	17000	24000	21000	18000	13000	N/A
Arsenic	µg/g	8.000	ND 12.7 T	25.0 Z	ND 12.7 T	ND 12.7 T	19.0 Z	24.8 Z	N/A
Barium	µg/g	4.870	397	153	188	122	176	108	N/A
Beryllium	µg/g	0.250	3.48	1.04	1.75	1.36	1.37	0.969	N/A
Calcium	µg/g	109.000	41000	8190	27000	6240	14000	7200	N/A
Chromium	µg/g	0.974	32.7 B J	28.8 B J	40.0 B J	28.8 B J	24.5 B J	42.0	N/A
Cobalt	µg/g	2.500	10.0	7.87	16.3	8.19	4.62	LT 2.50	N/A
Copper	µg/g	3.380	17.7	18.1	9.85	20.8	14.1	58.5	N/A
Iron	µg/g	12.000	35000	42000	28000	43000	33000	61000	N/A
Lead	µg/g	10.000	40.7 J	55.2 J	43.5 J	60.4 J	41.0 J	35.0	N/A
Magnesium	µg/g	138.000	5780	1050	4280	1270	2560	1550	N/A
Manganese	µg/g	0.510	1400	840	1100	500	1100	1300	N/A
Mercury	µg/g	0.4	LT 0.0870	0.159	LT 0.0870	0.140	0.134	LT 0.0870	N/A
Molybdenum	µg/g	2	LT 4.00	LT 4.00	LT 4.00	LT 4.00	LT 4.00	13.3	N/A
Nickel	µg/g	7.500	LT 7.50	14.7	LT 7.50	20.5	11.2	21.7	N/A
Potassium	µg/g	142.000	2680	878	1660	1120	931	631	N/A
Selenium	µg/g	12.400	LT 12.4	LT 12.4	LT 12.4	LT 12.4	LT 12.4	LT 12.4	N/A
Sodium	µg/g	50.000	257	99.6	171	103	118	95.2	N/A
Thallium	µg/g	12.500	LT 12.5	LT 12 5	LT 12.5	LT 12.5	LT 12.5	LT 12.5	N/A
Vanadium	µg/g	2.000	54.7	49.1	47.8	52.6	42.6	55.1	N/A
Zinc	µg/g	4.000	72.7 B	80.4 B	43.3 B	78.5 B	53.9 B	64.4 B	N/A
PH									
Laboratory Id Number									
Parameter	Units	CRL							
pH	µg/g		N/A	N/A	N/A	N/A	N/A	N/A	N/A
SEMIVOLATILES									
Laboratory Id Number									
Parameter	Units	CRL							
Benzo(a)anthracene	µg/g	0.170	LT 0.170	LT 0.170	0.110 1	LT 0.170	LT 0.170	LT 0.170	N/A

Source SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID				SD-21-010A		SD-21-010B		SD-21-010C		SD-21-010D		SD-21-010E		SD-21-170A		SD-21-170A
Field Sample Number				R01SA1		R01SA1		R01SA1		R01SA1		R01SA1		R03SA1		R03SA2
Site Type				SURF		SURF		SURF		SURF		SURF		SURF		SURF
Collection Date				6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/2/95		6/2/95
Depth (ft)				0.00		0.00		0.00		0.00		0.00		0.00		0.00
Benzo(a)pyrene	µg/g	0.240														
Benzo(b)fluoranthene	µg/g	0.730	LT	0.240	LT	0.240	LT	0.240	LT	0.240	LT	0.240	LT	0.240		N/A
Benzo(g,h,i)perylene	µg/g	0.250	LT	0.730	LT	0.730	LT	0.730	LT	0.730	LT	0.730	LT	0.730		N/A
Benzoic Acid	µg/g	0.46	LT	0.250	LT	0.250	LT	0.250	LT	0.250	LT	0.250	LT	0.250		N/A
Chrysene	µg/g	0.270		**13.0**		**32.0**	LT	0.920		**13.0**	LT	0.920	LT	0.920		N/A
Fluoranthene	µg/g	0.170	LT	0.270	LT	0.270	LT	0.270	LT	0.270	LT	0.270	LT	0.270		N/A
Indeno(1,2,3-cd)pyrene	µg/g	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170		N/A
Phenanthrene	µg/g	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170		N/A
Pyrene	µg/g	0.970	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170		N/A
			LT	0.970	LT	0.970	LT	0.970	LT	0.970	LT	0.970	LT	0.970		N/A
TOTAL ORGANIC CARBON																
Laboratory Id Number																
Parameter	Units	CRL														
Total Organic Carbon	µg/g	*100*														
				60200		**111000**		**12100**		**101000**		**74100**		**16100**		N/A
VOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Acetone	µg/g	0.0446														
Methylene Chloride	µg/g	0.00616	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450		N/A
Methylethylketone	µg/g	0.00572		**0.0110** 1A	LT	0.00620		**0.00520** 1A	LT	0.00620	LT	0.00620		**0.0280** B		N/A
Toluene	µg/g	0.0025	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510		N/A
Total Xylene	µg/g	0.00596		**0.0160**	LT	0.00250	LT	0.00250		**0.00340** 1	LT	0.00250		**0.0780**		N/A
			LT	0.00750	LT	0.00750	LT	0.00750	LT	0.00750	LT	0.00750	LT	0.00750		N/A

Footnotes.
- CRL - Certified reporting limits
- ID - Identification
- N/A - Not applicable
- TICs - Tentatively Identified Compound

Boolean Codes:
- LT - Less than the certified reporting limit
- ND - Not detected

Flagging Codes:
- 1 - Result less than CRL but greater than COD.
- A - Analyte found in trip blank as well as in field samples.
- B - Analyte found in the method blank or QC blank
- C - Analysis was confirmed.
- D - Duplicate analysis.
- G - Analyte found in rinse blank as well as in sample.
- Q - Sample interference obscured peak of interest
- T - Non-target compound analyzed for but not detected (non-GC/MS methods).
- X - Analyte recoverey outside of certified range but within acceptable limi
- Z - Non-target compound analyzed for and detected (non-GC/MC methods)

Qualifiers:
- ? - Control chart not yet approved by USAEC.
- J - The low-spike recovery is low.
- K - Missed holding time for extraction and preparation

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID			SD-21-170B		SD-21-170B	SD-21-170B	SD-21-170B	SD-21-170B		SD-21-170C		SD-21-170D	
Field Sample Number			R03S01		R03SA1	SAIC03	SAIC04	SAIC05		R03SA1		R03SA1	
Site Type			SURF		SURF	SURF	SURF	SURF		SURF		SURF	
Collection Date			6/7/95		6/2/95	6/5/96	6/5/96	6/27/96		6/2/95		6/2/95	
Depth (ft)			0.00		0.00	0.00	0.00	0.00		0.00		0.00	
EXPLOSIVES													
Laboratory Id Number													
Parameter	Units	CRL											
2,4,6-Trinitrotoluene	µg/g	0.250	N/A	LT	0.0790	N/A	N/A	N/A	LT	0.0790	LT	0.0790	
2,4-Dinitrotoluene	µg/g	0.310	N/A	LT	0.0540	N/A	N/A	N/A	LT	0.0540		**0.397**	
2-Amino-4,6-Dinitrotoluene	µg/g	0.250	N/A	LT	0.0750	N/A	N/A	N/A	LT	0.0750	LT	0.0750	
4-Amino-2,6-Dinitrotoluene	µg/g	0.250	N/A	LT	0.0900	N/A	N/A	N/A	LT	0.0900	LT	0.0900	
Tetryl	µg/g	0.300	N/A	LT	0.0930	N/A	N/A	N/A	LT	0.0930	LT	0.0930	
METALS													
Laboratory Id Number													
Parameter	Units	CRL											
Aluminum	µg/g	10.700	N/A		**28000**	**13500**	**14000** D	**23100**		**38000**		**49000**	
Arsenic	µg/g	8.000	N/A		**52.9** Z	**22.4** ?	**22.9** D ?	**23.1**	ND	**12.7** T		**41.6** Z	
Barium	µg/g	4.870	N/A		**4100**	N/A	N/A	N/A		**83.8**		**71.7**	
Beryllium	µg/g	0.250	N/A		**2.06**	N/A	N/A	N/A		**1.59**		**2.50**	
Calcium	µg/g	109.000	N/A		**485**	N/A	N/A	N/A		**460**		**958**	
Chromium	µg/g	0.974	N/A		**40.0**	N/A	N/A	N/A		**41.9**		**33.6**	
Cobalt	µg/g	2.500	N/A	LT	2.50	N/A	N/A	N/A	LT	2.50		**14.2**	
Copper	µg/g	3.380	N/A		**40.4**	N/A	N/A	N/A		**59.1**		**64.9**	
Iron	µg/g	12.000	N/A		**70000**	**20500**	**25100** D	**25000**		**27000**		**26000**	
Lead	µg/g	10.000	N/A		**622**	**69.2**	**90.9** D	**131**		**214**		**158**	
Magnesium	µg/g	138.000	N/A		**473**	N/A	N/A	N/A		**531**		**709**	
Manganese	µg/g	0.510	N/A		**7400**	N/A	N/A	N/A		**163**		**121**	
Mercury	µg/g	0.4	N/A		**0.560**	**0.292**	**0.334** D	**0.653**		**1.00**		**0.666**	
Molybdenum	µg/g	2	N/A		**8.07**	N/A	N/A	N/A		**9.60**	LT	4.00	
Nickel	µg/g	7.500	N/A		**15.9**	N/A	N/A	N/A		**18.7**		**21.3**	
Potassium	µg/g	142.000	N/A		**653**	N/A	N/A	N/A		**585**		**652**	
Selenium	µg/g	12 400	N/A	LT	12.4	N/A	N/A	N/A	LT	12.4	LT	12.4	
Sodium	µg/g	50.000	N/A	LT	50.0	N/A	N/A	N/A	LT	50.0	LT	50.0	
Thallium	µg/g	12.500	N/A	LT	12.5	N/A	N/A	N/A	LT	12.5	LT	12.5	
Vanadium	µg/g	2.000	N/A		**133**	N/A	N/A	N/A		**67.6**		**63.6**	
Zinc	µg/g	4.000	N/A		**93.5** B	N/A	N/A	N/A		**88.0** B		**118** B	
PH													
Laboratory Id Number													
Parameter	Units	CRL											
pH	µg/g		N/A		N/A	N/A	N/A	N/A		N/A		N/A	
SEMIVOLATILES													
Laboratory Id Number													
Parameter	Units	CRL											
Benzo(a)anthracene	µg/g	0.170	N/A		**0.500**	N/A	N/A	N/A		**0.350**	LT	0.170	K

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID			SD-21-170B		SD-21-170B		SD-21-170B		SD-21-170B		SD-21-170B		SD-21-170C		SD-21-170D	
Field Sample Number			R03S01		R03SA1		SAIC03		SAIC04		SAIC05		R03SA1		R03SA1	
Site Type			SURF		SURF		SURF		SURF		SURF		SURF		SURF	
Collection Date			6/7/95		6/2/95		6/5/96		6/5/96		6/27/96		6/2/95		6/2/95	
Depth (ft)			0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Benzo(a)pyrene	µg/g	0.240														
Benzo(b)fluoranthene	µg/g	0.730	N/A		**0.570**		N/A		N/A		N/A		**0.620**	LT	0.240	K
Benzo(g,h,i)perylene	µg/g	0.250	N/A		**1.80**		N/A		N/A		N/A		**1.60**	LT	0.730	K
Benzoic Acid	µg/g	0.46	N/A	LT	0.250		N/A		N/A		N/A	LT	0.250	LT	0.250	K
Chrysene	µg/g	0.270	N/A	LT	0.920		N/A		N/A		N/A	LT	0.920	LT	0.920	K
Fluoranthene	µg/g	0.170	N/A		**1.10**		N/A		N/A		N/A		**0.610**	LT	0.270	K
Indeno(1,2,3-cd)pyrene	µg/g	0.170	N/A	LT	0.170		N/A		N/A		N/A	LT	0.170	LT	0.170	K
Phenanthrene	µg/g	0.170	N/A		**0.340**	1	N/A		N/A		N/A		**0.350**	1	LT	0.170	K
Pyrene	µg/g	0.970	N/A	LT	0.170		N/A		N/A		N/A	LT	0.170	LT	0.170	K
			N/A	LT	0.970		N/A		N/A		N/A	LT	0.970	LT	0.970	K
TOTAL ORGANIC CARBON																
Laboratory Id Number																
Parameter	Units	CRL														
Total Organic Carbon	µg/g	100														
			15500	D	**57300**		N/A		N/A		N/A		**57000**		**54000**	
VOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Acetone	µg/g	0.0446														
Methylene Chloride	µg/g	0.00616	N/A		**0.140**	X	N/A		N/A		N/A		**0.200**	A	**0.270**	X
Methylethylketone	µg/g	0.00572	N/A		**0.0340**	B	N/A		N/A		N/A		**0.0340**	B	**0.0180**	B
Toluene	µg/g	0.0025	N/A		**0.0200**		N/A		N/A		N/A		**0.0260**		**0.0140**	
Total Xylene	µg/g	0.00596	N/A		**0.0120**		N/A		N/A		N/A		**0.00540**	1	LT	0.00250
			N/A	LT	0.00750		N/A		N/A		N/A	LT	0.00750		LT	0.00750

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID			SD-21-220A		SD-21-220B		SD-21-220C		SD-21-220D		SD-21-220E		SD-21-310A		SD-21-310B
Field Sample Number			R04SA1		R04SA1		R04SA1		R04SA1		R04SA1		R04SA1		R04SA1
Site Type			SURF		SURF		SURF		SURF		SURF		SURF		SURF
Collection Date			6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95
Depth (ft)			0.00		0.00		0.00		0.00		0.00		0.00		0.00
EXPLOSIVES															
Laboratory Id Number															
Parameter	Units	CRL													
2,4,6-Trinitrotoluene	µg/g	0.250	**3.87** C		**0.163** C		**0.360** C		**0.215**	LT	0.0790	LT	0.0790	LT	0.0790
2,4-Dinitrotoluene	µg/g	0.310	**0.0549** C	LT	0.0540	LT	0.0540	LT	0.0540	LT	0.0540	LT	0.0540	LT	0.0540
2-Amino-4,6-Dinitrotoluene	µg/g	0.250	**0.498** C	LT	0.0750	LT	0.0750	LT	0.0750	LT	0.0750	LT	0.0750	LT	0.0750
4-Amino-2,6-Dinitrotoluene	µg/g	0.250	**0.437** Q	LT	0.0900	LT	0.0900	LT	0.0900	LT	0.0900	LT	0.0900	LT	0.0900
Tetryl	µg/g	0.300	**0.142** C	LT	0.0930	LT	0.0930	LT	0.0930	LT	0.0930	LT	0.0930	LT	0.0930
METALS															
Laboratory Id Number															
Parameter	Units	CRL													
Aluminum	µg/g	10.700	**13000**		**16000**		**22000**		**22000**		**15000**		**22000**		**22000**
Arsenic	µg/g	8.000	**16.0** Z		**40.4** Z	ND	12.7 T	ND	12.7 T	ND	12.7 T	ND	12.7 T	ND	12.7 T
Barium	µg/g	4.870	**118**		**116**		**202**		**231**		**89.5**		**80.4**		**100**
Beryllium	µg/g	0.250	**0.918**		**1.61**		**0.944**		**0.809**		**0.937**		**1.03**		**0.818**
Calcium	µg/g	109.000	**1270**		**636**		**1440**		**844**		**348**		**1370**		**1000**
Chromium	µg/g	0.974	**45.9** B J		**131** B J		**39.9**		**33.7**		**31.1**		**36.1**		**36.3**
Cobalt	µg/g	2.500	**5.22**		**5.04**		**10.5**		**5.06**		**3.55**		**11.5**		**9.91**
Copper	µg/g	3.380	**14.3**		**14.2**		**24.8**		**27.7**		**11.0**		**29.9**		**17.1**
Iron	µg/g	12.000	**59000**		**88000**		**40000**		**46000**		**45000**		**33000**		**20000**
Lead	µg/g	10.000	**182** J		**88.7** J		**116**		**92.1**		**17.3**		**43.8**	LT	10.0
Magnesium	µg/g	138.000	**689**		**483**		**1120**		**1110**		**590**		**595**		**655**
Manganese	µg/g	0.510	**1200**		**560**		**490**		**470**		**940**		**480**		**580**
Mercury	µg/g	0.4	**0.172**	LT	0.0870		**0.335**		**0.378**	LT	0.0870	LT	0.0870	LT	0.0870
Molybdenum	µg/g	2	**5.15**	LT	4.00	LT	4.00	LT	4.00	LT	4.00	LT	4.00	LT	4.00
Nickel	µg/g	7.500	**12.1**	LT	7.50	LT	7.50		**15.4**	LT	7.50	LT	7.50		**11.4**
Potassium	µg/g	142.000	**753**		**424**		**1270**		**1210**		**609**		**589**		**671**
Selenium	µg/g	12.400 LT	12.4	LT	12.4	LT	12.4	LT	12.4	LT	12.4	LT	12.4	LT	12.4
Sodium	µg/g	50.000	**71.1**		**95.3**	LT	50.0		**89.9**		**62.7**	LT	50.0		**75.0**
Thallium	µg/g	12.500 LT	12.5	LT	12.5	LT	12.5	LT	12.5	LT	12.5	LT	12.5	LT	12.5
Vanadium	µg/g	2.000	**70.1**		**125**		**68.1**		**58.7**		**58.2**		**59.2**		**49.5**
Zinc	µg/g	4.000	**48.9** B		**83.2** B		**84.7**		**65.5**		**35.0**		**138**		**82.5**
PH															
Laboratory Id Number															
Parameter	Units	CRL													
pH	µg/g		N/A		N/A		N/A		N/A		N/A		N/A		N/A
SEMIVOLATILES															
Laboratory Id Number															
Parameter	Units	CRL													
Benzo(a)anthracene	µg/g	0.170 LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170		**0.170** 1

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID				SD-21-220A		SD-21-220B		SD-21-220C		SD-21-220D		SD-21-220E		SD-21-310A		SD-21-310B
Field Sample Number				R04SA1		R04SA1		R04SA1		R04SA1		R04SA1		R04SA1		R04SA1
Site Type				SURF		SURF		SURF		SURF		SURF		SURF		SURF
Collection Date				6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95
Depth (ft)				0.00		0.00		0.00		0.00		0.00		0.00		0.00
Benzo(a)pyrene	µg/g	0.240														
Benzo(b)fluoranthene	µg/g	0.730	LT	0.240	LT	0.240	LT	0.240	LT	0.240	LT	0.240	LT	0.240		**0.290** 1
Benzo(g,h,i)perylene	µg/g	0.250	LT	0.730	LT	0.730	LT	0.730	LT	0.730	LT	0.730	LT	0.730	LT	0.730
Benzoic Acid	µg/g	0.46	LT	0.250	LT	0.250	LT	0.250	LT	0.250	LT	0.250	LT	0.250		**0.300** 1
Chrysene	µg/g	0.270	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920
Fluoranthene	µg/g	0.170	LT	0.270	LT	0.270	LT	0.270	LT	0.270	LT	0.270	LT	0.270	LT	0.270
Indeno(1,2,3-cd)pyrene	µg/g	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170		**0.250** 1		**0.360**
Phenanthrene	µg/g	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170		**0.200** 1
Pyrene	µg/g	0.970	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170	LT	0.170
			LT	0.970	LT	0.970	LT	0.970	LT	0.970	LT	0.970	LT	0.970	LT	0.970

TOTAL ORGANIC CARBON

Laboratory Id Number																
Parameter	Units	CRL														
Total Organic Carbon	µg/g	100														
				25500		**23600**		**26900**		**22100**		**28800**		**35800**		**23800**

VOLATILES

Laboratory Id Number																
Parameter	Units	CRL														
Acetone	µg/g	0.0446														
Methylene Chloride	µg/g	0.00616	LT	0.0450	LT	0.0450		**0.200** GA	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450
Methylethylketone	µg/g	0.00572		**0.00670** B1A	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620
Toluene	µg/g	0.0025	LT	0.00510	LT	0.00510		**0.0360**	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510
Total Xylene	µg/g	0.00596		**0.00460**	LT	0.00250		**0.0220**	LT	0.00250		**0.00370**		**0.00350** 1	LT	0.00250
			LT	0.00750	LT	0.00750	LT	0.00750	LT	0.00750	LT	0.00750	LT	0.00750	LT	0.00750

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID			SD-21-310C		SD-21-310D		SD-21-310E		SD-21-480A		SD-21-480B		SD-21-480C		SD-21-480D
Field Sample Number			R04SA1		R04SA1		R04SA1		R06SA1		R06SA1		R06SA1		R06SA1
Site Type			SURF		SURF		SURF		SURF		SURF		SURF		SURF
Collection Date			6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95
Depth (ft)			0.00		0.00		0.00		0.00		0.00		0.00		0.00
EXPLOSIVES															
Laboratory Id Number															
Parameter	Units	CRL													
2,4,6-Trinitrotoluene	µg/g	0.250	LT	0.0790	LT	0.0790	LT	0.0790	LT	0.0790	LT	0.0790		**0.0939** C	LT	0.0790
2,4-Dinitrotoluene	µg/g	0.310	LT	0.0540	LT	0.0540	LT	0.0540	LT	0.0540	LT	0.0540	LT	0.0540	LT	0.0540
2-Amino-4,6-Dinitrotoluene	µg/g	0.250	LT	0.0750	LT	0.0750	LT	0.0750	LT	0.0750	LT	0.0750	LT	0.0750	LT	0.0750
4-Amino-2,6-Dinitrotoluene	µg/g	0.250	LT	0.0900	LT	0.0900	LT	0.0900	LT	0.0900	LT	0.0900	LT	0.0900	LT	0.0900
Tetryl	µg/g	0.300	LT	0.0930	LT	0.0930	LT	0.0930	LT	0.0930	LT	0.0930	LT	0.0930	LT	0.0930
METALS															
Laboratory Id Number															
Parameter	Units	CRL													
Aluminum	µg/g	10.700		**13000**		**21000**		**17000**		**25000**		**35000**		**40000**		**26000**
Arsenic	µg/g	8.000	ND	12.7 T		**27.5** Z		**18.1** Z	ND	12.7 T		**24.0** Z	ND	12.7 T		**19.3** Z
Barium	µg/g	4.870		**70.8**		**188**		**74.5**		**1500**		**73.1**		**74.6**		**150**
Beryllium	µg/g	0.250		**0.713**		**1.57**		**0.940**		**1.08**		**0.814**		**1.76**		**0.725**
Calcium	µg/g	109.000		**1270**		**2400**		**1290**		**873**		**684**		**4020**		**800**
Chromium	µg/g	0.974		**20.2**		**294**		**68.5**		**29.5**		**48.3**		**44.3**		**38.8**
Cobalt	µg/g	2.500		**6.41**		**9.34**		**4.70**		**16.9**		**3.47**	LT	2.50	LT	2.50
Copper	µg/g	3.380		**23.0**		**20.8**		**21.4**		**15.9**		**20.4**		**105**		**33.2**
Iron	µg/g	12.000		**23000**		**93000**		**45000**		**41000**		**53000**		**83000**		**46000**
Lead	µg/g	10.000		**17.9**		**50.5**		**31.9**		**40.8**		**28.0**		**104**		**62.6**
Magnesium	µg/g	138.000		**462**		**929**		**458**		**836**		**1060**		**914**		**675**
Manganese	µg/g	0.510		**370**		**2600**		**560**		**21000**		**650**		**172**		**123**
Mercury	µg/g	0.4	LT	0.0870	LT	0.0870	LT	0.0870	LT	0.0870	LT	0.0870	LT	0.0870		**0.149**
Molybdenum	µg/g	2	LT	4.00	LT	4.00		**5.92**	LT	4.00	LT	4.00	LT	4.00	LT	4.00
Nickel	µg/g	7.500	LT	7.50		**23.3**		**11.6**		**15.3**		**15.2**	LT	7.50		**13.1**
Potassium	µg/g	142.000		**437**		**492**		**408**		**1070**		**1200**		**896**		**767**
Selenium	µg/g	12.400	LT	12.4	LT	12.4	LT	12.4	LT	12.4	LT	12.4	LT	12.4	LT	12.4
Sodium	µg/g	50.000	LT	50.0		**88.7**	LT	50.0	LT	50.0		**65.9**	LT	50.0	LT	50.0
Thallium	µg/g	12.500	LT	12.5	LT	12.5	LT	12.5	LT	12.5	LT	12.5	LT	12.5	LT	12.5
Vanadium	µg/g	2.000		**42.2**		**107**		**63.5**		**75.5**		**94.9**		**80.9**		**76.0**
Zinc	µg/g	4.000		**83.9**		**113**		**91.2**		**65.7**		**60.1**		**181**		**65.6**
PH															
Laboratory Id Number															
Parameter	Units	CRL													
pH	µg/g			N/A		N/A		N/A		N/A		N/A		N/A		N/A
SEMIVOLATILES															
Laboratory Id Number															
Parameter	Units	CRL													
Benzo(a)anthracene	µg/g	0.170		**0.270**		**0.160** 1		**0.630**	LT	0.170	LT	0.170	LT	0.170	LT	0 170

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID			SD-21-310C		SD-21-310D		SD-21-310E		SD-21-480A		SD-21-480B		SD-21-480C		SD-21-480D	
Field Sample Number			R04SA1		R04SA1		R04SA1		R06SA1		R06SA1		R06SA1		R06SA1	
Site Type			SURF		SURF		SURF		SURF		SURF		SURF		SURF	
Collection Date			6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95		6/20/95	
Depth (ft)			0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Benzo(a)pyrene	µg/g	0.240														
Benzo(b)fluoranthene	µg/g	0.730	**0.210**	1	**0.350**		**0.730**		LT 0.240		LT 0.240		LT 0.240		**0.320**	1
Benzo(g,h,i)perylene	µg/g	0.250	LT 0.730		LT 0.730		**0.830**	1	LT 0.730		LT 0.730		LT 0.730		**0.610**	1
Benzoic Acid	µg/g	0.46	LT 0.250		**0.340**		LT 0.250		LT 0.250		LT 0.250		LT 0.250		LT 0.250	
Chrysene	µg/g	0.270	LT 0.920		LT 0.920		LT 0.920		LT 0.920		LT 0.920		**17.0**		LT 0.920	
Fluoranthene	µg/g	0.170	**0.250**	1	LT 0.270		**0.630**		LT 0.270		LT 0.270		LT 0.270		**0.440**	
Indeno(1,2,3-cd)pyrene	µg/g	0.170	**0.560**		**0.300**		**0.670**		LT 0.170		LT 0.170		LT 0.170		**0.620**	
Phenanthrene	µg/g	0.170	LT 0.170		**0.260**		**0.280**		LT 0.170		LT 0.170		LT 0.170		LT 0.170	
Pyrene	µg/g	0.970	**0.230**	1	LT 0.170		LT 0.170		LT 0.170		LT 0.170		LT 0.170		**0.640**	
			LT 0.970		LT 0.970		LT 0.970		LT 0.970		LT 0.970		LT 0.970		**0.760**	1
TOTAL ORGANIC CARBON																
Laboratory Id Number																
Parameter	Units	CRL														
Total Organic Carbon	µg/g	100														
			22800		**12200**		**22100**		**17500**		**7710**		**199000**		**50600**	
VOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Acetone	µg/g	0.0446														
Methylene Chloride	µg/g	0.00616	**0.0620**	GA	LT 0.0450		LT 0.0450		LT 0.0450		LT 0.0450		LT 0.0450		LT 0.0450	
Methylethylketone	µg/g	0.00572	**0.00670**	1BA	**0.00530**	B1A	**0.00690**	1A	**0.00720**	1A	**0.00620**	1A	LT 0.00620		LT 0.00620	
Toluene	µg/g	0.0025	**0.0100**		LT 0.00510		LT 0.00510		LT 0.00510		LT 0.00510		LT 0.00510		LT 0.00510	
Total Xylene	µg/g	0.00596	LT 0.00250		LT 0.00250		**0.0160**		**0.0270**		**0.0190**		LT 0.00250		**0.0190**	
			LT 0.00750		LT 0.00750		**0.00540**	1	LT 0.00750		LT 0.00750		LT 0.00750		LT 0.00750	

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID				SD-21-480E		SD-21-500	
Field Sample Number				R06SA1		SAIC01	
Site Type				SURF		SURF	
Collection Date				6/20/95		6/4/96	
Depth (ft)				0.00		5.00	
EXPLOSIVES							
Laboratory Id Number							
Parameter	Units	CRL					
2,4,6-Trinitrotoluene	µg/g	0.250	LT	0.0790	LT	0.0870	
2,4-Dinitrotoluene	µg/g	0.310	LT	0.0540	LT	0.160	
2-Amino-4,6-Dinitrotoluene	µg/g	0.250	LT	0.0750	LT	0.0810	
4-Amino-2,6-Dinitrotoluene	µg/g	0.250	LT	0.0900	LT	0.0830	
Tetryl	µg/g	0.300	LT	0.0930	LT	0.0980	
METALS							
Laboratory Id Number							
Parameter	Units	CRL					
Aluminum	µg/g	10.700		**32000**		**7140**	
Arsenic	µg/g	8.000		**16.5** Z		**9.91**	?
Barium	µg/g	4.870		**167**		**17.6**	
Beryllium	µg/g	0.250		**1.59**	LT	0.500	
Calcium	µg/g	109.000		**14000**		**752**	
Chromium	µg/g	0.974		**46.6**		**22.6**	
Cobalt	µg/g	2.500		**9.68**		**2.58**	
Copper	µg/g	3.380		**15.2**		**8.52**	
Iron	µg/g	12.000		**34000**		**28400**	
Lead	µg/g	10.000		**23.0**		**21.8**	?
Magnesium	µg/g	138.000		**2940**		**188**	
Manganese	µg/g	0.510		**870**		**67.4**	
Mercury	µg/g	0.4	LT	0.0870	LT	0.0500	
Molybdenum	µg/g	2	LT	4.00		N/A	
Nickel	µg/g	7.500		**13.4**		**2.63**	
Potassium	µg/g	142.000		**1770**		**262**	
Selenium	µg/g	12.400	LT	12.4		**0.546**	?
Sodium	µg/g	50.000		**135**		**473**	
Thallium	µg/g	12.500	LT	12.5		**0.381**	?
Vanadium	µg/g	2.000		**68.5**		**34.8**	
Zinc	µg/g	4.000		**47.5**		**12.1**	
PH							
Laboratory Id Number							
Parameter	Units	CRL					
pH	µg/g			N/A		N/A	
SEMIVOLATILES							
Laboratory Id Number							
Parameter	Units	CRL					
Benzo(a)anthracene	µg/g	0 170	LT	0.170		N/A	

Source. SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Sediment - Study Area 21 - Red Water Ditch (Continued)
Alabama Army Ammunition Plant

Site ID				SD-21-480E	SD-21-500
Field Sample Number				R06SA1	SAIC01
Site Type				SURF	SURF
Collection Date				6/20/95	6/4/96
Depth (ft)				0.00	5.00
Benzo(a)pyrene	µg/g	0.240			
Benzo(b)fluoranthene	µg/g	0.730	LT	0.240	N/A
Benzo(g,h,i)perylene	µg/g	0.250	LT	0.730	N/A
Benzoic Acid	µg/g	0.46	LT	0.250	N/A
Chrysene	µg/g	0.270	LT	0.920	N/A
Fluoranthene	µg/g	0.170	LT	0.270	N/A
Indeno(1,2,3-cd)pyrene	µg/g	0.170	LT	0.170	N/A
Phenanthrene	µg/g	0.170	LT	0.170	N/A
Pyrene	µg/g	0.970	LT	0.170	N/A
			LT	0.970	N/A

TOTAL ORGANIC CARBON

Laboratory Id Number					
Parameter	Units	CRL			
Total Organic Carbon	µg/g	100			
				26400	N/A

VOLATILES

Laboratory Id Number					
Parameter	Units	CRL			
Acetone	µg/g	0.0446			
Methylene Chloride	µg/g	0.00616	LT	0.0450	N/A
Methylethylketone	µg/g	0.00572	LT	0.00620	N/A
Toluene	µg/g	0.0025	LT	0.00510	N/A
Total Xylene	µg/g	0.00596		**0.0210**	N/A
			LT	0.00750	N/A

Source: SAIC Supplemental RI Report, April 1999

APPENDIX B1
Confirmation Sample Results
Study Area 7
WESTON

C1. Analytical Data for Explosives (Study Area 7)

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 09:27 01/10/95

RFW Batch Number: 9412D401 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 081	07CPCF 082	07CPCF 083	07CPCF 084	07CPCF 085	07CPCF 086	07CPCF 087	07CPCF 087
RFW#:	001	002	003	004	005	006	007	007MS
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	75 %	78 %	75 %	74 %	77 %	75 %	76 %	74 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	1.05	0.50 U	0.50 U	95 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	100 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.53	0.77	0.50 U	69 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	3.05	0.50 U	0.50 U	15.80	0.77	0.50 U	0.50 U	85 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	07CPCF 087	07CPCF 088	MB1	MB1S
RFW#:	007MSD	008	94DE289	94DE289
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT	74 %	73 %	72 %	76 %
HMX	98 %	0.50 U	0.50 U	106 %
RDX	97 %	0.50 U	0.50 U	101 %
TNB	91 %	0.50 U	0.50 U	102 %
DNB	98 %	0.50 U	0.50 U	99 %
TETRYL	63 %	0.50 U	0.50 U	83 %
NB	NS %	0.50 U	0.50 U	NS
TNT	85 %	0.50 U	0.50 U	97 %
2,6-DNT	NS %	0.50 U	0.50 U	NS
2,4-DNT	96 %	0.50 U	0.50 U	96 %
2-A-DNT	NS %	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 09:58 12/28/94

RFW Batch Number: 9412D410 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 095	07CPCF 095	07CPCF 095	07CPCF 096	07CPCF 097	07CPCF 098	07CPCF 099	07CPCF 100
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	88 %	88 %	90 %	99 %	96 %	96 %	96 %	97 %
HMX	0.50 U	116 %	119 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	115 %	117 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	127 %	127 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	122 %	123 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	108 %	107 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	120 %	120 %	0.50 U	0.50 U	1.18	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	119 %	120 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	07CPCF 101	07CPCF 102	07CPCF 103	07CPCF 104	07CPCF 105	07CPCF 106	07CPCF 107	07CPCF 108
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	95 %	92 %	93 %	96 %	89 %	87 %	100 %	93 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 09:58 12/28/94

RFW Batch Number: 9412D410 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 109	07CPCF 110	07CPCF 111	07CPCF 112	07CPCF 113	07CPCF 114	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DE292	94DE292
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	94 %	97 %	96 %	89 %	97 %	95 %	92 %	87 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	121 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	122 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	126 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	124 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	77 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	118 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	119 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:17 12/14/94

RFW Batch Number: 9412D401 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	RN210GS 003	MB1	MB1S
RFW#:	001	94DE288	94DE288
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT	77 %	76 %	75 %
HMX	0.50 U	0.50 U	69 %
RDX	0.50 U	0.50 U	67 %
TNB	0.50 U	0.50 U	64 %
DNB	0.50 U	0.50 U	61 %
TETRYL	0.50 U	0.50 U	30 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	49 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	58 %
2-A-DNT	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:17 12/14/94

RFW Batch Number: 9412D401 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	RN210GS 003	MB1	MB1S
RFW#:	001	94DE288	94DE288
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT	77 %	76 %	75 %
HMX	0.50 U	0.50 U	69 %
RDX	0.50 U	0.50 U	67 %
TNB	0.50 U	0.50 U	64 %
DNB	0.50 U	0.50 U	61 %
TETRYL	0.50 U	0.50 U	30 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	49 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	58 %
2-A-DNT	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:25 12/28/94

RFW Batch Number: 9412D411 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 115	07CPCF 115	07CPCF 115	07CPCF 116	07CPCF 117	07CPCF 118	07CPCF 119	07CPCF 120
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	98 %	93 %	92 %	101 %	100 %	99 %	100 %	105 %
HMX	0.50 U	106 %	105 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	118 %	118 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	122 %	122 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	126 %	126 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	98 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	119 %	121 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	124 %	124 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	07CPCF 121	07CPCF 122	07CPCF 123	07CPCF 124	07CPCF 125	07CPCF 126	07CPCF 127	07CPCF 128
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	99 %	102 %	100 %	95 %	94 %	93 %	91 %	107 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:25 12/28/94

RFW Batch Number: 9412D411 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 129	07CPCF 130	07CPCF 131	07CPCF 132	07CPCF 133	07CPCF 134	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DE293	94DE293
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	99 %	100 %	104 %	107 %	105 %	92 %	99 %	102 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	123 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	123 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	130 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	127 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	113 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	123 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	126 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:27 12/27/94

RFW Batch Number: 9412D412 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 135	07CPCF 135	07CPCF 135	07CPCF 136	07CPCF 137	07CPCF 138	07CPCF 139	07CPCF 140
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	102 %	94 %	93 %	104 %	104 %	103 %	103 %	109 %
HMX	0.50 U	123 %	133 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	127 %	132 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	104 %	126 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	141 %	145 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	41 %	44 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	121 %	127 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	133 %	136 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	07CPCF 141	07CPCF 142	07CPCF 143	07CPCF 144	07CPCF 145	07CPCF 146	07CPCF 147	07CPCF 149
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	98 %	99 %	102 %	103 %	102 %	98 %	102 %	101 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:27 12/27/94

RFW Batch Number: 9412D412 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 150	07CPCF 151	07CPCF 152	07CPCF 153	07CPCF 154	07CPCF 155	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DE294	94DE294
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	103 %	99 %	99 %	97 %	103 %	93 %	94 %	102 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	141 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	138 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	129 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	142 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	59 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	126 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	131 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:42 12/28/94

RFW Batch Number: 9412D413 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 156	07CPCF 156	07CPCF 156	07CPCF 157	07CPCF 158	07CPCF 159	07CPCF 160	07CPCF 161
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	112 %	110 %	108 %	111 %	112 %	115 %	117 %	115 %
HMX	0.50 U	134 %	132 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	133 %	137 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	138 %	133 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	142 %	144 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	115 %	105 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	133 %	132 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	134 %	134 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	07CPCF 162	07CPCF 163	07CPCF 164	07CPCF 165	07CPCF 166	07CPCF 162	07CPCF 168	07CPCF 169
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	113 %	112 %	114 %	113 %	111 %	110 %	107 %	109 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:42 12/28/94

RFW Batch Number: 9412D413 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 170	07CPCF 171	07CPCF 172	07CPCF 173	07CPCF 174	07CPCF 148	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DE295	94DE295
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	109 %	108 %	103 %	102 %	104 %	105 %	110 %	107 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	137 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	136 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	135 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	140 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
NB	2.39	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	127 %
2,6-DNT	16.12	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	26.70	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	129 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	07CPCF 104D	07CPCF 104D	07CPCF 104D	07CPCF 114D	07CPCF 124D	07CPCF 155D	07CPCF 134D	07CPCF 144D
RFW#:	021	021MS	021MSD	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	110 %	112 %	103 %	114 %	107 %	103 %	104 %	106 %
HMX	0.50 U	121 %	107 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	122 %	128 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	130 %	129 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	136 %	139 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	98 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	126 %	125 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	128 %	130 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 14:42

RFW Batch Number: 9412D413 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 3

Sample Information:

Cust ID:	07CPCF 174D	MB1	MB1S
RFW#:	027	94DE296	94DE296
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	113 %	109 %	100 %
HMX	0.50 U	0.50 U	126 %
RDX	0.50 U	0.50 U	127 %
TNB	0.50 U	0.50 U	125 %
DNB	0.50 U	0.50 U	129 %
TETRYL	0.50 U	0.50 U	86 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	119 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	120 %
2-A-DNT	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:17 12/14/94

RFW Batch Number: 9412D401 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	RN210GS 003	MB1	MB1S
RFW#:	001	94DE288	94DE288
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT	77 %	76 %	75 %
HMX	0.50 U	0.50 U	69 %
RDX	0.50 U	0.50 U	67 %
TNB	0.50 U	0.50 U	64 %
DNB	0.50 U	0.50 U	61 %
TETRYL	0.50 U	0.50 U	30 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	49 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	58 %
2-A-DNT	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:37 01/03/95

RFW Batch Number: 9412D416 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	07CPCF 175	07CPCF 176	07CPCF 187	07CPCF 175	MB1	MB1S	07CPCF 177	07CPCF 177
RFW#:	001	002	013	001Re	94DE296	94DE296	003	003MS
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	400	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	110 %	109 %	103 %	D	109 %	100 %	105 %	103 %
HMX	0.50 U	0.50 U	0.50 U	100.00 U	0.50 U	126 %	0.50 U	124 %
RDX	0.50 U	0.50 U	0.50 U	100.00 U	0.50 U	127 %	0.50 U	114 %
TNB	0.50 U	0.50 U	2.95	100.00 U	0.50 U	125 %	0.50 U	135 %
DNB	0.50 U	0.50 U	0.50 U	100.00 U	0.50 U	129 %	0.50 U	136 %
TETRYL	0.50 U	2.06	6.90	100.00 U	0.50 U	86 %	0.50 U	113 %
NB	0.50 U	0.50 U	0.50 U	100.00 U	0.50 U	NS	0.50 U	NS
TNT	5.59	38.69	47.48	100.00 U	0.50 U	119 %	0.50 U	127 %
2,6-DNT	0.50 U	0.50 U	0.50 U	100.00 U	0.50 U	NS	0.50 U	NS
2,4-DNT	2673.90 E	0.50 U	0.50 U	2659.19	0.50 U	120 %	0.50 U	127 %
2-A-DNT	0.50 U	0.50 U	0.50 U	100.00 U	0.50 U	NS	0.50 U	NS

Sample Information:

Cust ID:	07CPCF 177	07CPCF 178	07CPCF 179	07CPCF 180	07CPCF 181	07CPCF 182	07CPCF 183	07CPCF 184
RFW#:	003MSD	004	005	006	007	008	009	010
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	104 %	105 %	107 %	113 %	109 %	102 %	107 %	107 %
HMX	126 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	118 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	135 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	137 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	114 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	127 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	127 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:37 01/03/95

RFW Batch Number: 9412D416 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 2

Sample Information:

Cust ID:	07CPCF 185	07CPCF 186	07CPCF 188	07CPCF 189	07CPCF 190	MB1	MB1S
RFW#:	011	012	014	015	016	94DE297	94DE297
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	105 %	104 %	107 %	106 %	107 %	104 %	100 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	128 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	128 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	125 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	130 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	86 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	120 %
2,6-DNT	0.50 U	1.09	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	1.40	0.50 U	0.50 U	120 %
2-A-DNT	0.50 U	0.38 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:01 01/03/95

RFW Batch Number: 9412D417 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 201	07CPCF 201	07CPCF 201	07CPCF 202	07CPCF 203	07CPCF 204	07CPCF 205	07CPCF 206
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	87 %	81 %	82 %	90 %	66 %	62 %	67 %	62 %
HMX	0.50 U	110 %	114 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	108 %	111 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	107 %	112 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	111 %	114 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	84 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	101 %	105 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	101 %	104 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	07CPCF 207	07CPCF 208	07CPCF 209	07CPCF 210	07CPCF 191	07CPCF 192	07CPCF 193	07CPCF 194
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	91 %	94 %	94 %	97 %	94 %	90 %	84 %	91 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:01 01/03/95

RFW Batch Number: 9412D417 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 195	07CPCF 196	07CPCF 197	07CPCF 198	07CPCF 199	07CPCF 200	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DE299	94DE299
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	89 %	94 %	92 %	90 %	89 %	90 %	101 %	85 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	117 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	119 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	116 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	116 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	81 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	101 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	07CPCF 211	07CPCF 211	07CPCF 211	07CPCF 212	07CPCF 213	07CPCF 214	07CPCF 215	07CPCF 216
RFW#:	021	021MS	021MSD	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	97 %	87 %	93 %	93 %	90 %	91 %	91 %	92 %
HMX	0.50 U	120 %	130 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	118 %	129 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	116 %	125 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	116 %	126 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	82 %	77 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	108 %	115 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	109 %	113 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 17:01

RFW Batch Number: 9412D417 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 3

Sample Information:

Cust ID:	07CPCF 217	07CPCF 218	MB1	MB1S
RFW#:	027	028	94DE300	94DE300
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	92 %	94 %	96 %	99 %
HMX	0.50 U	0.50 U	0.50 U	134 %
RDX	0.50 U	0.50 U	0.50 U	136 %
TNB	0.50 U	0.50 U	0.50 U	130 %
DNB	0.50 U	0.50 U	0.50 U	130 %
TETRYL	0.50 U	0.50 U	0.50 U	86 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	122 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	120 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:30 01/04/95

RFW Batch Number: 9412D418 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 219	07CPCF 220	07CPCF 221	07CPCF 222	07CPCF 223	07CPCF 224	07CPCF 225	07CPCF 226
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	87 %	112 %	94 %	98 %	105 %	100 %	102 %	103 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	07CPCF 227	07CPCF 228	07CPCF 229	07CPCF 230	07CPCF 231	07CPCF 232	07CPCF 233	07CPCF 236
RFW#:	009	010	011	012	013	014	015	016
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	102 %	94 %	88 %	110 %	95 %	95 %	93 %	108 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	1.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.21
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:30 01/04/95

RFW Batch Number: 9412D418 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 237	07CPCF 238	07CPCF 239	07CPCF 240	07CPCF 240	07CPCF 240	MB1	MB1S
RFW#:	017	018	019	020	020MS	020MSD	94DE301	94DE301
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	93 %	104 %	100 %	102 %	92 %	91 %	102 %	117 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	122 %	120 %	0.50 U	116 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	114 %	113 %	0.50 U	117 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	116 %	115 %	0.50 U	115 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	119 %	121 %	0.50 U	117 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	68 %	52 %	0.50 U	80 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	106 %	105 %	0.50 U	108 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	118 %	114 %	0.50 U	108 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	NS

Sample Information:

Cust ID:	MB1S-Re	07CPCF 241	07CPCF 242	07CPCF 243	07CPCF 244	07CPCF 245	07CPCF 246	MB1
RFW#:	94DE301	021	022	023	024	025	026	94DE302
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	123 %	104 %	105 %	102 %	93 %	99 %	103 %	98 %
HMX	124 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	126 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	124 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	127 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	86 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	118 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	116 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 15:30

RFW Batch Number: 9412D418 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 3

Sample Information:

Cust ID:	MB1S	MB1S-Re
RFW#:	94DE302	94DE302
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT(ss)	85 %	87 %
HMX	133 %	138 %
RDX	134 %	135 %
TNB	128 %	127 %
DNB	134 %	135 %
TETRYL	77 %	70 %
NB	NS	NS
TNT	122 %	122 %
2,6-DNT	NS	NS
2,4-DNT	125 %	125 %
2-A-DNT	NS	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

C2. Analytical Data for Lead (Study Area 7)

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 09:34 01/10/95

RFW Batch Number: 9412D401 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 081	07CPCF 081	07CPCF 081	07CPCF 082	07CPCF 083	07CPCF 084	07CPCF 085	07CPCF 086
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	63	59 %	56	13 J	12 J	23 J	20 J	60

Sample Information:

Cust ID:	07CPCF 087	07CPCF 088	MB1	MB1S	RN210GS 003	RN210GS 003	RN210GS 003	MB1
RFW#:	007	008	94DM588	94DM588	009	009MS	009REP	94DM587
Matrix:	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER	WATER
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LEAD	37 J	24 J	0.50 U	98 %	0.50 U	97 %	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 15:33 12/11/94

RFW Batch Number: 9411D401 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID: MB1S

RFW#: 94DM587
Matrix: WATER
D.F.: 1
Units: mg/L

LEAD	100 %

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

LEAD

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 17:04 12/19/94

RFW Batch Number: 9412D410 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 095	07CPCF 095MS	07CPCF 095REP	07CPCF 096	07CPCF 097	07CPCF 098	07CPCF 099	07CPCF 100
RFW#:	001	001	001	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	21 J	96 %	27 J	46 J	27 J	15 J	18 J	11 J

Sample Information:

Cust ID:	07CPCF 101	07CPCF 102	07CPCF 103	07CPCF 104	07CPCF 105	07CPCF 106	07CPCF 107	07CPCF 108
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	12 J	9.2 J	20 J	16 J	13 J	77	27 J	32 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 18:34 12/16/94

RFW Batch Number: 9412D410 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 109	07CPCF 110	07CPCF 111	07CPCF 112	07CPCF 113	07CPCF 114	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DM599	94DM599
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L
LEAD	26 J	17 J	11 J	11 J	15 J	49 J	0.50 U	85 %

Sample Information:

Cust ID:								
RFW#:								
Matrix:								
D.F.:								
Units:								
LEAD								

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:05 12/18/94

RFW Batch Number: 9412D411 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 115	07CPCF 115	07CPCF 115	07CPCF 116	07CPCF 117	07CPCF 118	07CPCF 119	07CPCF 120
RFW#:	001	001REP	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	26 J	24 J	108 %	16 J	27 J	24 J	20 J	21 J

Sample Information:

Cust ID:	07CPCF 121	07CPCF 122	07CPCF 123	07CPCF 124	07CPCF 125	07CPCF 126	07CPCF 127	07CPCF 128
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	47 J	35 J	25 J	24 J	68	25 J	24 J	22 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 14:05 12/18/94

RFW Batch Number: 9412D411 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 129	07CPCF 130	07CPCF 131	07CPCF 132	07CPCF 133	07CPCF 134	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DM601	94DM601
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L
LEAD	15 J	11 J	20 J	22 J	34 J	32 J	0.50 U	89 %

Sample Information:

Cust ID:								
RFW#:								
Matrix:								
D.F.:								
Units:								
LEAD								

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 17:08 12/20/94

RFW Batch Number: 9412D412 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 135	07CPCF 135	07CPCF 135	07CPCF 136	07CPCF 137	07CPCF 138	07CPCF 139	07CPCF 140
RFW#:	001	001REP	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	10 J	92 %	28 J	13 J	18 J	79	11 J

Sample Information:

Cust ID:	07CPCF 141	07CPCF 142	07CPCF 143	07CPCF 144	07CPCF 145	07CPCF 146	07CPCF 147	07CPCF 149
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	81	19 J	15 J	10 J	11 J	9.8 J	8.7 J	38 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 17:08 12/20/94

RFW Batch Number: 9412D412 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 150	07CPCF 151	07CPCF 152	07CPCF 153	07CPCF 154	07CPCF 155	MB1	MB1S
RFW#:	015	016	017	018	019	020	94DM603	94DM603
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L
LEAD	29 J	18 J	53	17 J	18 J	13 J	0.50 U	95 %

Sample Information:

Cust ID:								
RFW#:								
Matrix:								
D.F.:								
Units:								
LEAD								

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:46 12/28/94

RFW Batch Number: 9412D413 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 156	07CPCF 156	07CPCF 156	07CPCF 157	07CPCF 158	07CPCF 159	07CPCF 160	07CPCF 161
RFW#:	001	001REP	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	12 J	97 %	12 J	14 J	16 J	65	16 J

Sample Information:

Cust ID:	07CPCF 162	07CPCF 163	07CPCF 164	07CPCF 165	07CPCF 166	07CPCF 167	07CPCF 168	07CPCF 169
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	28 J	14 J	12 J	37 J	24 J	14 J	20 J	9.7 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 14:46 12/28/94

RFW Batch Number: 9412D413 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	MB1	MB1S	07CPCF 170	07CPCF 170	07CPCF 170	07CPCF 171	07CPCF 172	07CPCF 173
RFW#:	94DM608	94DM608	015	015REP	015MS	016	017	018
Matrix:	WATER	WATER	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	0.50 U	93 %	9.3 J	11 J	85 %	6.8 J	8.8 J	25 J

Sample Information:

Cust ID:	07CPCF 174	07CPCF 148	07CPCF 104D	07CPCF 114D	07CPCF 124D	07CPCF 155D	07CPCF 134D	07CPCF 144D
RFW#:	019	020	021	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	11 J	51	117	19 J	10 J	23 J	8.9 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

Metals 14:46

RFW Batch Number: 9412D413 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 3

Sample Information:

Cust ID:	07CPCF 174D	MB1	MB1S
RFW#:	027	94DM613	94DM613
Matrix:	SOIL	WATER	WATER
D.F.:	1	1	1
Units:	mg/kg	mg/L	mg/L

LEAD	16 J	0.50 U	91 %

Sample Information:

Cust ID:			
RFW#:			
Matrix:			
D.F.:			
Units:			

LEAD			

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:28 12/27/94

RFW Batch Number: 9412D416 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 1

Sample Information:

Cust ID:	07CPCF 175	07CPCF 175	07CPCF 175	07CPCF 176	07CPCF 177	07CPCF 178	07CPCF 179	07CPCF 180
RFW#:	001	001REP	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	14 J	10 J	80 %	17 J	24 J	7.9 J	9.9 J	14 J

Sample Information:

Cust ID:	07CPCF 181	07CPCF 182	07CPCF 183	07CPCF 184	07CPCF 185	07CPCF 186	07CPCF 187	07CPCF 188
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	16 J	11 J	13 J	14 J	10 J	25 J	13 J	13 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 14:28 12/27/94

RFW Batch Number: 9412D416 CLIENT: TSD/AAAP WORK ORDER:03886-080-009-6900 page 2

Sample Information:

Cust ID:	07CPCF 189	07CPCF 190	MB1	MB1S
RFW#:	015	016	94DM614	94DM614
Matrix:	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/L	mg/L
LEAD	26 J	16 J	0.50 U	88 %

Sample Information:

Cust ID:				
RFW#:				
Matrix:				
D.F.:				
Units:				
LEAD				

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 10:26 12/31/94

RFW Batch Number: 9412D417 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 201	07CPCF 201	07CPCF 201	07CPCF 202	07CPCF 203	07CPCF 204	07CPCF 205	07CPCF 206
RFW#:	001	001REP	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	50 U	5.7 J	100 %	7.5 J	83	21 J	4.8 J	11 J

Sample Information:

Cust ID:	07CPCF 207	07CPCF 208	07CPCF 209	07CPCF 210	07CPCF 191	07CPCF 192	07CPCF 193	07CPCF 194
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	17 J	6.1 J	6.0 J	17 J	5.4 J	8.7 J	9.4 J	48 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 10:26 12/31/94

RFW Batch Number: 9412D417 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	MB1	MB1S	07CPCF 195	07CPCF 195	07CPCF 195	07CPCF 196	07CPCF 197	07CPCF 198
RFW#:	94DM620	94DM620	015	015REP	015MS	016	017	018
Matrix:	WATER	WATER	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	0.50 U	89 %	8.2 J	13 J	90 %	7.2 J	15 J	10 J

Sample Information:

Cust ID:	07CPCF 199	07CPCF 200	07CPCF 211	07CPCF 212	07CPCF 213	07CPCF 214	07CPCF 215	07CPCF 216
RFW#:	019	020	021	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.7 J	16 J	9.1 J	4.3 J	7.6 J	15 J	12 J	12 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

Metals 10:26

RFW Batch Number: 9412D417 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 3

Sample Information:

Cust ID:	07CPCF	07CPCF	MB1	MB1S
	217	218		
RFW#:	027	028	94DM621	94DM621
Matrix:	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/L	mg/L
LEAD	7.7 J	7.2 J	0.50 U	95 %

Sample Information:

Cust ID:				
RFW#:				
Matrix:				
D.F.:				
Units:				
LEAD				

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 15:56 01/05/95

RFW Batch Number: 9412D418 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 1

Sample Information:

Cust ID:	07CPCF 219	07CPCF 219	07CPCF 219	07CPCF 220	07CPCF 221	07CPCF 222	07CPCF 223	07CPCF 224
RFW#:	001	001REP	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	8.6 J	8.8 J	97 %	7.2 J	51	8.0 J	10 J	8.7 J

Sample Information:

Cust ID:	07CPCF 225	07CPCF 226	07CPCF 227	07CPCF 228	07CPCF 229	07CPCF 230	MB1	MB1S
RFW#:	007	008	009	010	011	012	95DM625	95DM625
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L
LEAD	67	60	15 J	19 J	98	13 J	0.50 U	97 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 15:56 01/05/95

RFW Batch Number: 9412D418 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 2

Sample Information:

Cust ID:	07CPCF 231	07CPCF 231	07CPCF 231	07CPCF 232	07CPCF 233	07CPCF 236	07CPCF 237	07CPCF 238
RFW#:	013	013REP	013MS	014	015	016	017	018
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	4.8 J	5.2 J	93 %	11 J	7.0 J	22 J	37 J	16 J

Sample Information:

Cust ID:	07CPCF 239	07CPCF 240	07CPCF 241	07CPCF 242	07CPCF 243	07CPCF 244	07CPCF 245	07CPCF 246
RFW#:	019	020	021	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	11 J	5.3 J	7.9 J	9.5 J	7.6 J	12 J	11 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

Metals 15:56

RFW Batch Number: 9412D418 CLIENT: TSD/AAAP WORK ORDER:03886-080-010-6900 page 3

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM630	95DM630
Matrix:	WATER	WATER
D.F.:	1	1
Units:	mg/L	mg/L
LEAD	0.50 U	93 %

Sample Information:

Cust ID:		
RFW#:		
Matrix:		
D.F.:		
Units:		
LEAD		

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

APPENDIX B2
Confirmation Sample Results
Study Area 7
SAIC

Post Excavation Confirmation Data Summary Table: Soil Boring - Study Area 07 - Northern TNT Manufacturing Area
Alabama Army Ammunition Plant

Site ID			SB-07-016		SB-07-016		SB-07-017		SB-07-017		SB-07-018		SB-07-018		SB-07-018
Field Sample Number			SAIC01		SAIC06		SAIC01		SAIC06		SAIC01		SAIC06		SAIC07
Site Type			BORE		BORE		BORE		BORE		BORE		BORE		BORE
Collection Date			6/29/95		6/29/95		6/29/95		6/29/95		7/11/95		7/11/95		7/11/95
Depth (ft)			1.00		25.00		1.00		25.00		1.00		25.00		25.00
EXPLOSIVES															
Laboratory Id Number															
Parameter	Units	CRL													
2,4,6-Trinitrotoluene	µg/g	0.250	LT 0.0890	LT	0.0890	LT	0.0890	LT	0.0890	LT	0.0890	LT	0.0890		0.236 DC
METALS															
Laboratory Id Number															
Parameter	Units	CRL													
Aluminum	µg/g	10.700	20000		12000		37000		18000		24000		28000		37000 D
Arsenic	µg/g	8.000	ND 12.7 T		17.0 Z	ND	12.7 T	ND	12.7 T	ND	12.7 T	ND	12.7 T	ND	12.7 TD
Barium	µg/g	4.870	96.0		28.5		58.6		29.1		173		50.8		62.0 D
Beryllium	µg/g	0.250	0.635		3.79		0.685		4.98		1.02		4.71		8.51 D
Calcium	µg/g	109.000	2030	LT	109		3360		772		1610		1970		2600 D
Chromium	µg/g	0.974	90.1 B		16.8 B		56.3 B		36.0 B		25.8		32.9		47.3 D
Cobalt	µg/g	2.500	LT 2.50	LT	2.50	LT	2.50		53.9		7.12		8.46		7.58 D
Copper	µg/g	3.380	10.1		23.9		14.0		21.9		13.1		17.0		21.8 D
Iron	µg/g	12.000	29000		37000		30000		38000		22000		33000		40000 D
Lead	µg/g	10.000	43.4		15.5	LT	10.0		32.0		32.2		23.4		30.5 D
Magnesium	µg/g	138.000	866		656		1470		858		944		2170		2890 D
Manganese	µg/g	0.510	670		1800		113		330		2100		330		430 D
Mercury	µg/g	0.4	LT 0.0870	LT	0.0870	LT	0.0870	LT	0.0870	LT	0.0870		0.127	LT	0.0870 D
Nickel	µg/g	7.500	9.82		53.4		13.8		35.5		12.9		25.7		41.8 D
Potassium	µg/g	142.000	749		1110		1840		1170		898		1450	LT	142 D
Sodium	µg/g	50.000	LT 50.0	LT	50.0		71.8	LT	50.0	LT	50.0	LT	50.0	LT	50.0 D
Vanadium	µg/g	2.000	56.8		45.5		99.0		50.3		45.7		54.2		66.1 D
Zinc	µg/g	4.000	103		79.4		40.6		74.6		42.3		56.6		85.7 D
SEMIVOLATILES															
Laboratory Id Number															
Parameter	Units	CRL													
Diethyl Phthalate	µg/g	0.350	2.00	LT	0.350	LT	0.350	LT	0.350	LT	0.350	LT	0.350	LT	0.350 D
TOTAL ORGANIC CARBON															
Laboratory Id Number															
Parameter	Units	CRL													
Total Organic Carbon	µg/g	100	10300	ND	1000	ND	1000	ND	1000		16700	ND	1000		1740 D
VOLATILES															
Laboratory Id Number															
Parameter	Units	CRL													
Acetone	µg/g	0.0446	LT 0.0450	LT	0.0450		0.0490	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450 D
Methylene Chloride	µg/g	0.00616	LT 0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620 D
Toluene	µg/g	0.0025	0.00320	LT	0.00250	LT	0.00250	LT	0.00250		0.00280 1	LT	0.00250	LT	0.00250 D

Post Excavation Confirmation Data Summary Table: Soil Boring - Study Area 07 - Northern TNT Manufacturing Area (Continued)
Alabama Army Ammunition Plant

Site ID				SB-07-019		SB-07-019		SB-07-020		SB-07-020		SB-07-020
Field Sample Number				SAIC01		SAIC03		SAIC01		SAIC02		SAIC06
Site Type				BORE		BORE		BORE		BORE		BORE
Collection Date				7/11/95		7/11/95		7/12/95		7/12/95		7/12/95
Depth (ft)				1.00		10.00		1.00		5.00		25.00
EXPLOSIVES												
Laboratory Id Number												
Parameter	*Units*	*CRL*										
2,4,6-Trinitrotoluene	µg/g	0.250	LT	0.0890	LT	0.0890	LT	0.0890		N/A	LT	0.0890
METALS												
Laboratory Id Number												
Parameter	Units	CRL										
Aluminum	µg/g	10.700		**20000**		**24000**		**12000**		N/A		**22000**
Arsenic	µg/g	8.000	ND	12.7 T	ND	12.7 T	ND	12.7 T		N/A	ND	12.7 T
Barium	µg/g	4.870		**85.1**		**66.2**		**50.0**		N/A		**47.2**
Beryllium	µg/g	0.250		**0.680**		**1.73**		**0.378**		N/A		**1.92**
Calcium	µg/g	109.000		**894**		**1230**		**900**		N/A		**1560**
Chromium	µg/g	0.974		**22.5**		**41.3**		**30.8**		N/A		**38.3**
Cobalt	µg/g	2.500	LT	2.50		**6.16**		**7.27**		N/A		**23.6**
Copper	µg/g	3.380		**15.1**		**16.8**		**5.18**		N/A		**14.9**
Iron	µg/g	12.000		**20000**		**28000**		**24000**		N/A		**38000**
Lead	µg/g	10.000		**17.3**		**15.8**		**22.2**		N/A		**38.0**
Magnesium	µg/g	138.000		**1180**		**1320**		**368**		N/A		**965**
Manganese	µg/g	0.510		**520**		**510**		**310**		N/A		**274**
Mercury	µg/g	0.4	LT	0.0870	LT	0.0870	LT	0.0870		N/A	LT	0.0870
Nickel	µg/g	7.500	LT	7.50		**17.6**	LT	7.50		N/A		**14.7**
Potassium	µg/g	142.000		**1110**		**1400**		**370**		N/A		**785**
Sodium	µg/g	50.000	LT	50.0	LT	50.0	LT	50.0		N/A		**73.6**
Vanadium	µg/g	2.000		**39.6**		**49.8**		**46.3**		N/A		**64.5**
Zinc	µg/g	4.000		**27.3**		**46.6**		**27.2** B		N/A		**53.2** B
SEMIVOLATILES												
Laboratory Id Number												
Parameter	Units	CRL										
Diethyl Phthalate	µg/g	0.350	LT	0.350	LT	0.350	LT	0.350		N/A	LT	0.350
TOTAL ORGANIC CARBON												
Laboratory Id Number												
Parameter	Units	CRL										
Total Organic Carbon	µg/g	100		**7990**		**10400**		**4640**		N/A	ND	1000
VOLATILES												
Laboratory Id Number												
Parameter	Units	CRL										
Acetone	µg/g	0.0446		**0.280** X		**0.200** X	LT	0.0450		**0.0180** 1G L	LT	0.0450
Methylene Chloride	µg/g	0.00616	LT	0.00620	LT	0.00620	LT	0.00620		**0.00730** 1 L	LT	0.00620
Toluene	µg/g	0.0025	LT	0.00250	LT	0.00250		**0.00160** 1		**0.00990** L	LT	0.00250

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Soil Boring - Study Area 07 - Northern TNT Manufacturing Area (Co
Alabama Army Ammunition Plant

Footnotes:
- CRL - Certified reporting limits
- ID - Identification
- N/A - Not applicable
- TICs - Tentatively Identified Compound

Boolean Codes:
- LT - Less than the certified reporting limit
- ND - Not detected

Flagging Codes:
- 1 - Result less than CRL but greater than COD.
- A - Analyte found in trip blank as well as in field samples.
- B - Analyte found in the method blank or QC blank
- C - Analysis was confirmed.
- D - Duplicate analysis.
- G - Analyte found in rinse blank as well as in sample.
- T - Non-target compound analyzed for but not detected (non-GC/MS methods).
- X - Analyte recoverey outside of certified range but within acceptable limits.
- Z - Non-target compound analyzed for and detected (non-GC/MC methods).

Qualifiers:
- L - Missed holding time for samole analysis.

APPENDIX C1
Confirmation Sample Results
Study Area 6
WESTON

Analytical Data for Explosives (Study Area 6)

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:46 01/11/95

RFW Batch Number: 9501D427 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	07CPCF	06CPCF	06CPCF
	247	247	247	248	249	250	250D	251
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	94 %	92 %	94 %	98 %	91 %	100 %	103 %	104 %
HMX	0.50 U	128 %	133 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	126 %	122 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	130 %	127 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	131 %	128 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	113 %	109 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	121 %	119 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	122 %	122 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF
	252	253	254	255	256	256	256	257
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	104 %	100 %	94 %	99 %	99 %	98 %	101 %	97 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	136 %	123 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	130 %	118 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	139 %	120 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	134 %	124 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	113 %	93 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	124 %	115 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	125 %	116 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:46 01/11/95

RFW Batch Number: 9501D427 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 258	06CPCF 259	06CPCF 260	06CPCF 260D	06CPCF 261	06CPCF 262	06CPCF 263	06CPCF 264
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	99 %	90 %	105 %	93 %	102 %	99 %	95 %	90 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1MS ERR
RFW#:	95DE004	95DE004
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT(ss)	93 %	85 %
HMX	0.50 U	121 %
RDX	0.50 U	120 %
TNB	0.50 U	117 %
DNB	0.50 U	117 %
TETRYL	0.50 U	88 %
NB	0.50 U	NS
TNT	0.50 U	105 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	105 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:32 01/09/95

RFW Batch Number: 9501D428 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 265	06CPCF 266	06CPCF 267	06CPCF 268	06CPCF 269	07CPCF 270	06CPCF 270D	06CPCF 271
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	88 %	88 %	87 %	86 %	80 %	93 %	87 %	87 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.79	0.61	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	13	1.4	0.92	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 272	06CPCF 273	06CPCF 274	06CPCF 274	06CPCF 274	06CPCF 275	06CPCF 276	06CPCF 277
RFW#:	009	010	011	011MS	011MSD	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	91 %	85 %	91 %	75 %	63 %	91 %	76 %	94 %
HMX	0.50 U	0.50 U	0.50 U	104 %	88 %	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	103 %	88 %	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	89 %	78 %	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	103 %	90 %	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	34 %	33 %	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U
TNT	2.22	0.50 U	0.50 U	89 %	76 %	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	93 %	80 %	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:32 01/09/95

RFW Batch Number: 9501D428 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	MB1	MB1S
	278	279	280	280D	281	282		
RFW#:	015	016	017	018	019	020	95DE004	95DE004
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	92 %	86 %	89 %	95 %	94 %	94 %	85 %	78 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	111 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	113 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	112 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	113 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	79 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	1.0	0.50 U	0.50 U	102 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	102 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:33 01/10/95

RFW Batch Number: 9501D429 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 283	06CPCF 283	06CPCF 283	06CPCF 284	06CPCF 285	07CPCF 286	06CPCF 287	06CPCF 288
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	89 %	99 %	93 %	110 %	94 %	99 %	98 %	104 %
HMX	0.50 U	124 %	135 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	118 %	124 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	118 %	120 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	123 %	125 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	94 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	115 %	115 %	0.50 U	0.50 U	0.50 U	0.50 U	2.54
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	117 %	113 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 289	06CPCF 290	06CPCF 290D	06CPCF 291	06CPCF 292	06CPCF 292	06CPCF 292	06CPCF 293
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	107 %	109 %	104 %	99 %	97 %	96 %	96 %	98 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	124 %	123 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	128 %	126 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	127 %	128 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	131 %	131 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	104 %	106 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	120 %	120 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	122 %	122 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	1.42

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:33 01/10/95

RFW Batch Number: 9501D429 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 294	06CPCF 295	06CPCF 296	06CPCF 297	MB1	MB1S
RFW#:	013	014	015	016	95DE007	95DE007
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	96 %	98 %	99 %	98 %	91 %	98 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	125 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	124 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	125 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	126 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	100 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	119 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	120 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:50 01/16/95

RFW Batch Number: 9501D431 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 298	06CPCF 298	06CPCF 298	06CPCF 299	06CPCF 300	07CPCF 300D	06CPCF 301	06CPCF 302
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	102 %	95 %	98 %	93 %	88 %	93 %	93 %	90 %
HMX	0.50 U	119 %	121 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	115 %	117 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	116 %	118 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	118 %	119 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	98 %	102 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	110 %	112 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	111 %	111 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 303	06CPCF 304	06CPCF 305	06CPCF 306	06CPCF 307	06CPCF 307	06CPCF 307	06CPCF 308
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	95 %	92 %	94 %	98 %	91 %	79 %	80 %	90 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	111 %	124 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	108 %	106 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	109 %	109 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	111 %	112 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	84 %	88 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	10.71	0.50 U	0.50 U	102 %	100 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %	96 %	0.50 U
2-A-DNT	0.50 U	0.50 U	5.26	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:50 01/16/95

RFW Batch Number: 9501D431 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF
	309	310	310D	311	312	313	314	315
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	99 %	96 %	84 %	100 %	88 %	94 %	102 %	93 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1MS
		ERR
RFW#:	95DE011	95DE011
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT(ss)	99 %	95 %
HMX	0.50 U	124 %
RDX	0.50 U	126 %
TNB	0.50 U	120 %
DNB	0.50 U	125 %
TETRYL	0.50 U	81 %
NB	0.50 U	NS
TNT	0.50 U	114 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	116 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:39 01/15/95

RFW Batch Number: 9501D432 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 316	06CPCF 316	06CPCF 316	06CPCF 317	06CPCF 318	06CPCF 319	06CPCF 320	06CPCF 320D
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	93 %	91 %	96 %	91 %	106 %	91 %	95 %	94 %
HMX	0.50 U	61 %	61 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	102 %	102 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	113 %	114 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	97 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.76	77 %	78 %	0.50 U	1.71	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.43 U	102 %	103 %	0.50 U	6.60	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	101 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 321	06CPCF 322	06CPCF 323	MB1	MB1S	MB1SRe
RFW#:	007	008	009	95DE013	95DE013	95DE013
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	94 %	92 %	101 %	88 %	90 %	86 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	62 %	60 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	106 %	102 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	114 %	108 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	95 %	90 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	76 %	68 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	102 %	97 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	99 %	93 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:09 01/25/95

RFW Batch Number: 9501D443 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 345	06CPCF 346	06CPCF 347	06CPCF 348	06CPCF 349	06CPCF 350	06CPCF 351	06CPCF 352
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	93 %	87 %	87 %	101 %	69 %	93 %	90 %	90 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 353	06CPCF 354	06CPCF 354D	06CPCF 355	06CPCF 356	06CPCF 357	06CPCF 358	06CPCF 359
RFW#:	009	010	011	012	013	014	015	016
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	93 %	90 %	97 %	88 %	89 %	97 %	86 %	94 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:09 01/25/95

RFW Batch Number: 9501D443 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 360	06CPCF 361	06CPCF 362	06CPCF 363	MB1	MB1S	MB1	MB1S
RFW#:	017	018	019	020	95DE016	95DE016	95DE018	95DE018
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	96 %	98 %	93 %	108 %	84 %	92 %	83 %	86 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	96 %	0.50 U	100 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %	0.50 U	102 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %	0.50 U	94 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %	0.50 U	98 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	75 %	0.50 U	73 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %	0.50 U	95 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %	0.50 U	97 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE020	95DE020
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT(ss)	99 %	97 %
HMX	0.50 U	104 %
RDX	0.50 U	105 %
TNB	0.50 U	95 %
DNB	0.50 U	102 %
TETRYL	0.50 U	62 %
NB	0.50 U	NS
TNT	0.50 U	102 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	104 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:10 01/22/95

RFW Batch Number: 9501D444 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 364	06CPCF 364	06CPCF 364	06CPCF 364D	06CPCF 365	06CPCF 366	06CPCF 367	06CPCF 368
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	94 %	90 %	92 %	101 %	92 %	100 %	97 %	98 %
HMX	0.50 U	97 %	98 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	94 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	87 %	88 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	96 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	38 %	48 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	94 %	99 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	1.0	0.50 U	0.50 U
2,4-DNT	0.50 U	99 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 368D	06CPCF 369	06CPCF 370	06CPCF 371	06CPCF 372	06CPCF 373	06CPCF 374	06CPCF 374D
RFW#:	007	008	009	010	011	012	013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	101 %	105 %	92 %	91 %	100 %	96 %	88 %	71 %
HMX	0.50 U	0.50 U	0.50 U	1.35	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.99	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:10 01/22/95

RFW Batch Number: 9501D444 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 375	06CPCF 376	06CPCF 376	06CPCF 376	06CPCF 377	06CPCF 378	06CPCF 379	06CPCF 380
RFW#:	015	016	016MS	016MSD	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	40	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	100 %	94 %	96 %	97 %	93 %	95 %	D	92 %
HMX	0.50 U	0.50 U	102 %	104 %	0.50 U	0.50 U	10 U	0.50 U
RDX	0.50 U	0.50 U	101 %	101 %	0.50 U	0.50 U	10 U	0.50 U
TNB	0.50 U	0.50 U	102 %	103 %	0.50 U	0.50 U	10 U	0.50 U
DNB	0.50 U	0.50 U	104 %	105 %	0.50 U	0.50 U	10 U	0.50 U
TETRYL	0.50 U	0.50 U	95 %	99 %	0.50 U	0.50 U	10 U	0.50 U
NB	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	10 U	0.50 U
TNT	0.50 U	0.50 U	105 %	106 %	0.50 U	0.50 U	87	0.50 U
2,6-DNT	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	10 U	0.50 U
2,4-DNT	0.50 U	0.50 U	108 %	107 %	0.50 U	0.50 U	10 U	0.50 U
2-A-DNT	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	10 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S	MB1	MB1S	MB1	MB1S
RFW#:	95DE016	95DE016	95DE018	95DE018	95DE020	95DE020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	84 %	92 %	83 %	86 %	99 %	97 %
HMX	0.50 U	96 %	0.50 U	100 %	0.50 U	104 %
RDX	0.50 U	99 %	0.50 U	102 %	0.50 U	105 %
TNB	0.50 U	93 %	0.50 U	94 %	0.50 U	95 %
DNB	0.50 U	97 %	0.50 U	98 %	0.50 U	102 %
TETRYL	0.50 U	75 %	0.50 U	73 %	0.50 U	62 %
NB	0.50 U	NS	0.50 U	NS	0.50 U	NS
TNT	0.50 U	98 %	0.50 U	95 %	0.50 U	102 %
2,6-DNT	0.50 U	NS	0.50 U	NS	0.50 U	NS
2,4-DNT	0.50 U	99 %	0.50 U	97 %	0.50 U	104 %
2-A-DNT	0.50 U	NS	0.50 U	NS	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:48 01/25/95

RFW Batch Number: 9501D445 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 381	06CPCF 382	06CPCF 383	06CPCF 384	06CPCF 384D	06CPCF 385	06CPCF 386	MB1
RFW#:	001	002	003	004	005	006	007	95DE016
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	92 %	95 %	82 %	82 %	97 %	92 %	90 %	84 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1S	MB1	MB1S
RFW#:	95DE016	95DE020	95DE020
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	92 %	99 %	97 %
HMX	96 %	0.50 U	104 %
RDX	99 %	0.50 U	105 %
TNB	93 %	0.50 U	95 %
DNB	97 %	0.50 U	102 %
TETRYL	75 %	0.50 U	62 %
NB	NS	0.50 U	NS
TNT	98 %	0.50 U	102 %
2,6-DNT	NS	0.50 U	NS
2,4-DNT	99 %	0.50 U	104 %
2-A-DNT	NS	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:34 01/18/95

RFW Batch Number: 9501D449 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 387	06CPCF 387	06CPCF 387	06CPCF 388	06CPCF 389	06CPCF 390	06CPCF 391	06CPCF 392
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	95 %	94 %	94 %	94 %	98 %	85 %	92 %	92 %
HMX	0.50 U	104 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	102 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	92 %	89 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	103 %	103 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	59 %	48 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	103 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	105 %	104 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 393	06CPCF 394	06CPCF 395	06CPCF 396	06CPCF 397	06CPCF 397	06CPCF 397	06CPCF 398
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	92 %	92 %	89 %	92 %	96 %	94 %	100 %	93 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	102 %	106 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	101 %	104 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	88 %	86 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	103 %	108 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	48 %	35 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	101 %	105 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	104 %	110 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:34 01/18/95

RFW Batch Number: 9501D449 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 394D	06CPCF 398D	MB1	MB1S	MB1	MB1S
RFW#:	013	014	95DE016	95DE016	95DE021	95DE021
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	90 %	97 %	84 %	92 %	87 %	94 %
HMX	0.50 U	0.50 U	0.50 U	96 %	0.50 U	106 %
RDX	0.50 U	0.50 U	0.50 U	99 %	0.50 U	107 %
TNB	0.50 U	0.50 U	0.50 U	93 %	0.50 U	94 %
DNB	0.50 U	0.50 U	0.50 U	97 %	0.50 U	105 %
TETRYL	0.50 U	0.50 U	0.50 U	75 %	0.50 U	52 %
NB	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	98 %	0.50 U	105 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	99 %	0.50 U	107 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT(ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:36 01/22/95

RFW Batch Number: 9501D457 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 404	06CPCF 404	06CPCF 404	06CPCF 405	06CPCF 406	06CPCF 407	06CPCF 408	06CPCF 409
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	90 %	94 %	89 %	91 %	91 %	96 %	95 %	99 %
HMX	0.50 U	91 %	91 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	93 %	92 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	81 %	85 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	94 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	54 %	69 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	95 %	92 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	96 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 410	06CPCF 411	06CPCF 411D	06CPCF 412	06CPCF 413	06CPCF 413	06CPCF 413	06CPCF 413D
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	94 %	91 %	92 %	99 %	94 %	90 %	91 %	95 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %	99 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	100 %	101 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	79 %	84 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	97 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	66 %	69 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	5.6	1.5	0.73	0.50 U	93 %	95 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	96 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:36 01/22/95

RFW Batch Number: 9501D457 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 414	06CPCF 415	06CPCF 416	06CPCF 417	06CPCF 418	06CPCF 419	06CPCF 420	06CPCF 421
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	82 %	99 %	89 %	99 %	99 %	89 %	100 %	93 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 422	06CPCF 422	06CPCF 422	MB1	MB1S	MB1	MB1S
RFW#:	021	021MS	021MSD	95DE025	95DE025	95DE026	95DE026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	98 %	94 %	99 %	87 %	89 %	99 %	96 %
HMX	0.50 U	95 %	99 %	0.50 U	95 %	0.50 U	106 %
RDX	0.50 U	93 %	97 %	0.50 U	97 %	0.50 U	107 %
TNB	0.50 U	87 %	90 %	0.50 U	92 %	0.50 U	92 %
DNB	0.50 U	96 %	103 %	0.50 U	93 %	0.50 U	101 %
TETRYL	0.50 U	60 %	66 %	0.50 U	74 %	0.50 U	47 %
NB	0.50 U	NS	NS	0.50 U	NS	0.50 U	NS
TNT	0.50 U	96 %	101 %	0.50 U	92 %	0.50 U	98 %
2,6-DNT	0.50 U	NS	NS	0.50 U	NS	0.50 U	NS
2,4-DNT	0.50 U	97 %	100 %	0.50 U	94 %	0.50 U	99 %
2-A-DNT	0.50 U	NS	NS	0.50 U	NS	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:49 01/23/95

RFW Batch Number: 9501D461 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 424	06CPCF 424	06CPCF 424	06CPCF 425	06CPCF 426	06CPCF 427	06CPCF 428	06CPCF 429
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	103 %	97 %	104 %	80 %	86 %	86 %	84 %	87 %
HMX	0.50 U	96 %	95 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	95 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	85 %	92 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	100 %	99 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	72 %	76 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	100 %	99 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	103 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 430	06CPCF 431	06CPCF 432	06CPCF 433	06CPCF 433D	06CPCF 434	06CPCF 434	06CPCF 434
RFW#:	007	008	009	010	011	012	012MS	012MSD
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	92 %	94 %	94 %	91 %	95 %	96 %	97 %	99 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	96 %	97 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %	97 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	95 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %	101 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	80 %	78 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %	102 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	100 %	103 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:49 01/23/95

RFW Batch Number: 9501D461 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 435	06CPCF 436	06CPCF 437	06CPCF 438	06CPCF 439	06CPCF 440	06CPCF 441	06CPCF 442
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	96 %	97 %	98 %	98 %	88 %	102 %	94 %	93 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE029	95DE029
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT(ss)	98 %	98 %
HMX	0.50 U	99 %
RDX	0.50 U	103 %
TNB	0.50 U	89 %
DNB	0.50 U	100 %
TETRYL	0.50 U	45 %
NB	0.50 U	NS
TNT	0.50 U	99 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	101 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:04 02/07/95

RFW Batch Number: 9501D462 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 443	06CPCF 443D	06CPCF 444	06CPCF 445	06CPCF 445	06CPCF 445	06CPCF 446	06CPCF 447
RFW#:	001	002	003	004	004MS	004MSD	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	94 %	105 %	95 %	98 %	101 %	91 %	102 %	99 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	92 %	95 %	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	94 %	94 %	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	81 %	65 %	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	100 %	98 %	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	34 %	28% *	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	100 %	90 %	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	106 %	97 %	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 448	06CPCF 449	06CPCF 450	06CPCF 451	06CPCF 452	MB1	MB1S
RFW#:	007	008	009	010	011	95DE031	95DE031
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	96 %	102 %	101 %	90 %	104 %	81 %	102 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	102 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	104 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	104 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	74 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	112 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	111 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:08 02/15/95

RFW Batch Number: 9501D466 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 423	06CPCF 423	06CPCF 423	06CPCF 453	06CPCF 453D	06CPCF 454	06CPCF 455	06CPCF 456
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	89 %	92 %	94 %	94 %	91 %	85 %	91 %	97 %
HMX	0.50 U	95 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	92 %	91 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	94 %	92 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	94 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	88 %	84 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	94 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	95 %	95 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 457	06CPCF 458	06CPCF 459	06CPCF 460	06CPCF 461	06CPCF 461	06CPCF 461	06CPCF 462
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	85 %	100 %	93 %	107 %	102 %	102 %	105 %	102 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	103 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %	100 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	96 %	104 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %	104 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	103 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %	109 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %	106 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:08 02/15/95

RFW Batch Number: 9501D466 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 463	06CPCF 463D	06CPCF 464	06CPCF 465	06CPCF 466	06CPCF 467	06CPCF 468	06CPCF 469
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	98 %	102 %	96 %	97 %	114 %	95 %	99 %	103 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE033	95DE033
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT(ss)	97 %	92 %
HMX	0.50 U	93 %
RDX	0.50 U	95 %
TNB	0.50 U	66 %
DNB	0.50 U	93 %
TETRYL	0.50 U	17% *
NB	0.50 U	NS
TNT	0.50 U	89 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	93 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

1-26-95 : 13:15 : ROY F. WESTON, INC. - TREATMENT SYS-:# 2/ SENT BY:

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:03 01/26/95

RFW Batch Number: 9501D467 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 470	06CPCF 470	06CPCF 470	06CPCF 471	06CPCF 472	06CPCF 473	06CPCF 473D	06CPCF 474
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	100 %	95 %	91 %	91 %	97 %	95 %	94 %	94 %
HMX	0.50 U	93 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	90 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	91 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	93 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	84 %	85 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	92 %	90 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	93 %	89 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 475	06CPCF 476	MB1	MB1S
RFW#:	007	008	95DE031	95DE031
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	92 %	96 %	81 %	102 %
HMX	0.50 U	0.50 U	0.50 U	102 %
RDX	0.50 U	0.50 U	0.50 U	104 %
TNB	0.50 U	0.50 U	0.50 U	97 %
DNB	0.50 U	0.50 U	0.50 U	104 %
TETRYL	0.50 U	0.50 U	0.50 U	74 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	112 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	111 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:31 01/30/95

RFW Batch Number: 9501D471 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 477	06CPCF 478	06CPCF 479	06CPCF 480	06CPCF 480	06CPCF 480	06CPCF 481	06CPCF 482
RFW#:	001	002	003	004	004MS	004MSD	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	93 %	101 %	94 %	81 %	103 %	104 %	81 %	87 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	98 %	94 %	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	95 %	92 %	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	96 %	88 %	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	103 %	96 %	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	66 %	59 %	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	106 %	98 %	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	105 %	99 %	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 483	06CPCF 483D	06CPCF 484	06CPCF 485	06CPCF 486	06CPCF 487	MB1	MB1S
RFW#:	007	008	009	010	011	012	95DE034	95DE034
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	93 %	98 %	96 %	92 %	96 %	96 %	88 %	91 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	102 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	107 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	101 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	103 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	78 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	100 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	100 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 08:32 01/27/95

RFW Batch Number: 9501D473 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 488	06CPCF 488	06CPCF 488	06CPCF 489	06CPCF 490	06CPCF 491	06CPCF 492	MB1
RFW#:	001	001MS	001MSD	002	003	004	005	95DE034
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT(ss)	91 %	102 %	99 %	93 %	94 %	92 %	96 %	88 %
HMX	0.50 U	94 %	92 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	93 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	94 %	95 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	100 %	99 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	78 %	83 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	100 %	100 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	103 %	102 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1S
RFW#:	95DE034
Matrix:	SOIL
D.F.:	2
Units:	mg/Kg
3-NT(ss)	91 %
HMX	102 %
RDX	107 %
TNB	101 %
DNB	103 %
TETRYL	78 %
NB	NS
TNT	100 %
2,6-DNT	NS
2,4-DNT	100 %
2-A-DNT	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:36 01/27/95

RFW Batch Number: 9501D477 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	21EXCF 493	21EXCF 493	21EXCF 493	MB1	MB1S
RFW#:	001	001MS	001MSD	95DE040	95DE040
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	93 %	98 %	91 %	99 %	93 %
HMX	0.50 U	98 %	94 %	0.50 U	100 %
RDX	0.50 U	96 %	91 %	0.50 U	100 %
TNB	0.50 U	104 %	99 %	0.50 U	99 %
DNB	0.50 U	103 %	96 %	0.50 U	99 %
TETRYL	0.50 U	87 %	86 %	0.50 U	92 %
NB	0.50 U	NS	NS	0.50 U	NS
TNT	1.1	71 %	68 %	0.50 U	98 %
2,6-DNT	0.50 U	NS	NS	0.50 U	NS
2,4-DNT	1.1	80 %	73 %	0.50 U	99 %
2-A-DNT	0.50 U	NS	NS	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:29 02/09/95

RFW Batch Number: 9501D478 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	MB1	MB1S
	494	494	494	494D	495	496		
RFW#:	001	001MS	001MSD	002	003	004	95DE040	95DE040
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	95 %	95 %	92 %	86 %	93 %	93 %	99 %	93 %
HMX	0.50 U	96 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	100 %
RDX	0.50 U	95 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	100 %
TNB	0.50 U	99 %	115 %	0.50 U	0.50 U	0.50 U	0.50 U	99 %
DNB	0.50 U	99 %	98 %	0.50 U	0.50 U	0.50 U	0.50 U	99 %
TETRYL	0.50 U	93 %	91 %	0.50 U	0.50 U	0.50 U	0.50 U	92 %
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	98 %	98 %	0.50 U	0.50 U	0.50 U	0.50 U	98 %
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	100 %	99 %	0.50 U	0.50 U	0.50 U	0.50 U	99 %
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:06 01/30/95

RFW Batch Number: 9501D482 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	07EXCF	07EXCF	07EXCF	07EXCF	07EXCF	07EXCF	MB1	MB1S
	497	497	497	498	499	500		
RFW#:	001	001MS	001MSD	002	003	004	95DE041	95DE041
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	103 %	96 %	103 %	104 %	102 %	105 %	100 %	100 %
HMX	0.50 U	97 %	98 %	0.50 U	0.50 U	0.50 U	0.50 U	101 %
RDX	0.50 U	94 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	106 %
TNB	0.50 U	94 %	98 %	0.50 U	0.50 U	0.50 U	0.50 U	98 %
DNB	0.50 U	96 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	102 %
TETRYL	0.50 U	87 %	90 %	0.50 U	0.50 U	0.50 U	0.50 U	85 %
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	1.4	74 %	71 %	0.50 U	0.50 U	8.0	0.50 U	101 %
2,6-DNT	8.3	20	19	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	2.5	20 %	90 %	0.63	0.50 U	0.50 U	0.50 U	104 %
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	1.61	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:15 01/30/95

RFW Batch Number: 9501D488 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	06EXCF	06EXCF	06EXCF	06EXCF	07EXCF	07EXCF	MB1	MB1S
	512	512	512	513	514	514D		
RFW#:	001	001MS	001MSD	002	003	004	95DE044	95DE044
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	92 %	98 %	95 %	88 %	93 %	96 %	93 %	91 %
HMX	0.50 U	100 %	98 %	0.50 U	0.50 U	0.50 U	0.50 U	101 %
RDX	0.50 U	100 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	104 %
TNB	0.50 U	100 %	100 %	0.50 U	0.50 U	0.50 U	0.50 U	101 %
DNB	0.50 U	102 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	100 %
TETRYL	0.50 U	93 %	92 %	0.50 U	0.50 U	0.50 U	0.50 U	82 %
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	104 %	104 %	0.50 U	0.50 U	0.50 U	0.50 U	96 %
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	104 %	104 %	0.50 U	0.61	0.69	0.50 U	96 %
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:38 02/08/95

RFW Batch Number: 9501D490 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF
	501	501	501	502	503	504	504D	505
RFW#:	001	001MS	001MS	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	92 %	85 %	89 %	85 %	94 %	96 %	93 %	82 %
HMX	0.50 U	100 %	99 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	97 %	101 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	96 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	99 %	99 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	88 %	87 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	97 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	97 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF
	506	507	508	509	510	510	510	511
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	79 %	83 %	82 %	82 %	81 %	84 %	82 %	84 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	89 %	88 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	86 %	68% *	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	88 %	86 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	91 %	89 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	71 %	67 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	88 %	87 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	89 %	87 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:38 02/08/95

RFW Batch Number: 9501D490 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE044	95DE044
Matrix:	SOIL	
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT (ss)	93 %	91 %
HMX	0.50 U	101 %
RDX	0.50 U	104 %
TNB	0.50 U	101 %
DNB	0.50 U	100 %
TETRYL	0.50 U	82 %
NB	0.50 U	NS
TNT	0.50 U	96 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	96 %
2-A-DNT	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

S1S

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:17 01/30/95

RFW Batch Number: 9501D493 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information:

Cust ID:	07EXCF 515	07EXCF 515	07EXCF 515	MB1	MB1S
RFW#:	001	001MS	001MSD	95DE047	95DE047
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	92 %	91 %	89 %	86 %	88 %
HMX	0.50 U	107 %	101 %	0.50 U	104 %
RDX	0.50 U	105 %	100 %	0.50 U	105 %
TNB	0.50 U	106 %	98 %	0.50 U	101 %
DNB	0.50 U	108 %	97 %	0.50 U	101 %
TETRYL	0.50 U	98 %	88 %	0.50 U	78 %
NB	0.50 U	NS	NS	0.50 U	NS
TNT	0.50 U	109 %	97 %	0.50 U	96 %
2,6-DNT	0.50 U	NS	NS	0.50 U	NS
2,4-DNT	0.50 U	107 %	97 %	0.50 U	99 %
2-A-DNT	0.50 U	NS	NS	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:08 01/30/95

RFW Batch Number: 9501D496 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	75A-21-PPL 001	MB1	MB1S	75A-21-PPL 001	MB1	MB1S
RFW#:	001(Wet)	95DE046	95DE046	001(Dry)	95DE047	95DE047
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	83 %	93 %	90 %	94 %	86 %	88 %
HMX	0.50 U	0.50 U	109 %	0.50 U	0.50 U	104 %
RDX	0.50 U	0.50 U	109 %	0.50 U	0.50 U	105 %
TNB	0.50 U	0.50 U	109 %	0.50 U	0.50 U	101 %
DNB	0.50 U	0.50 U	108 %	0.50 U	0.50 U	101 %
TETRYL	0.50 U	0.50 U	100 %	0.50 U	0.50 U	78 %
NB	0.50 U	0.50 U	NS	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	102 %	0.50 U	0.50 U	96 %
2,6-DNT	0.50 U	0.50 U	NS	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	103 %	0.50 U	0.50 U	99 %
2-A-DNT	2.6	0.50 U	NS	0.72	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:20 02/02/95

RFW Batch Number: 9501D499 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 516	06CPCF 516	06CPCF 516	06CPCF 517	06CPCF 518	06CPCF 519	06CPCF 520	06CPCF 521
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	109 %	101 %	103 %	94 %	96 %	104 %	102 %	100 %
HMX	0.50 U	100 %	103 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	96 %	100 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	98 %	102 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	99 %	103 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	94 %	98 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	100 %	104 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	102 %	104 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 522	06CPCF 523	06CPCF 524	06CPCF 524D	06CPCF 525	06CPCF 525	06CPCF 525	06CPCF 526
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	89 %	88 %	89 %	92 %	91 %	90 %	90 %	93 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %	95 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	97 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %	96 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	98 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	81 %	87 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %	97 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %	97 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:20 02/02/95

RFW Batch Number: 9501D499 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 527	06CPCF 528	06CPCF 529	06CPCF 530	06CPCF 531	06CPCF 532	06CPCF 533	06CPCF 534
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	84 %	90 %	93 %	92 %	91 %	88 %	103 %	87 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE048	95DE048
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT (ss)	96 %	100 %
HMX	0.50 U	106 %
RDX	0.50 U	107 %
TNB	0.50 U	101 %
DNB	0.50 U	102 %
TETRYL	0.50 U	83 %
NB	0.50 U	NS
TNT	0.50 U	100 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	106 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:19 02/09/95

RFW Batch Number: 9501D500 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 534D	06CPCF 534D	06CPCF 534D	06CPCF 535	06CPCF 536	06CPCF 537	06CPCF 538	06CPCF 539
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	87 %	87 %	95 %	87 %	91 %	96 %	91 %	95 %
HMX	0.50 U	105 %	102 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	104 %	100 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	106 %	103 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	108 %	106 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	104 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	108 %	106 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	109 %	106 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE047	95DE047
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT (ss)	86 %	88 %
HMX	0.50 U	104 %
RDX	0.50 U	105 %
TNB	0.50 U	101 %
DNB	0.50 U	101 %
TETRYL	0.50 U	78 %
NB	0.50 U	NS
TNT	0.50 U	96 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	99 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:24 02/03/95

RFW Batch Number: 9501D503 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 540	06CPCF 540	06CPCF 540	06CPCF 541	06CPCF 542	06CPCF 543	06CPCF 544	06CPCF 544D
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	97 %	89 %	98 %	91 %	98 %	96 %	89 %	88 %
HMX	0.50 U	94 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	90 %	95 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	91 %	94 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	92 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.5 U	80 %	82 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.5 U	88 %	95 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	88 %	97 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE053	95DE053
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT (ss)	97 %	100 %
HMX	0.50 U	98 %
RDX	0.50 U	100 %
TNB	0.50 U	92 %
DNB	0.50 U	97 %
TETRYL	0.50 U	71 %
NB	0.50 U	NS
TNT	0.50 U	96 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	98 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:37 02/07/95

RFW Batch Number: 9501D512 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 547	06CPCF 547	06CPCF 547	06CPCF 548	06CPCF 549	06CPCF 550	06CPCF 551	06CPCF 552
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	97 %	99 %	94 %	92 %	102 %	98 %	106 %	100 %
HMX	0.50 U	91 %	90 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	88 %	88 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	86 %	86 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	88 %	88 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	70 %	72 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	85 %	85 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	87 %	85 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 553	06CPCF 554	06CPCF 554D	06CPCF 555	06CPCF 556	06CPCF 556	06CPCF 556	06CPCF 557
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	104 %	104 %	104 %	99 %	105 %	96 %	103 %	98 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	91 %	85% *	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	89 %	85 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	86 %	81 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	89 %	85 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	65 %	57 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	84 %	81 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	86 %	87 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:14 02/06/95

RFW Batch Number: 9501D512 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 558	06CPCF 559	06CPCF 560	06CPCF 561	06CPCF 562	06CPCF 563	MB1	MB1S
RFW#:	013	014	015	016	017	018	95DE056	95DE056
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	105 %	101 %	97 %	98 %	93 %	105 %	96 %	101 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	86 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	90 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	55 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	86 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	88 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 09:33 02/08/95

RFW Batch Number: 9502D519 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 566	06CPCF 566	06CPCF 566	06CPCF 567	06CPCF 568	06CPCF 569	06CPCF 570	06CPCF 571
RFW#:	001	001MS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	103 %	95 %	98 %	95 %	99 %	102 %	102 %	102 %
HMX	0.50 U	83% *	87 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	85 %	88 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	81 %	85 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	86 %	91 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	61 %	70 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	81 %	88 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	84 %	90 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	06CPCF 572	06CPCF 573	06CPCF 574	06CPCF 574D	06CPCF 575	06CPCF 575	06CPCF 575	06CPCF 576
RFW#:	007	008	009	010	011	011MS	011MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	98 %	78 %	101 %	105 %	84 %	85 %	103 %	100 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	79% *	87 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	81 %	89 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	73 %	87 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	82 %	91 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	51 %	73 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	78 %	90 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	80 %	92 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 09:33 02/08/95

RFW Batch Number: 9502D519 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF
	577	578	579	580	581	582	583	584
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	108 %	98 %	104 %	97 %	118 %	92 %	90 %	84 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE058	95DE058
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT (ss)	101 %	97 %
HMX	0.50 U	85 %
RDX	0.50 U	87 %
TNB	0.50 U	79 %
DNB	0.50 U	82 %
TETRYL	0.50 U	50 %
NB	0.50 U	NS
TNT	0.50 U	79 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	83 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:12 02/06/95

RFW Batch Number: 9502D520 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 584D	06CPCF 584D	06CPCF 584D	06CPCF 585	MB1	MB1S
RFW#:	001	001MS	001MSD	002	95DE059	95DE059
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	83 %	102 %	98 %	100 %	103 %	103 %
HMX	0.50 U	86 %	89 %	0.50 U	0.50 U	89 %
RDX	0.50 U	86 %	88 %	0.50 U	0.50 U	91 %
TNB	0.50 U	83 %	85 %	0.50 U	0.50 U	88 %
DNB	0.50 U	87 %	89 %	0.50 U	0.50 U	91 %
TETRYL	0.50 U	68 %	66 %	0.50 U	0.50 U	65 %
NB	0.50 U	NS	NS	0.50 U	0.50 U	NS
TNT	0.50 U	85 %	85 %	0.50 U	0.50 U	87 %
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	88 %	87 %	0.50 U	0.50 U	88 %
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:18 02/10/95

RFW Batch Number: 9502D525 CLIENT: TSD/AAAP WORK ORDER: 03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 586	06CPCF 586	06CPCF 586	06CPCF 587	MB1	MB1S
RFW#:	001	001MS	001MSD	002	95DE064	95DE064
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	106 %	103 %	105 %	103 %	107 %	102 %
HMX	0.50 U	91 %	95 %	0.50 U	0.50 U	94 %
RDX	0.50 U	92 %	94 %	0.50 U	0.50 U	96 %
TNB	0.50 U	88 %	90 %	0.50 U	0.50 U	90 %
DNB	0.50 U	92 %	95 %	0.50 U	0.50 U	93 %
TETRYL	0.50 U	75 %	76 %	0.50 U	0.50 U	67 %
NB	0.50 U	NS	NS	0.50 U	0.50 U	NS %
TNT	0.50 U	89 %	93 %	0.50 U	0.50 U	88 %
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	NS %
2,4-DNT	0.50 U	91 %	95 %	0.50 U	0.50 U	91 %
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	NS %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Analytical Data for Lead (Study Area 6)

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 12:12 01/11/95

RFW Batch Number: 9501D427 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 247	06CPCF 247	06CPCF 247	06CPCF 248	06CPCF 249	06CPCF 250	06CPCF 250D	06CPCF 251
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.8 J	93 %	5.4 J	6.9 J	14 J	4.5 J	1.9 J	2.4 J

Sample Information:

Cust ID:	06CPCF 252	06CPCF 253	06CPCF 254	06CPCF 255	06CPCF 256	06CPCF 256	06CPCF 256	06CPCF 257
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	6.9 J	4.4 J	5.3 J	3.1 J	6.2 J	95 %	7.6 J	6.0 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 12:12 01/11/95

RFW Batch Number: 9501D427 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 258	06CPCF 259	06CPCF 260	06CPCF 260D	06CPCF 261	06CPCF 262	06CPCF 263	06CPCF 264
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	14 J	88	5.8 J	12 J	3.7 J	6.8 J	3.0 J	3.9 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM637	95DM637
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	97 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 10:05 01/12/95

RFW Batch Number: 9501D428 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 265	06CPCF 266	06CPCF 267	06CPCF 268	06CPCF 269	06CPCF 270	06CPCF 270D	06CPCF 271
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	20 J	8.4 J	1.9 J	3.0 J	3.7 J	13 J	12 J	28 J

Sample Information:

Cust ID:	06CPCF 272	06CPCF 273	06CPCF 274	06CPCF 274	06CPCF 274	06CPCF 275	06CPCF 276	06CPCF 277
RFW#:	009	010	011	011MS	011REP	012	0013	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.4 J	12 J	2.4 J	100 %	3.2 J	6.6 J	5.8 J	8.6 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 10:05 01/12/95

RFW Batch Number: 9501D428 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 278	06CPCF 279	06CPCF 280	06CPCF 280D	06CPCF 281	06CPCF 282	MB1	MB1S
RFW#:	015	016	017	018	019	020	95DM636	95DM636
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	29 J	6.5 J	1.9 J	1.2 J	2.4 J	6.3 J	1.0 J	92 %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
LEAD	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 15:56 01/10/95

RFW Batch Number: 9501D429 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 283	06CPCF 283	06CPCF 283	06CPCF 284	06CPCF 285	06CPCF 286	06CPCF 287	06CPCF 288
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	3.1 J	90 %	3.9 J	4.7 J	8.9 J	1.7 J	5.2 J	7.5 J

Sample Information:

Cust ID:	06CPCF 289	06CPCF 290	06CPCF 290D	06CPCF 291	06CPCF 292	06CPCF 292	06CPCF 292	06CPCF 293
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	2.8 J	12 J	8.6 J	8.1 J	6.8 J	85 %	5.1 J	5.1 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 15:56 01/10/95

RFW Batch Number: 9501D429 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 294	06CPCF 295	06CPCF 296	06CPCF 297	MB1	MB1S
RFW#:	013	014	015	016	95DM635	95DM635
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.1 J	5.1 J	3.5 J	17 J	50 U	91 %

Sample Information:

Cust ID:						
RFW#:						
Matrix:						
D.F.:						
Units:						
LEAD						

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 11:56 01/12/95

RFW Batch Number: 9501D431 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 298	06CPCF 298	06CPCF 298	06CPCF 299	06CPCF 300	06CPCF 300D	06CPCF 301	06CPCF 302
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	7.3 J	93 %	6.9 J	38 J	7.4 J	12 J	11 J	13 J

Sample Information:

Cust ID:	06CPCF 303	06CPCF 304	06CPCF 305	06CPCF 306	06CPCF 307	06CPCF 307	06CPCF 307	06CPCF 308
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	7.4 J	43 J	13 J	8.4 J	9.4 J	83 %	9.9 J	5.3 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 11:56 01/12/95

RFW Batch Number: 9501D431 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 309	06CPCF 310	06CPCF 310D	06CPCF 311	06CPCF 312	06CPCF 313	06CPCF 314	06CPCF 315
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.4 J	7.5 J	5.1 J	12 J	9.6 J	6.4 J	6.9 J	16 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM642	95DM642
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	93 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 15:10 01/11/95

RFW Batch Number: 9501D432 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 316	06CPCF 316	06CPCF 316	06CPCF 317	06CPCF 318	06CPCF 319	06CPCF 320	06CPCF 320D
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	7.56 J	95 %	10 J	6.0 J	13 J	24 J	8.4 J	7.0 J

Sample Information:

Cust ID:	06CPCF 321	06CPCF 322	06CPCF 323	MB1	MB1S
RFW#:	007	008	009	95DM638	95DM638
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	7.6 J	3.3 J	7.5 J	50 U	96 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 11:43 01/17/95

RFW Batch Number: 9501D443 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 345	06CPCF 345	06CPCF 345	06CPCF 346	06CPCF 347	06CPCF 348	06CPCF 349	06CPCF 350
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	91 %	14 J	7.4 J	31 J	7.8 J	11 J	14 J

Sample Information:

Cust ID:	06CPCF 351	06CPCF 352	06CPCF 353	06CPCF 354	06CPCF 354D	06CPCF 354D	06CPCF 354D	06CPCF 355
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	16 J	142	25 J	7.9 J	8.3 J	80 %	8.3 J	6.4 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 11:43 01/17/95

RFW Batch Number: 9501D443 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 356	06CPCF 357	06CPCF 358	06CPCF 359	06CPCF 360	06CPCF 361	06CPCF 362	06CPCF 363
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	6.2 J	17 J	14 J	7.0 J	48 J	12 J	8.4 J	13 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM646	95DM646
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	92 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:03 01/17/95

RFW Batch Number: 9501D444 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 364	06CPCF 364	06CPCF 364	06CPCF 364D	06CPCF 365	06CPCF 366	06CPCF 367	06CPCF 368
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	12 J	81 %	8.0 J	11 J	7.8 J	15 J	8.0 J	7.3 J

Sample Information:

Cust ID:	06CPCF 368D	06CPCF 369	06CPCF 370	06CPCF 371	06CPCF 372	06CPCF 372	06CPCF 372	06CPCF 373
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	6.1 J	5.6 J	9.4 J	18 J	8.4 J	85 %	10 J	10 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 14:03 01/17/95

RFW Batch Number: 9501D444 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 374	06CPCF 374D	06CPCF 375	06CPCF 376	06CPCF 377	06CPCF 378	06CPCF 379	06CPCF 380
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	11 J	6.5 J	6.3 J	7.4 J	8.2 J	8.8 J	8.4 J	11 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM647	95DM647
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	92 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:06 02/13/95

RFW Batch Number: 9501D449 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 387	06CPCF 387	06CPCF 387	06CPCF 388	06CPCF 389	06CPCF 390	06CPCF 391	06CPCF 392
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	6.3 J	85 %	5.8 J	17 J	17 J	4.7 J	31 J	21 J

Sample Information:

Cust ID:	06CPCF 393	06CPCF 394	06CPCF 395	06CPCF 396	06CPCF 397	06CPCF 397	06CPCF 397	06CPCF 398
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	14 J	5.2 J	6.2 J	11 J	106 %	8.6 J	7.3 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 16:10 01/14/95

RFW Batch Number: 9501D445 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 381	06CPCF 381	06CPCF 381	06CPCF 382	06CPCF 383	06CPCF 384	06CPCF 384D	06CPCF 385
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	4.0 J	97 %	4.4 J	3.8 J	3.0 J	6.5 J	5.1 J	4.3 J

Sample Information:

Cust ID:	06CPCF 386	MB1	MB1S
RFW#:	007	95DM645	95DM645
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	9.0 J	50 U	98 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 14:06 02/13/95

RFW Batch Number: 9501D449 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 394D	06CPCF 398D	MB1	MB1S
RFW#:	013	014	95DM654	95DM654
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.8 J	6.1 J	50 U	87 %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
LEAD	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 10:11 01/20/95

RFW Batch Number: 9501D457 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 404	06CPCF 404	06CPCF 404	06CPCF 405	06CPCF 406	06CPCF 407	06CPCF 408	06CPCF 409
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	8.0 J	94 %	7.1 J	18 J	9.0 J	12 J	8.8 J	7.8 J

Sample Information:

Cust ID:	06CPCF 410	06CPCF 411	06CPCF 411D	06CPCF 412	06CPCF 413	06CPCF 413	06CPCF 413	06CPCF 413D
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	59	9.0 J	8.8 J	9.5 J	19 J	120 %	20 J	11 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 10:11 01/20/95

RFW Batch Number: 9501D457 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 414	06CPCF 415	06CPCF 416	06CPCF 417	06CPCF 418	06CPCF 419	06CPCF 420	06CPCF 421
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.9 J	8.6 J	18 J	13 J	13 J	8.6 J	4.7 J	9.2 J

Sample Information:

Cust ID:	MB1	MB1S	06CPCF 422	06CPCF 422	06CPCF 422	MB1	MB1S
RFW#:	95DM657	95DM657	021	021MS	021REP	95DM658	95DM658
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	50 U	96 %	9.1 J	93 %	7.6 J	50 U	96 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 09:36 01/23/95

RFW Batch Number: 9501D461 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	O6CPCF 424	O6CPCF 424	O6CPCF 424	O6CPCF 425	O6CPCF 426	O6CPCF 427	O6CPCF 428	O6CPCF 429
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.9 J	96 %	13 J	4.2 J	8.9 J	6.2 J	11 J	10 J

Sample Information:

Cust ID:	O6CPCF 430	O6CPCF 431	O6CPCF 432	O6CPCF 433	O6CPCF 433D	O6CPCF 434	O6CPCF 434	O6CPCF 434
RFW#:	007	008	009	010	011	012	012MS	012REP
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	4.9 J	5.1 J	8.0 J	34 J	130	11 J	99 %	9.4 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 09:36 01/23/95

RFW Batch Number: 9501D461 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	O6CPCF 435	O6CPCF 436	O6CPCF 437	O6CPCF 438	O6CPCF 439	O6CPCF 440	O6CPCF 441	O6CPCF 442
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.7 J	6.4 J	6.1 J	6.4 J	3.5 J	4.8 J	6.6 J	8.8 J

Sample Information:

Cust ID:	MB1
RFW#:	95DM664
Matrix:	SOIL
D.F.:	1
Units:	mg/kg
LEAD	50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 10:18 02/02/95

RFW Batch Number: 9501D462 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 443	06CPCF 443	06CPCF 443	06CPCF 443D	06CPCF 444	06CPCF 445	06CPCF 445	06CPCF 445
RFW#:	001	001MS	001REP	002	003	004	004MS	004REP
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	50 U	13 %	2.1 J	3.4 J	2.6 J	9.4 J	113 %	11 J

Sample Information:

Cust ID:	06CPCF 446	06CPCF 447	06CPCF 448	06CPCF 449	06CPCF 450	06CPCF 451	06CPCF 452	MB1
RFW#:	005	006	007	008	009	010	011	95DM665
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	11 J	6.8 J	5.8 J	5.6 J	12 J	4.6 J	11 J	50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 10:18 02/02/95

RFW Batch Number: 9501D462 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID: MB1S

RFW#: 95DM665
Matrix: SOIL
D.F.: 1
Units: mg/kg

LEAD 97 %

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

LEAD

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:27 02/01/95

RFW Batch Number: 9501D466 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 423	06CPCF 423	06CPCF 423	06CPCF 453	06CPCF 453D	06CPCF 454	06CPCF 555	06CPCF 456
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	95	170 %	114	3.6 J	4.1 J	3.7 J	3.9 J	3.8 J

Sample Information:

Cust ID:	06CPCF 457	06CPCF 458	06CPCF 459	06CPCF 460	06CPCF 461	06CPCF 461	06CPCF 461	06CPCF 462
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	4.4 J	24 J	7.0 J	9.9 J	13 J	92 %	13 J	4.6 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 14:27 02/01/95

RFW Batch Number: 9501D466 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 463	06CPCF 463D	06CPCF 464	06CPCF 465	06CPCF 466	06CPCF 467	06CPCF 468	06CPCF 469
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.0 J	5.4 J	9.1 J	6.0 J	2.7 J	3.1 J	3.6 J	1.8 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM677	95DM677
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	101 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SENT BY FEB 16 '95 05:03PM ROY F. WESTON, INC 205 378 3325 P.5/7

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:55 02/01/95

RFW Batch Number: 9501D467 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 470	06CPCF 470	06CPCF 470	06CPCF 471	06CPCF 472	06CPCF 473	06CPCF 473D	06CPCF 474
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	3.4 J	95 %	4.0 J	11.6 J	9.3 J	2.9 J	4.5 J	4.5 J

Sample Information:

Cust ID:	06CPCF 475	06CPCF 476	MB1	MB1S
RFW#:	007	008	95DM678	95DM678
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.2 J	5.1 J	50 U	98 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

F:\GRUP\DEAD\LT20\METALS\ALABAMA\9501D467

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 15:16 02/01/95

RFW Batch Number: 9501D471 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 477	06CPCF 478	06CPCF 479	06CPCF 480	06CPCF 480	06CPCF 480	06CPCF 481	06CPCF 482
RFW#:	001	002	003	004	004MS	004REP	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	4.8 J	1.3 J	5.4 J	5.6 J	88 %	2.4 J	11.8 J	12.3 J

Sample Information:

Cust ID:	06CPCF 483	06CPCF 483D	06CPCF 484	06CPCF 485	06CPCF 486	06CPCF 487	MB1	MB1S
RFW#:	007	008	009	010	011	012	95DM678	95DM678
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.3 J	7.8 J	6.9 J	4.6 J	4.6 J	10.5 J	50.0 U	98 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 12:19 02/09/95

RFW Batch Number: 9502D473 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 488	06CPCF 488	06CPCF 488	06CPCF 489	06CPCF 490	06CPCF 491	06CPCF 492	MB1
RFW#:	001	001MS	001REP	002	003	004	005	95DM718
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.3 J	94 %	6.2 J	2.4 J	11 J	5.3 J	8.5 J	50 U

Sample Information:

Cust ID:	MB1S
RFW#:	95DM718
Matrix:	SOIL
D.F.:	1
Units:	mg/kg
LEAD	91 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:58 02/01/95

RFW Batch Number: 9501D478 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 494	06CPCF 494	06CPCF 494	06CPCF 494D	06CPCF 495	06CPCF 496	MB1	MB1S
RFW#:	001	001MS	001REP	002	003	004	95DM685	95DM685
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	40 J	105 %	91	24 J	27 J	10 J	50 U	81 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:31 02/02/95

RFW Batch Number: 9501D490 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 501	06CPCF 501	06CPCF 501	06CPCF 502	06CPCF 503	06CPCF 504	06CPCF 504D	06CPCF 505
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	17 J	84 %	18 J	5.4 J	17 J	9.2 J	13 J	8.9 J

Sample Information:

Cust ID:	06CPCF 506	06CPCF 507	06CPCF 508	06CPCF 509	06CPCF 510	06CPCF 510	06CPCF 510	06CPCF 511
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	5.3 J	7.8 J	4.6 J	8.5 J	13 J	107 %	11 J	5.8 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 08:53 02/02/95

RFW Batch Number: 9501D490 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM695	95DM695
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	93 %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
LEAD	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 10:35 02/02/95

RFW Batch Number: 9501D499 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 516	06CPCF 516	06CPCF 516	06CPCF 517	06CPCF 518	06CPCF 519	06CPCF 520	06CPCF 521
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	6.8 J	86 %	4.8 J	6.4 J	7.6 J	5.2 J	9.4 J	5.3 J

Sample Information:

Cust ID:	06CPCF 522	06CPCF 523	06CPCF 524	06CPCF 524D	06CPCF 525	06CPCF 525	06CPCF 525	06CPCF 526
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	7.7 J	7.1 J	6.5 J	8.6 J	5.9 J	102 %	9.6 J	6.8 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 10:35 02/02/95

RFW Batch Number: 9501D499 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 527	06CPCF 528	06CPCF 529	06CPCF 530	06CPCF 531	06CPCF 532	06CPCF 533	06CPCF 534
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	6.5 J	6.9 J	7.8 J	6.3 J	6.1 J	6.7 J	5.7 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM705	95DM705
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	90 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 11:24 02/02/95

RFW Batch Number: 9501D500 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 534D	06CPCF 534D	06CPCF 534D	06CPCF 535	06CPCF 536	06CPCF 537	06CPCF 538	06CPCF 539
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.2 J	86 %	10 J	5.8 J	9.1 J	8.4 J	9.2 J	7.2 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM704	95DM704
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	88 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:21 02/06/95

RFW Batch Number: 9502D503 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 540	06CPCF 540	06CPCF 540	06CPCF 541	06CPCF 542	06CPCF 543	06CPCF 544	06CPCF 544D
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	11 J	87 %	9.4 J	11 J	7.4 J	14 J	9.2 J	9.1 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM712	95DM712
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	85 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:36 02/12/95

RFW Batch Number: 9502D525 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 586	06CPCF 586	06CPCF 586	06CPCF 587	MB1	NB1S
RFW#:	001	001MS	001REP	002	95DM735	95DM735
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	1.9 J	85 %	2.1 J	2.1 J	50 U	93 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SENT BY FEB 15 '95 05:04PM ROY F. WESTON, INC 205 378 5920

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:44 02/09/95

RFW Batch Number: 9502D520 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 584D	06CPCF 584D	06CPCF 584D	06CPCF 585	MB1	MB1S
RFW#:	001	001MS	001REP	002	95DM722	95DM722
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	53	27 %	22 J	9.3 J	50 U	94 %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	

ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
CADMIUM
CHROMIUM
LEAD
NICKEL
SELENIUM
SILVER
THALLIUM

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 12:19 02/14/95

RFW Batch Number: 9502D519 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF 577	06CPCF 578	06CPCF 579	06CPCF 580	06CPCF 581	06CPCF 582	06CPCF 583	06CPCF 584
RFW#:	013	014	015	016	017	018	019	020
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	18 J	15 J	4.9 J	4.8 J	9.6 J	5.2 J	10 J	20 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM727	95DM727
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	50 U	93 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 12:19 02/14/95

RFW Batch Number: 9502D519 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 566	06CPCF 566	06CPCF 566	06CPCF 567	06CPCF 568	06CPCF 569	06CPCF 570	06CPCF 571
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	15 J	91 %	13 J	6.7 J	16 J	12 J	7.7 J	11 J

Sample Information:

Cust ID:	06CPCF 572	06CPCF 573	06CPCF 574	06CPCF 574D	06CPCF 575	06CPCF 575	06CPCF 575	06CPCF 576
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.5 J	9.7 J	5.3 J	7.7 J	15 J	87 %	14 J	16 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 12:43 02/06/95

RFW Batch Number: 9502D512 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 2

Sample Information:

Cust ID:	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	06CPCF	MB1	MB1S
	558	559	560	561	562	563		
RFW#:	013	014	015	016	017	018	95DM716	95DM716
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	10.7 J	8.8 J	12 J	7.1 J	5.2 J	11 J	50.0 U	105 %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
LEAD	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 12:43 02/06/95

RFW Batch Number: 9502D512 CLIENT: TSD/AAAP WORK ORDER:03886-080-011-6900 page 1

Sample Information:

Cust ID:	06CPCF 547	06CPCF 547	06CPCF 547	06CPCF 548	06CPCF 549	06CPCF 550	06CPCF 551	06CPCF 552
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	4.4 J	104 %	4.0 J	8.7 J	6.1 J	5.2 J	6.4 J	9.2 J

Sample Information:

Cust ID:	06CPCF 553	06CPCF 554	06CPCF 554D	06CPCF 555	06CPCF 556	06CPCF 556	06CPCF 556	06CPCF 557
RFW#:	007	008	009	010	011	011MS	011REP	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	4.0 J	8.6 J	9.2 J	3.7 J	5.3 J	109 %	5.0 J	7.5 J

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

APPENDIX D1
Confirmation Sample Results
Study Area 10
WESTON

Analytical Data for Explosives (Study Area 10)

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:36 03/31/95

RFW Batch Number: 9503D655 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF
	686	687	688	689	690	691	692	693
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	109 %	101 %	99 %	110 %	105 %	99 %	100 %	108 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10CPCF	10CPCF	MB1	MB1S
	694	694D		
RFW#:	009	010	95DE136	95DE136
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	102 %	106 %	102 %	111 %
HMX	0.50 U	0.50 U	0.50 U	103 %
RDX	0.50 U	0.50 U	0.50 U	108 %
TNB	0.50 U	0.50 U	0.50 U	99 %
DNB	0.50 U	0.50 U	0.50 U	102 %
TETRYL	0.50 U	0.50 U	0.50 U	83 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	103 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	103 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:25 04/03/95

RFW Batch Number: 9503D663 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 695	10CPCF 695	10CPCF 695	MB1	MB1
RFW#:	001	001MS	001MSD	95DE138	95DE138
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	111 %	107 %	107 %	112 %	111 %
HMX	0.50 U	95 %	96 %	0.50 U	105 %
RDX	0.50 U	97 %	99 %	0.50 U	107 %
TNB	0.50 U	97 %	95 %	0.50 U	99 %
DNB	0.50 U	102 %	104 %	0.50 U	101 %
TETRYL	0.50 U	83 %	67 %	0.50 U	81 %
NB	0.50 U	NS	NS	0.50 U	NS
TNT	0.50 U	103 %	103 %	0.50 U	102 %
2,6-DNT	0.50 U	NS	NS	0.50 U	NS
2,4-DNT	0.50 U	103 %	104 %	0.50 U	102 %
2-A-DNT	0.50 U	NS	NS	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

VT BY:

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:14 04/18/95

RFW Batch Number: 9504D671 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 700	10CPCF 701	10CPCF 702	10CPCF 703	10CPCF 704	10CPCF 704D	MB1	MB1S
RFW#:	001	002	003	004	005	006	95DE142	95DE142
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	106 %	112 %	110 %	108 %	111 %	115 %	103 %	99 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	91 %
RDX	0.50 U	0.50 U	0.53	0.50 U	0.50 U	0.50 U	0.50 U	92 %
TNB	3.7	0.50 U	0.59	0.50 U	2.4	1.4	0.50 U	87 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.57	0.50 U	0.50 U	90 %
TETRYL	159	11	8.4	0.50 U	369 E	127	0.50 U	72 %
NB	0.93	0.50 U	0.50 U	0.50 U	0.78	6.3	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	89 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.84	0.50 U	87 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	10CPCF 704	MB1	MB1S	10CPCF 700	MB1	MB1S
RFW#:	005RE	95DE148	95DE148	001RE	95DE150	95DE150
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	108 %	110 %	111 %	102 %	106 %	107 %
HMX	0.50 U	0.50 U	97 %	0.50 U	0.50 U	95 %
RDX	0.50 U	0.50 U	102 %	0.50 U	0.50 U	98 %
TNB	1.7	0.50 U	95 %	2.9	0.50 U	91 %
DNB	0.50 U	0.50 U	98 %	0.50 U	0.50 U	95 %
TETRYL	183	0.50 U	80 %	138	0.50 U	76 %
NB	0.51	0.50 U	NS	0.80	0.50 U	NS
TNT	0.50 U	0.50 U	98 %	0.50 U	0.50 U	94 %
2,6-DNT	0.50 U	0.50 U	NS	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	99 %	0.50 U	0.50 U	94 %
2-A-DNT	0.50 U	0.50 U	NS	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

BY:

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:33 04/15/95

RFW Batch Number: 9504D685 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10CPCF 711	10CPCF 712	10CPCF 713	10CPCF 714	10CPCF 714D	10CPCF 715	10CPCF 716	10CPCF 717
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	94 %	94 %	93 %	95 %	96 %	90 %	91 %	92 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10CPCF 718	10CPCF 719	10CPCF 720	10CPCF 721	MB1	MB1S
RFW#:	009	010	011	012	95DE151	95DE151
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	91 %	102 %	102 %	100 %	103 %	104 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	89 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	71 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:45 04/17/95

RFW Batch Number: 9504D688 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	10CPCF 726	10CPCF 727	10CPCF 728	MB1	MB1S
RFW#:	001	002	003	95DE152	95DE152
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	107 %	104 %	105 %	105 %	103 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	93 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	94 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	87 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	89 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	70 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	88 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	88 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

NT BY:

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:41 04/18/95

RFW Batch Number: 9504D696 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 730	10CPCF 731	10CPCF 732	10CPCF 733	10CPCF 734	10CPCF 734D	10CPCF 735	MB1
RFW#:	001	002	003	004	005	006	007	95DE155
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	100 %	95 %	113 %	113 %	108 %	118 %	110 %	113 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1S
RFW#:	95DE155
Matrix:	SOIL
D.F.:	2
Units:	mg/Kg
3-NT (ss)	113 %
HMX	95 %
RDX	97 %
TNB	91 %
DNB	95 %
TETRYL	73 %
NB	NS
TNT	93 %
2,6-DNT	NS
2,4-DNT	94 %
2-A-DNT	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:37 04/17/95

RFW Batch Number: 9504D699 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 736	10CPCF 737	MB1	MB1S
RFW#:	001	002	95DE156	95DE156
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	102 %	101 %	105 %	113 %
HMX	0.50 U	0.50 U	0.50 U	99 %
RDX	0.50 U	0.50 U	0.50 U	102 %
TNB	0.50 U	0.50 U	0.50 U	95 %
DNB	0.50 U	0.50 U	0.50 U	97 %
TETRYL	0.50 U	0.50 U	0.50 U	77 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	95 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	96 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

NT BY:

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:29 04/24/95

RFW Batch Number: 9504D709 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900-01 page 1

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	MB1	MB1S
RFW#:	739	740	741		
Matrix:	001	002	003	95DE163	95DE163
D.F.:	SOIL	SOIL	SOIL	SOIL	SOIL
Units:	2	2	2	2	2
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	111 %	101 %	102 %	112 %	105 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	97 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	101 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	92 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	95 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	77 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	94 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	95 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:03 04/24/95

RFW Batch Number: 9504D713 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900-01 page 1

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	MB1	MB1S
	742	743	744	744	744	744D		
RFW#:	001	002	003	003MS	003MSD	004	95DE166	95DE166
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	111 %	113 %	101 %	111 %	108 %	115 %	102 %	107 %
HMX	0.50 U	0.50 U	0.50 U	93 %	94 %	0.50 U	0.50 U	96 %
RDX	0.50 U	0.50 U	0.50 U	94 %	94 %	0.50 U	0.50 U	98 %
TNB	0.50 U	0.50 U	0.50 U	94 %	95 %	0.50 U	0.50 U	94 %
DNB	0.50 U	0.50 U	0.50 U	95 %	95 %	0.50 U	0.50 U	95 %
TETRYL	0.50 U	0.50 U	0.50 U	87 %	87 %	0.50 U	0.50 U	80 %
NB	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	96 %	94 %	0.50 U	0.50 U	94 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	96 %	95 %	0.50 U	0.50 U	94 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:44 05/02/95

RFW Batch Number: 9504D732 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900-01 page 1

Sample Information:

Cust ID:	10CPCF 745	10CPCF 746	10CPCF 747	10CPCF 748	10CPCF 749	10CPCF 750	10CPCF 751	10CPCF 752
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	99 %	103 %	102 %	106 %	97 %	94 %	97 %	95 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10CPCF 753	MB1	MB1S
RFW#:	009	95DE174	95DE174
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	103 %	99 %	105 %
HMX	0.50 U	0.50 U	93 %
RDX	0.50 U	0.50 U	97 %
TNB	0.50 U	0.50 U	90 %
DNB	0.50 U	0.50 U	95 %
TETRYL	0.50 U	0.50 U	69 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	92 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	94 %
2-A-DNT	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:06 05/02/95

RFW Batch Number: 9504D733 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900-01 page 1

Sample Information:

Cust ID:	10CPCF 755	10CPCF 756	10CPCF 757	10CPCF 758	10CPCF 759	MB1	MB1S
RFW#:	001	002	003	004	005	95DE174	95DE174
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	95 %	98 %	95 %	94 %	101 %	99 %	105 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	90 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	69 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:30 05/01/95

RFW Batch Number: 9504D736 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900-0 page 1

Sample Information:

Cust ID:	10CPCF 760	10CPCF 761	10CPCF 762	10CPCF 763	10CPCF 764	10CPCF 764D	MB1	MB1S
RFW#:	001	002	003	004	005	006	95DE175	95DE175
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	96 %	90 %	92 %	91 %	92 %	93 %	106 %	104 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	96 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	90 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %
TETRYL	0.50 U	6.5	0.50 U	2.0	1.2	1.4	0.50 U	77 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS %
TNT	0.50 U	1.1	0.50 U	0.50 U	0.59	0.72	0.50 U	93 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS %
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:32 05/08/95

RFW Batch Number: 9505D744 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 765	10CPCF 766	10CPCF 767	10CPCF 768	10CPCF 769	10CPCF 770	10CPCF 771	10CPCF 772
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	104 %	109 %	102 %	110 %	102 %	103 %	94 %	96 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.5
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10CPCF 773	10CPCF 774	10CPCF 774D	10CPCF 775	10CPCF 775	10CPCF 775	MB1	MB1S
RFW#:	009	010	011	012	012MS	012MSD	95DE179	95DE179
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	100 %	97 %	102 %	106 %	104 %	101 %	101 %	97 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	89 %	90 %	0.50 U	91 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	90 %	87 %	0.50 U	94 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	89 %	86 %	0.50 U	86 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	91 %	86 %	0.50 U	90 %
TETRYL	4.6	0.50 U	0.50 U	0.50 U	83 %	80 %	0.50 U	69 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	94 %	87 %	0.50 U	87 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	94 %	89 %	0.50 U	86 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	NS	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:11 05/11/95

RFW Batch Number: 9505D757 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	10CPCF	MB1	MB1S
	776	777	778	779		
RFW#:	001	002	003	004	95DE186	95DE186
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	111 %	108 %	109 %	108 %	108 %	106 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	73 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:14 05/11/95

RFW Batch Number: 9505D754 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF
	780	780	780	781	782	783	784	785
RFW#:	001	001SMS	001MSD	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	111 %	112 %	103 %	104 %	108 %	104 %	110 %	106 %
HMX	0.50 U	94 %	88 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	97 %	91 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	92 %	87 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	100 %	95 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	81 %	73 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	100 %	93 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	103 %	96 %	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	10CPCF	MB1	MB1S
	786	787	788	789		
RFW#:	007	008	009	010	95DE183	95DE183
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	112 %	110 %	105 %	106 %	112 %	112 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	71 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

NT BY:

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 13:30 05/01/95

RFW Batch Number: 9504D736 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900-0 page 1

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	MB1	MB1S
	760	761	762	763	764	764D		
RFW#:	001	002	003	004	005	006	95DE175	95DE175
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	96 %	90 %	92 %	91 %	92 %	93 %	106 %	104 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	96 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	90 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %
TETRYL	0.50 U	6.5	0.50 U	2.0	1.2	1.4	0.50 U	77 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS %
TNT	0.50 U	1.1	0.50 U	0.50 U	0.59	0.72	0.50 U	93 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS %
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:09 05/16/95

RFW Batch Number: 9505D766 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF	10CPCF	10CPCF	10CPCF	10CPCF	MB1	MB1S
RFW#:	801 001	801 001MS	801 001MS	802 002	803 003	95DE196	95DE196
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	117 %	109 %	110 %	116 %	111 %	114 %	120 %*
HMX	0.50 U	87 %	83 %*	0.50 U	0.50 U	0.50 U	86 %
RDX	0.50 U	89 %	84 %	0.50 U	0.50 U	0.50 U	89 %
TNB	0.50 U	90 %	88 %	0.50 U	0.50 U	0.50 U	85 %
DNB	0.50 U	92 %	90 %	0.50 U	0.50 U	0.50 U	89 %
TETRYL	0.50 U	86 %	89 %	0.50 U	2.4	0.50 U	71 %
NB	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	92 %	94 %	0.50 U	0.50 U	0.50 U	89 %
2,6-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	93 %	97 %	0.50 U	0.50 U	0.50 U	91 %
2-A-DNT	0.50 U	NS	NS	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:11 05/11/95

RFW Batch Number: 9505D757 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 776	10CPCF 777	10CPCF 778	10CPCF 779	MB1	MB1S
RFW#:	001	002	003	004	95DE186	95DE186
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	111 %	108 %	109 %	108 %	108 %	106 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	94 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	92 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %
TETRYL	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	73 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:15 05/20/95

RFW Batch Number: 9505D778 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 809	10CPCF 810	10CPCF 811	10CPCF 811D	10CPCF 812	10CPCF 813	10CPCF 814	10CPCF 808
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	110 %	103 %	108 %	111 %	106 %	105 %	104 %	105 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	5.7	0.50 U	0.71	1.3	1.1	0.50 U	2.2
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.74	0.50 U	0.50 U

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DE201	95DE201
Matrix:	SOIL	SOIL
D.F.:	2	2
Units:	mg/Kg	mg/Kg
3-NT (ss)	104 %	107 %
HMX	0.50 U	86 %
RDX	0.50 U	90 %
TNB	0.50 U	86 %
DNB	0.50 U	90 %
TETRYL	0.50 U	75 %
NB	0.50 U	NS
TNT	0.50 U	90 %
2,6-DNT	0.50 U	NS
2,4-DNT	0.50 U	91 %
2-A-DNT	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

[BY:

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NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:03 05/29/95

RFW Batch Number: 9505D802 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCP 819	MB1	MB1S
RFW#:	001	95DE212	95DE212
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	118 %	114 %	115 %
HMX	0.50 U	0.50 U	90 %
RDX	0.50 U	0.50 U	94 %
TNB	0.50 U	0.50 U	92 %
DNB	0.50 U	0.50 U	96 %
TETRYL	47	0.50 U	78 %
NB	0.50 U	0.50 U	NS %
TNT	0.50 U	0.50 U	94 %
2,6-DNT	0.50 U	0.50 U	NS %
2,4-DNT	0.50 U	0.50 U	97 %
2-A-DNT	0.50 U	0.50 U	NS %

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:33 09/27/95

RFW Batch Number:9509D014 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	10EXCF 863	10EXCF 864	10EXCF 864	MB1	MB1S
RFW#:	001	002	002RR	95DE346	95DE346
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	20	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	102 %	100 %	D %	101 %	102 %
HMX	0.50 U	0.50 U	5.0 U	0.50 U	92 %
RDX	0.50 U	0.50 U	5.0 U	0.50 U	97 %
TNB	0.50 U	0.97	5.0 U	0.50 U	90 %
DNB	0.50 U	0.45 U	5.0 U	0.50 U	93 %
TETRYL	1.6	E	943	0.50 U	76 %
NB	0.50 U	0.50 U	5.0 U	0.50 U	NS
TNT	0.50 U	0.50 U	5.0 U	0.50 U	92 %
2,6-DNT	0.50 U	0.50 U	5.0 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	5.0 U	0.50 U	95 %
2-A-DNT	0.50 U	0.50 U	5.0 U	0.50 U	NS

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SENT BY: 9-27-95 12:34 ROY F. WESTON, INC. - 205 378 3926 # 2/ 3

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:33 09/27/95

RFW Batch Number:9509D014 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	10EXCF	* 10EXCF	10EXCF	MB1	MB1S
	863	864	864		
RFW#:	001	002	002RR	95DE346	95DE346
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	20	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	102 %	100 %	D %	101 %	102 %
HMX	0.50 U	0.50 U	5.0 U	0.50 U	92 %
RDX	0.50 U	0.50 U	5.0 U	0.50 U	97 %
TNB	0.50 U	0.97	5.0 U	0.50 U	90 %
DNB	0.50 U	0.45 U	5.0 U	0.50 U	93 %
TETRYL	1.6	E	~~941~~	0.50 U	76 %
NB	0.50 U	0.50 U	5.0 U	0.50 U	NS
TNT	0.50 U	0.50 U	5.0 U	0.50 U	92 %
2,6-DNT	0.50 U	0.50 U	5.0 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	5.0 U	0.50 U	95 %
2-A-DNT	0.50 U	0.50 U	5.0 U	0.50 U	NS

Sample Information:

Cust ID: * Per phone conversation with Pat Young on 09-18-95 @ 10:15 am CST, use results of RFW # 002, Except Tetryl. For tetryl, use result of RFW # 002RR.

RFW#:

Matrix:

D.F.:

Units:

SBlair
09-18-95

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:37 09/28/95

RFW Batch Number:9509D017 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 865	10EXCF 865	10EXCF 866	10EXCF 866	10EXCF 867	MB1	MB1S
RFW#:	001	001RR	002	002RR	003	95DE347	95DE347
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	200	2	16	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	105 %	D %	107 %	D %	106 %	109 %	102 %
HMX	0.50 U	50 U	0.50 U	4.0 U	0.50 U	0.50 U	94 %
RDX	0.50 U	50 U	0.50 U	4.0 U	0.50 U	0.50 U	99 %
TNB	3.0	50 U	0.91	4.0 U	0.50 U	0.50 U	94 %
DNB	0.50 U	50 U	0.5 U	4.0 U	0.5 U	0.50 U	96 %
TETRYL	E	5159	E	1245	16	0.50 U	85 %
NB	0.50 U	50 U	0.50 U	4.0 U	0.50 U	0.50 U	NS
TNT	0.50 U	50 U	0.50 U	4.0 U	0.50 U	0.50 U	96 %
2,6-DNT	0.50 U	50 U	0.50 U	4.0 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	50 U	0.50 U	4.0 U	0.50 U	0.50 U	98 %
2-A-DNT	0.50 U	50 U	0.50 U	4.0 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:38 09/25/95

RFW Batch Number:9509D017 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information: D10-0D2-114 E10-0D2-14 E10-0D2-32

Cust ID:	10EXCF 865	10EXCF 866	10EXCF 867	MB1	MB1S **	10EXCF ** 865	10EXCF 866
RFW#:	001	002	003	95DE347	95DE347	001RR	002RR
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	40	8
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	105 %	107 %	103 %	109 %	102 %	D	D
HMX	0.50 U	0.50 U	0.50 U	0.50 U	94 %	10 U	2.0 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	99 %	10 U	2.0 U
TNB	3.0	0.91	0.50 U	0.50 U	94 %	10 U	2.0 U
DNB	0.50 U	0.50 U	3.2 *	0.50 U	96 %	10 U	2.0 U
TETRYL	4996 E	1222 E	15	0.50 U	85 %	1540	510
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS	10 U	2.0 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	96 %	10 U	2.0 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	10 U	2.0 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	98 %	10 U	2.0 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	10 U	2.0 U

Sample Information:

Cust ID:

RFW#:

Matrix:

D.F.:

Units:

** Per phone conversation w/ Pat Young on 09-28-95 @ 10:15 am CST, 10EXCF865 & 866 we re-analyzed a third time. However analyst didn't like results, so samples were re-analyzed a 4th time. Should receive results within 1 hr.

SBlaw
09-28-95

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 10:50 10/06/95

RFW Batch Number:9509D019 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	07EXCF 868	07EXCF 868	10EXCF 869	10EXCF 870	10EXCF 870	10EXCF 871	10EXCF 871	MB1
RFW#:	001	001RR	002	003	003RR	004	004RR	95DE348
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	20	2	200	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	100 %	97 %	98 %	107 %	D %	105 %	D %	95 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U
TNB	0.50 U	0.50 U	0.4 U	1.31	5.0 U	0.50 U	50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U
TETRYL	0.50 U	0.50 U	E	1459 E	1028	E	6524	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U
TNT	5.60	5.3	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U
2,4-DNT	84	88	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	50 U	0.50 U

Sample Information:

Cust ID:	MB1S
RFW#:	95DE348
Matrix:	SOIL
D.F.:	2
Units:	mg/Kg
3-NT (ss)	104 %
HMX	95 %
RDX	99 %
TNB	97 %
DNB	99 %
TETRYL	91 %
NB	NS
TNT	99 %
2,6-DNT	NS
2,4-DNT	102 %
2-A-DNT	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. RBP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:31 09/28/95

RFW Batch Number:9509D019 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	07EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	MB1	MB1S
	868	869	870	870	871	871		
RFW#:	001	002	003	003RR	004	004RR	95DE348	95DE348
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	20	2	200	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	100 %	98 %	107 %	D %	105 %	D %	95	104 %
HMX	0.50 U	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	95 %
RDX	0.50 U	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	99 %
TNB	0.50 U	0.35 U	1.3	5.00 U	0.50 U	50 U	0.50 U	97 %
DNB	0.50 U	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	99 %
TETRYL	0.50 U	133	E	1028	E	6524	0.50 U	91 %
NB	0.50 U	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	NS
TNT	5.60	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	99 %
2,6-DNT	0.50 U	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	NS
2,4-DNT	84	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	102 %
2-A-DNT	0.50 U	0.50 U	0.50 U	5.00 U	0.50 U	50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:18 09/29/95

RFW Batch Number:9509D026 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information: H10-0D2-94 H10-0D2-104 H10-0D2-24 J10-0D2-44 J10-0D2-86

Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF
	872	872	873	873	874	875	876	876
RFW#:	001	001RR	002	002RR	003	004	005	005RR
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	200	2	200	2	2	2	200
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	61 %*	D %	71 %*	D %	82 %*	75 %*	88 %	D %
HMX	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U
RDX	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U
TNB	0.50 U	50 U	0.50 U	50 U	0.50 U	0.42 U	3.9	50 U
DNB	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U
TETRYL	E	7898	E	8655	3.4	26	E	5463
NB	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U
TNT	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U
2,6-DNT	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U
2,4-DNT	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U
2-A-DNT	0.50 U	50 U	0.50 U	50 U	0.50 U	0.50 U	0.50 U	50 U

Sample Information: J10-0H-W12 J10-0H-R12

Cust ID:	10EXCF	10EXCF	MB1	MB1S
	877	878		
RFW#:	006	007	95DE352	95DE352
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	74 %*	86 %	95 %	88 %
HMX	0.50 U	0.50 U	0.50 U	86 %
RDX	0.50 U	0.50 U	0.50 U	88 %
TNB	0.50 U	0.50 U	0.50 U	84 %
DNB	0.50 U	0.50 U	0.50 U	85 %
TETRYL	2.32	0.50 U	0.50 U	79 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	80 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	83 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze. NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:56 09/30/95

RFW Batch Number:9509D028 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

	D10-0D2-24	D10-0D2-54				G10-0D2-14	F10-0D2-44	C10-0H-022
Cust ID:	10EXCF 879	10EXCF 880	10EXCF 880	10EXCF 880D	10EXCF 880D	10EXCF 881	10EXCF 882	10EXCF 883
RFW#:	001	002	002RR	003	003RR	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	10	2	10	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	105 %	91 %	0 %	100 %	0 %	101 %	105 %	103 %
HMX	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.21 U
DNB	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U
TETRYL	3.9	E	270	E	216	17	24	E
NB	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10EXCF 883	MB1	MB1S
RFW#:	006RR	95DE353	95DE353
Matrix:	SOIL	SOIL	SOIL
D.F.:	10	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	0 %	100 %	102 %
HMX	2.5 U	0.50 U	90 %
RDX	2.5 U	0.50 U	92 %
TNB	2.5 U	0.50 U	89 %
DNB	2.5 U	0.50 U	89 %
TETRYL	171	0.50 U	87 %
NB	2.5 U	0.50 U	NS
TNT	2.5 U	0.50 U	88 %
2,6-DNT	2.5 U	0.50 U	NS
2,4-DNT	2.5 U	0.50 U	91 %
2-A-DNT	2.5 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:02 09/30/95

RFW Batch Number:9509D031 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

	Bio-002-124	Bio-002-24	Cio-002-14		
Cust ID:	10EXCF	10EXCF	10EXCF	MB1	MB1S
	884	885	886		
RFW#:	001	002	003	95DE355	95DE355
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	85 %	114 %	118 %	93 %	104 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	96 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	99 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	96 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	98 %
TETRYL	0.50 U	7.5	47	0.50 U	94 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	97 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	100 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:

RFW#:

Matrix:

D.F.:

Units:

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze, RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:22 10/03/95

RFW Batch Number:9509D034 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

	B10-OD2-88		B10-OD2-94		B10-OD2-114		
Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	MB1	MB1S
	887	887	888	888	889		
RFW#:	001	001RR	002	002RR	003	95DE357	95DE357
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	10	2	10	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	83 %	D %	101 %	D %	87 %	85 %	88 %
HMX	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	93 %
RDX	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	94 %
TNB	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	89 %
DNB	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	91 %
TETRYL	E	325	E	369	0.50 U	0.50 U	81 %
NB	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	NS
TNT	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	89 %
2,6-DNT	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	90 %
2-A-DNT	0.50 U	2.5 U	0.50 U	2.5 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:33 10/09/95

RFW Batch Number:9510D040 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:	A10-0D2-84	A10-0D1-44	B10-0D1-124	B10-RH-W22	C10-0D1-71	C10-0D1-52	C10-0D1-32	D10-RH-W11
Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF
	890	891	892	893	894	895	896	897
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	80 %*	79 %*	100 %	85 %	100 %	104 %	90 %	80 %*
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	67	87	0.50 U	16	0.50 U	4.4	25	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:	D10-0D1-154	D10-0D1-134	D10-0D1-104	D10-0D1-44	D10-0D1-14			
Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	MB1
	898	899	900	901	902	890D	900D	
RFW#:	009	010	011	012	013	014	015	95DE360
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	94 %	91 %	93 %	94 %	95 %	95 %	88 %	92 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	16	0.50 U	0.50 U	0.50 U	0.50 U	53	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze.
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:33 10/09/95

RFW Batch Number:9510D040 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 2

Sample Informatio

Cust ID: MB1S

RFW#: 95DE360
Matrix: SOIL
D.F.: 2
Units: mg/Kg

3-NT (ss)	100 %
HMX	83 %
RDX	86 %
TNB	81 %
DNB	84 %
TETRYL	73 %
NB	NS
TNT	82 %
2,6-DNT	NS
2,4-DNT	85 %
2-A-DNT	NS

Sample Informatio

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 15:29 10/09/95

RFW Batch Number:9510D042 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

	F10-0D164	F10RH-W31	F10-0D158	F10-0D138		
Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	MB1	MB1S
	903	904	905	906		
RFW#:	001	002	003	004	95DE361	95DE361
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	91 %	82 %*	83 %	92 %	86 %	91 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	80 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	83 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	76 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	79 %
TETRYL	1.70	0.50 U	0.50 U	0.50 U	0.50 U	68 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	77 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	79 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze. NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 08:34 10/12/95

RFW Batch Number:9510D046 CLIENT: TSD/AAAP WORK ORDER: 03886-080-015-6900 page 1

Sample Information:

	G10-ODI-14	G10-ODI-74	H10-RH-W22	H10-ODI-194		H10-ODI-14	J10-ODI-14	J10-RH-W22
Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF
	907	908	909	910	910D	911	912	913
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	92 %	79 %*	92 %	82 %*	85 %	70 %*	78 %*	87 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	20	25	8.2	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

	L10-RH-W32		
Cust ID:	10EXCF	MB1	MB1S
	914		
RFW#:	009	95DE365	95DE365
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	86 %	86 %	90 %
HMX	0.50 U	0.50 U	81 %
RDX	0.50 U	0.50 U	86 %
TNB	0.50 U	0.50 U	80 %
DNB	0.50 U	0.50 U	84 %
TETRYL	6.2	0.50 U	75 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	82 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	84 %
2-A-DNT	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze.
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:02 10/11/95

RFW Batch Number: 9510D046 CLIENT: TSD/AAAP WORK ORDER: 03886-080-015-6900 page 1

Sample Information:

	G10-001-14	G10-001-14	H10-RH-W12	H10-001-134		H10-001-14	J10-001-14	J10-RH-W22
Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF
	907	908	909	910	910D	911	912	913
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (SS)	92 %	79 %*	92 %	82 %*	85 %	70 %*	78 %*	87 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	20	25	8.2	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

	H10-RH-W32 *10EXCF		
Cust ID:	~~MB1~~ 914	MB1	MB1S
RFW#:	009	95DE365	95DE365
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (SS)	86 %	86 %	90 %
HMX	0.50 U	0.50 U	81 %
RDX	0.50 U	0.50 U	86 %
TNB	0.50 U	0.50 U	80 %
DNB	0.50 U	0.50 U	84 %
TETRYL	6.2	0.50 U	75 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	82 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	84 %
2-A-DNT	0.50 U	0.50 U	NS

* Requested revision from Stockton. SBlaw 10-12-95

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze, RR=reanalyze. NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:38 10/25/95

RFW Batch Number:9510D068 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 915	10EXCF 916	10EXCF 917	10EXCF 918	10EXCF 919	95DE381	95DE381
RFW#:	001	002	003	004	005	MB1	MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	99 %	192 %*	104 %	101 %	105 %	101 %	102 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	93 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	97 %
TNB	0.50 U	0.31 U	0.50 U	0.50 U	0.50 U	0.50 U	95 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	98 %
TETRYL	38	146	37	0.50 U	1.3	0.50 U	88 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	99 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	101 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:

RFW#:

Matrix:

D.F.:

Units:

3-NT (ss)
HMX
RDX
TNB
DNB
TETRYL
NB
TNT
2,6-DNT
2,4-DNT
2-A-DNT

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze. NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 17:52 11/02/95

RFW Batch Number:9510D085 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information: K10-002-34

Cust ID:	10EXCF 920	10EXCF 920D	MB1	MB1S
RFW#:	001	002	95DE393	95DE393
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (SS)	93 %	95 %	92 %	94 %
HMX	0.50 U	0.50 U	0.50 U	88 %
RDX	0.50 U	0.50 U	0.50 U	92 %
TNB	0.50 U	0.50 U	0.50 U	88 %
DNB	0.50 U	0.50 U	0.50 U	89 %
TETRYL	3.7	6.5	0.50 U	84 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	88 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	90 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (SS)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 01:31

RFW Batch Number:9511D094 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900

Sample Information:

Cust ID:	10EXCF 921	10EXCF 922	10EXCF 923	10EXCF 924	10EXCF 925	10EXCF 926	10EXCF 927
RFW#:	001	002	003	004	005	006	007
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	74 %*	68 %*	73 %*	63 %*	76 %*	65 %*	76 %*
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.82	3.1	9.6	0.81	1.1	2.0
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10EXCF 929	MB1	MB1S
RFW#:	009	95DE399	95DE399
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	73 %*	82 %	83 %
HMX	0.50 U	0.50 U	84 %
RDX	0.50 U	0.50 U	86 %
TNB	0.50 U	0.50 U	80 %
DNB	0.50 U	0.50 U	82 %
TETRYL	0.50 U	0.50 U	70 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	78 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	[illegible] %
2-A-DNT	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated val
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanal
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Preliminary

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:48

RFW Batch Number: 9511D094 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900

Sample Information:

Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF
	921	922	923	924	925	926	927
RFW#:	001	002	003	004	005	006	007
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	74 %*	68 %*	73 %*	63 %*	76 %*	65 %*	76 %*
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	0.50 U	0.82	3.1	9.6	0.81	1.1	2.0
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10EXCF	10EXCF	MB1	MB1S
	928	929		
RFW#:	008	009	95DE399	95DE399
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	73 %*	73 %*	82 %	83 %
HMX	0.50 U	0.50 U	0.50 U	84 %
RDX	0.50 U	0.50 U	0.50 U	86 %
TNB	0.50 U	0.50 U	0.50 U	80 %
DNB	0.50 U	0.50 U	0.50 U	82 %
TETRYL	0.50 U	0.50 U	0.50 U	70 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	78 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	81 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated val
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanal
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:05 11/17/95

RFW Batch Number:9511D102 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 930	10EXCF 930	10EXCF 930D	10EXCF 930D	10EXCF 931	10EXCF 932	10EXCF 933	10EXCF 933
RFW#:	001	001RE	002	002RE	003	004	005	005RE
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	82 %*	123 %	82 %*	121 %	83 %	83 %	81 %*	116 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	1.1	1.7	5.5	10	0.50 U	0.50 U	0.50 U	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10EXCF 934	10EXCF 935	10EXCF 936	10EXCF 937	10EXCF 937	MB1	MB1S	MB1RE
RFW#:	006	007	008	009	009RE	95DE404	95DE404	95DE413
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	84 %	84 %	85 %	78 %*	123 %	87 %	86 %	124 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	81 %	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	85 %	0.50 U
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	77 %	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	82 %	0.50 U
TETRYL	0.50 U	0.50 U	0.50 U	49	38	0.50 U	67 %	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	78 %	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	80 %	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze, RR=reanalyze.
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 12:05 11/17/95

RFW Batch Number:9511D102 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 2

Sample Informatio

Cust ID: MB1SRE

RFW#: 95DE413
Matrix: SOIL
D.F.: 2
Units: mg/Kg

3-NT (ss)	120 %
HMX	94 %
RDX	98 %
TNB	87 %
DNB	91 %
TETRYL	78 %
NB	NS
TNT	89 %
2,6-DNT	NS
2,4-DNT	91 %
2-A-DNT	NS

Sample Informatio

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze. RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:29 11/10/95

RFW Batch Number: 9511D104 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information: LIS-ODI-64 LIS-RH-012

Cust ID:	10EXCF 938	10EXCF 939	MB1	MB1S
RFW#:	001	002	95DE405	95DE405
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	76 %*	79 %*	92 %	83 %
HMX	0.50 U	0.50 U	0.50 U	84 %
RDX	0.50 U	0.50 U	0.50 U	85 %
TNB	0.50 U	0.50 U	0.50 U	77 %
DNB	0.50 U	0.50 U	0.50 U	80 %
TETRYL	0.90	4.7	0.50 U	72 %
NB	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	76 %
2,6-DNT	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	78 %
2-A-DNT	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SEP 08 '95 09:33AM FROM F. WESTON, INC 205 378 3325 P.33/42

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 14:51 11/27/95

RFW Batch Number:9511D120 CLIENT: TSD/AAAP WORK ORDER: 03886-080-015-6900 page 1

Sample Information:

Cust ID.	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF
	940	940D	940D	941	942	943	943	944
RFW#:	001	002	002RE	003	004	005	005RE	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	91 %	77 %*	121 %	86 %	94 %*	81 %*	82 %*	120 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNB	0.50 U	0.50 U	0.43 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TETRYL	23	27	34	3.7	1.9	0.50 U	0.50 U	13
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Sample Information:

Cust ID:	10EXCF	10EXCF	10EXCF	MB1	MB1S	MB1RE	MB1SRE
	945	946	947				
RFW#:	007	008	009	95DE414	95DE414	95DE418	95DE418
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	2	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	89 %	111 %	93 %	104 %	120 %	105 %	93 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	87 %	0.50 U	79 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	90 %	0.50 U	81 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	81 %	0.50 U	75 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	84 %	0.50 U	77 %
TETRYL	0.8	0.50 U	6.4	0.50 U	74 %	0.50 U	73 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	80 %	0.50 U	73 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	83 %	0.50 U	76 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	NS	0.50 U	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze, RR=reanalyze.
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 11:02 11/28/95

RFW Batch Number:9511D124 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information: 818-21-F

Cust ID:	21EXCF 948	MB1	MB1S
RFW#:	001	95DE419	95DE419
Matrix:	SOIL	SOIL	SOIL
D.F.:	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	85 %	99 %	99 %
HMX	0.50 U	0.50 U	83 %
RDX	0.50 U	0.50 U	87 %
TNB	0.50 U	0.50 U	79 %
DNB	0.50 U	0.50 U	81 %
TETRYL	0.50 U	0.50 U	78 %
NB	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	78 %
2,6-DNT	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	81 %
2-A-DNT	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze, RR=reanalyze NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 16:25 11/29/95

RFW Batch Number:9511D127 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	MB1	MB1S
	949	950	950	951	951	951D		
RFW#:	001	002	002RR	003	003RR	004	95DE422	95DE422
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	4	4	2	2	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	74 %*	108 %	87 %	112 %	95 %	100 %	105 %	104 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	77 %
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	79 %
TNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	72 %
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	75 %
TETRYL	3.8	0.50 U	0.50 U	320	258	32	0.50 U	64 %
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	73 %
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	74 %
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	NS

Sample Information:

Cust ID:	
RFW#:	
Matrix:	
D.F.:	
Units:	
3-NT (ss)	
HMX	
RDX	
TNB	
DNB	
TETRYL	
NB	
TNT	
2,6-DNT	
2,4-DNT	
2-A-DNT	

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze, RR=reanalyze.
NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

NITROAROMATIC/NITROMINE ANALYSIS METHOD 8330 21:46 11/29/95

RFW Batch Number:9511D132 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

	G10-002-62	A10-002-14	H10-002-64		H10-002-54	E10-002-54		
Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	MB1
	952	953	954	954RR	955	956	956RR	
RFW#:	001	002	003	003	004	005	005	95DE425
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2	2	2	4	2	2	50	2
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
3-NT (ss)	80 %*	92 %	80 %*	105 %	98 %	89 %	D %	108 %
HMX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U
RDX	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U
TNB	0.50 U	0.27 J	0.50 U	0.50 U	0.50 U	1.8	12.50 U	0.50 U
DNB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U
TETRYL	20	114	253 E	334	0.50 U	2447 E	2939	0.50 U
NB	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U
TNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U
2,6-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U
2,4-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U
2-A-DNT	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.50 U	0.50 U

Sample Information:

Cust ID:	MB1S
RFW#:	95DE425
Matrix:	SOIL
D.F.:	2
Units:	mg/Kg
3-NT (ss)	98 %
HMX	78 %
RDX	80 %
TNB	72 %
DNB	74 %
TETRYL	64 %
NB	NS
TNT	72 %
2,6-DNT	NS
2,4-DNT	73 %
2-A-DNT	NS

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value. NR=Not required. BS=Blank spike. MB1= Blank. I=Interference. RE=reextract/reanalyze, RR=reanalyze. NS=Not spiked. D=diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. [redacted] Stockton L[redacted]rato[redacted]

EXPLOSIVES [redacted] SOIL BY HPLC

RFW Batch Number: 9512D136 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 12/[redacted]/95 [redacted] Page: 1

	Cust ID:	10EXCF957	10EXCF957	BLK	BLK	BLK BS
Sample Information	RFW#:	001	001 RE	95SE1235-MB1	95SE1241-MB1	95SE1241-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg Reprep	mg/Kg	mg/Kg	mg/Kg
Surrogate:	3-Nitrotoluene	129 %	129 %	0.50 U	129 %	131 %
OctahydroTetranitroTetrazocine		0.50 U	0.050 U	0.50 U	0.050 U	101 %
HexahydroTrinitroTriazine		0.50 U	0.050 U	0.50 U	0.050 U	99 %
1,3,5-Trinitrobenzene		0.50 U	0.050 U	0.50 U	0.050 U	136 * %
1,3-Dinitrobenzene		0.50 U	0.050 U	0.50 U	0.050 U	92 %
MethylTrinitrophenylnitramine		0.50 U	0.050 U	0.50 U	0.050 U	123 * %
Nitrobenzene		0.50 U	0.050 U	0.50 U	0.050 U	0.050 U
2,4,6-Trinitrotoluene		0.50 U	0.050 U	0.50 U	0.050 U	109 %
2-Amino-4,6-dinitrotoluene		0.50 U	0.050 U	0.50 U	0.050 U	0.050 U
2,4-Dinitrotoluene		0.50 U	0.050 U	0.50 U	0.050 U	110 %
2,6-Dinitrotoluene		0.50 U	0.050 U	0.50 U	0.050 U	0.050 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Analytical Data for Total Lead (Study Area 10)

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:01 04/01/95

RFW Batch Number: 9503D655 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 686	10CPCF 687	10CPCF 688	10CPCF 689	10CPCF 690	10CPCF 691	10CPCF 692	10CPCF 693
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.3 J	9.5 J	12 J	14 J	32 J	12 J	12 J	10 J

Sample Information:

Cust ID:	10CPCF 694	10CPCF 694D	MB1	MB1S
RFW#:	009	010	95DM860	95DM860
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	11 J	10 J	50 U	90 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 18:49 04/01/95

RFW Batch Number: 9503D663 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 695	10CPCF 695	10CPCF 695	MB1	MB1S
RFW#:	001	001MS	001REP	95DM860	95DM860
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	12 J	89 %	9.7 J	50 U	90 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 07:35 04/11/95

RFW Batch Number: 9504D671 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 700	10CPCF 701	10CPCF 702	10CPCF 703	10CPCF 704	10CPCF 704D	MB1	MB1S
RFW#:	001	002	003	004	005	006	95DM871	95DM871
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	116	130	173	40 J	38 J	33 J	50 U	95 %

Sample Information:

Cust ID:								
RFW#:								
Matrix:								
D.F.:								
Units:								

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

ENT BY:JUN 02 '95 07:57AM ROY F. WESTON, INC 205 378 3928 ESTON, INC.→ 206 378 3928 P.3/3

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:48 06/01/95

RFW Batch Number: 9505D802 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 819	MB1	MB1S
RFW#:	001	95DM006	95DM006
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	1900	50 U	87 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 16:15 04/16/95

RFW Batch Number: 9504D688 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	10CPCF 726	10CPCF 727	10CPCF 728	MB1	MB1S
RFW#:	001	002	003	95DM893	95DM893
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	12 J	14 J	16 J	50 U	90 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 06:41 05/18/95

RFW Batch Number: 9505D774 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 804	10CPCF 804	10CPCF 804	10CPCF 805	10CPCF 806	10CPCF 807	MB1	MB1S
RFW#:	001	001MS	001REP	002	003	004	95DM967	95DM967
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	1600.0	6700.0 %	1200.0	1100.0	530	1000.0	50 U	91 %

Sample Information:

Cust ID:								
RFW#:								
Matrix:								
D.F.:								
Units:								

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 17:01 04/16/95

RFW Batch Number: 9504D699 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 736	10CPCF 737	MB1	MB1S
RFW#:	001	002	95DM894	95DM894
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.9 J	8.7 J	50 U	90 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out, MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 21:49 05/11/95

RFW Batch Number: 95050759 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 790	10CPCF 790	10CPCF 790	10CPCF 790D	10CPCF 791	10CPCF 792	10CPCF 793	10CPCF 797
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	18 J	97 %	21 J	23 J	260	3000	1600	17 J

Sample Information:

Cust ID:	10CPCF 797D	10CPCF 798	10CPCF 799	10CPCF 800	MB1	MB1S
RFW#:	007	008	009	010	95DM953	95DM953
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	19 J	90	7.5 J	8.1 J	50 U	103 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 13:09 05/01/95

RFW Batch Number: 9504D713 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 742	10CPCF 743	10CPCF 744	10CPCF 744	10CPCF 744	10CPCF 744D	MB1	MB1S
RFW#:	001	002	003	003MS	003REP	004	95DM916	95DM916
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	9.8 J	11 J	9.8 J	88 %	9.3 J	13 J	50 U	93 %

Sample Information:

Cust ID:								
RFW#:								
Matrix:								
D.F.:								
Units:								

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 21:02 05/10/95

RFW Batch Number: 9505D757 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 776	10CPCF 777	10CPCF 778	10CPCF 779	MB1	MB1S
RFW#:	001	002	003	004	95DM949	95DM949
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	22 J	21 J	18 J	17 J	50 U	91 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:28 05/02/95

RFW Batch Number: 9504D733 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 755	10CPCF 756	10CPCF 757	10CPCF 758	10CPCF 759	MB1	MB1S
RFW#:	001	002	003	004	005	95DM928	95DM928
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	17 J	19 J	25 J	15 J	7.9 J	50 U	85 %

Sample Information:

Cust ID:							
RFW#:							
Matrix:							
D.F.:							
Units:							

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:58 05/02/95

RFW Batch Number: 9504D736 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 760	10CPCF 761	10CPCF 762	10CPCF 763	10CPCF 764	10CPCF 764D	MB1	MB1S
RFW#:	001	002	003	004	005	006	95DM930	95DM930
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	3000	1200	730	3800	900	2300	50 U	89 %

Sample Information:

Cust ID:								
RFW#:								
Matrix:								
D.F.:								
Units:								

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 13:26 05/08/95

RFW Batch Number: 9505D744 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 765	10CPCF 766	10CPCF 767	10CPCF 768	10CPCF 769	10CPCF 770	10CPCF 771	10CPCF 772
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	630	16 J	17 J	15 J	20 J	19 J	31 J	1100

Sample Information:

Cust ID:	10CPCF 773	10CPCF 774	10CPCF 774-D	10CPCF 775	10CPCF 775	10CPCF 775	MB1	MB1S
RFW#:	009	010	011	012	012MS	012REP	95DM938	95DM938
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	2300	1600	1100	105	120 %	110	50 U	89 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:21 05/02/95

RFW Batch Number: 9504D732 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 745	10CPCF 746	10CPCF 747	10CPCF 748	10CPCF 749	10CPCF 750	10CPCF 751	10CPCF 752
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	13 J	12 J	16 J	14 J	12 J	15 J	15 J	13 J

Sample Information:

Cust ID:	10CPCF 753	MB1	MB1S
RFW#:	009	95DM928	95DM928
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	10 J	50 U	85 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 21:14 05/10/95

RFW Batch Number: 9505D754 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 780	10CPCF 780	10CPCF 780	10CPCF 781	10CPCF 782	10CPCF 783	10CPCF 784	10CPCF 785
RFW#:	001	001MS	001REP	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	14 J	98 %	11 J	36 J	9.4 J	6.4 J	12 J	11 J

Sample Information:

Cust ID:	10CPCF 786	10CPCF 787	10CPCF 788	10CPCF 789	MB1	MB1S
RFW#:	007	008	009	010	95DM949	95DM949
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	7.1 J	10 J	18 J	11 J	50 U	91 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 20:35 04/21/95

RFW Batch Number: 9504D709 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 739	10CPCF 740	10CPCF 741	MB1	MB1S
RFW#:	001	002	003	95DM911	95DM911
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	15 J	420	13 J	50 U	95 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 17:14 05/13/95

RFW Batch Number: 9505D766 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	10CPCF 801	10CPCF 801	10CPCF 801	10CPCF 802	10CPCF 803	MB1	MB1S
RFW#:	001	001MS	001REP	002	003	95DM961	95DM961
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	12 J	90 %	12 J	2000	120	50 U	89 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 16:49 04/16/95

RFW Batch Number: 9504D696 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 730	10CPCF 731	10CPCF 732	10CPCF 733	10CPCF 734	10CPCF 734D	10CPCF 735	MB1
RFW#:	001	002	003	004	005	006	007	95DM893
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	22 J	11 J	12 J	12 J	22 J	13 J	13 J	50 U

Sample Information:

Cust ID:	MB1S
RFW#:	95DM893
Matrix:	SOIL
D.F.:	1
Units:	mg/kg
LEAD	90 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike; MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 17:26 05/25/95

RFW Batch Number: 9505D778 CLIENT: TSD/AAAP WORK ORDER: 03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 809	10CPCF 810	10CPCF 811	10CPCF 811-D	10CPCF 812	10CPCF 813	10CPCF 814	10CPCF 808
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	980	640	27 J	21 J	400	1049	13 J	24 J

Sample Information:

Cust ID:	MB1	MB1S
RFW#:	95DM971	95DM971
Matrix:	SOIL	SOIL
D.F.:	1	1
Units:	mg/kg	mg/kg
LEAD	1.3 J	89 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 18:49 04/01/95

RFW Batch Number: 9503D663 CLIENT: TSD/AAAP WORK ORDER:03886-080-013-6900 page 1

Sample Information:

Cust ID:	10CPCF 695	10CPCF 695	10CPCF 695	MB1	MB1S
RFW#:	001	001MS	001REP	95DM860	95DM860
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	12 J	89 %	9.7 J	50 U	90 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SEPT BY: 9-21-95 ; 18:52 ; ROY F. WESTON, INC. → 205 378 3926;# 2/ 3

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 18:44 09/21/95

RFW Batch Number: 9509D014 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 863	10EXCF 864	MB1	MB1S
RFW#:	001	002	95DM268	95DM268
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	170	37 J	50 U	94 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 18:44 09/21/95

RFW Batch Number: 9509D014 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 863	10EXCF 864	MB1	MB1S
RFW#:	001	002	95DM268	95DM268
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	170	37 J	50 U	94 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 20:06 09/22/95

RFW Batch Number: 9509D017 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 865	10EXCF 866	10EXCF 867	MB1	MB1S
RFW#:	001	002	003	95DM271	95DM271
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	180	18 J	30 J	50 U	92 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:14 09/26/95

RFW Batch Number: 9509D019 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information:

Cust ID:	07EXCF 868	10EXCF 869	10EXCF 870	10EXCF 871	MB1	MB1S
RFW#:	001	002	003	004	95DM279	95DM279
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	17 J	140	30 J	24 J	50 U	97 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 20:23 09/28/95

RFW Batch Number: 9509D026 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 872	10EXCF 873	10EXCF 874	10EXCF 875	10EXCF 876	10EXCF 877	10EXCF 878	MB1
RFW#:	001	002	003	004	005	006	007	95DM283
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	26 J	120	42 J	24 J	56	24 J	35 J	50 U

Sample Information:

Cust ID:	MB1S
RFW#:	95DM283
Matrix:	SOIL
D.F.:	1
Units:	mg/kg
LEAD	92 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 21:44 09/29/95

RFW Batch Number: 9509D028 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 879	10EXCF 880	10EXCF 880(D)	10EXCF 881	10EXCF 882	10EXCF 883	MB1	MB1S
RFW#:	001	002	003	004	005	006	95DM285	95DM285
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	55	140	110	11 J	13 J	360	50 U	91 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:30 10/05/95

RFW Batch Number: 9510D031 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 884	10EXCF 885	10EXCF 886	MB1	MB1S
RFW#:	001	002	003	95DM299	95DM299
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	10 J	16 J	17 J	50 U	92 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SEP 05 '95 09:22AM ROY F. WESTON, INC. 205 378 3926 SENT BY: 10- 5-95 ; 20:32 ; ROY F. WESTON, INC. - 205 378 3926;# 3/ 7

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:38 10/05/95

RFW Batch Number: 9510D034 CLIENT: TSD/AAAP WORK ORDER: 03886-080-015-6900 page 1

Sample Information:

Cust ID:	10EXCF 887	10EXCF 888	10EXCF 889	MB1	MB1S
RFW#:	001	002	003	95DM299	95DM299
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	70	86	96	50 U	92 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 16:36 10/05/95

RFW Batch Number: 9510D040 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 890	10EXCF 891	10EXCF 892	10EXCF 893	10EXCF 894	10EXCF 895	10EXCF 896	10EXCF 897
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	64	67	170	120	150	24 J	32 J	130

Sample Information:

Cust ID:	10EXCF 898	10EXCF 899	10EXCF 900	10EXCF 901	10EXCF 902	10EXCF 890(D)	10EXCF 900(D)	MB1
RFW#:	009	010	011	012	013	014	015	95DM296
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	47 J	20 J	36 J	13 J	28 J	54	15 J	50 U

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS 16:36 10/05/95

RFW Batch Number: 9510D040 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 2

Sample Information:

Cust ID: MB1S

RFW#: 95DM296
Matrix: SOIL
D.F.: 1
Units: mg/kg

LEAD 89 %

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

LEAD

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SEP 05 '95 09:21AM ROY F. WESTON, INC. 205 378 3926 ; 5/ 7
SENT BY: 10- 5-95 ; 20:33 ; ROY F. WESTON, INC. → 205 378 3926;# 5/ 7

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 16:41 10/05/95

RFW Batch Number: 9510D042 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	10EXCF 903	10EXCF 904	10EXCF 905	10EXCF 906	10EXCF 906	10EXCF 906	MB1	MB1S
RFW#:	001	002	003	004	004MS	004REP	95DM296	95DM296
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	51	8.7 J	19 J	32 J	56 %	16 J	50 U	89 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 18:15 10/08/95

RFW Batch Number: 9510D046 CLIENT: TSD/AAAP WORK ORDER:03886-080-015-6900 page 1

Sample Information:

Cust ID:	10EXCF 907	10EXCF 908	10EXCF 909	10EXCF 910	10EXCF 910D	10EXCF 911	10EXCF 912	10EXCF 913
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	16 J	29 J	54	400	250	17 J	27 J	35 J

Sample Information:

Cust ID:	10EXCF 914	MB1	MB1S
RFW#:	009	95DM303	95DM303
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	44 J	50 U	93 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SEP 09 '95 09:23AM ROY F. WESTON, INC. 203 378 3926 ; # 3/ 3
SENT BY: 10-22-95 ; 15:27 ; ROY F. WESTON, INC. → 203 378 3926;# 3/ 3

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 14:44 10/22/95

RFW Batch Number: 9510D068 CLIENT: TSD/AAAP WORK ORDER:03886-080-01X-6900 page 1

Sample Information:

Cust ID:	10EXCF 915	10EXCF 916	10EXCF 917	10EXCF 918	10EXCF 919	MB1	MB1S
RFW#:	001	002	003	004	005	95DM325	95DM325
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	23 J	495	37 J	105	24 J	50 U	91 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 18:31 10/30/95

RFW Batch Number: 9510D068 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information: D10-6D2-114

Cust ID:	*10EXCF 916	MB1	MB1S
RFW#:	002	95DM337	95DM337
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	220	50 U	99 %

* Re-analysis of lead.

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:57 11/01/95

RFW Batch Number: 9510D085 CLIENT: TSD/AAAP WORK ORDER: 03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 920	10EXCF 920	MB1	MB1S
RFW#:	001	02	95DM343	95DM343
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	17 J	17 J	50 U	89 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:49 11/05/95

RFW Batch Number: 9511D094 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 921	10EXCF 922	10EXCF 923	10EXCF 924	10EXCF 925	10EXCF 926	10EXCF 927	10EXCF 928
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	27 J	40 J	18 J	18 J	16 J	12 J	13 J	17 J

Sample Information:

Cust ID:	10EXCF 929	MB1	MB1S
RFW#:	009	95DM094	95DM094
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	43 J	50 U	87 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 20:33 11/07/95

RFW Batch Number: 9511D102 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 930	10EXCF 930(D)	10EXCF 931	10EXCF 932	10EXCF 933	10EXCF 934	10EXCF 935	10EXCF 936
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	26 J	23 J	13 J	11 J	24 J	18 J	19 J	13 J

Sample Information:

Cust ID:	10EXCF 937	MB1	MB1S
RFW#:	009	95DM354	95DM354
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	76	50 U	91 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 19:27 11/13/95

RFW Batch Number: 9511D104 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 938	10EXCF 939	MB1	MB1S
RFW#:	001	002	95DM361	95DM361
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	200	85	50 U	92 %

Sample Information:

Cust ID:

RFW#:
Matrix:
D.F.:
Units:

ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
CADMIUM
CHROMIUM
LEAD
NICKEL
SELENIUM
SILVER
THALLIUM

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 20:37 11/17/95

RFW Batch Number: 9511D120 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 940	10EXCF 940(D)	10EXCF 941	10EXCF 942	10EXCF 943	10EXCF 944	10EXCF 945	10EXCF 946
RFW#:	001	002	003	004	005	006	007	008
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	26 J	41 J	14 J	17 J	8.0 J	11 J	63	7.9 J

Sample Information:

Cust ID:	10EXCF 947	MB1	MB1S
RFW#:	009	95DM370	95DM370
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	53	50 U	94 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 15:57 11/21/95

RFW Batch Number: 9511D124 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	21EXCF 948	MB1	MB1S
RFW#:	001	95DM376	95DM376
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	11
Units:	mg/kg	mg/kg	mg/kg
LEAD	7.0 J	50 U	89 %

Sample Information:

Cust ID:			
RFW#:			
Matrix:			
D.F.:			
Units:			
ANTIMONY			
ARSENIC			
BARIUM			
BERYLLIUM			
CADMIUM			
CHROMIUM			
LEAD			
NICKEL			
SELENIUM			
SILVER			
THALLIUM			

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 21:10 11/21/95

RFW Batch Number: 9511D127 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 949	10EXCF 950	10EXCF 951	10EXCF 951(D)	MB1	MB1S
RFW#:	001	002	003	004	95DM379	95DM379
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	38 J	16 J	54	83	50 U	99 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 15:49 11/27/95

RFW Batch Number: 9511D132 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF	10EXCF	10EXCF	10EXCF	10EXCF	MB1	MB1S
	952	953	954	955	956		
RFW#:	001	002	003	004	005	95DM382	95DM382
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1	1	1	1	1	1	1
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LEAD	30 J	21 J	9.1 J	12 J	120	50 U	92 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

SENT BY:

Roy F. Weston, Inc. - Stockton Laboratory

METALS BY ICP 21:37 12/18/95

RFW Batch Number: 9512D136 CLIENT: TSD/AAAP WORK ORDER:03886-080-018-6900 page 1

Sample Information:

Cust ID:	10EXCF 957	MB1	MB1S
RFW#:	001	95DM387	95DM387
Matrix:	SOIL	SOIL	SOIL
D.F.:	1	1	1
Units:	mg/kg	mg/kg	mg/kg
LEAD	14 J	50 U	94 %

U=Analyzed, not detected. J=Present below detection limit. %=Percent recovery. E=Estimated value.
NR=Not required. MB1S=Blank spike. MB1= Blank. I=Interference.
NS=Not spiked. D=Diluted out. MS=Matrix spike. MSD=Matrix spike duplicate. REP=Replicate.

APPENDIX D2
Confirmation Sample Results
Study Area 10
SAIC

Post Excavation Confirmation Data Summary Table: Soil - Study Area 10 - Tetryl Manufacturing Area
Alabama Army Ammunition Plant

Site ID			SB-10-026		SB-10-026		SB-10-026		SB-10-027		SB-10-027		SB-10-027		SB-10-028	
Field Sample Number			SAIC01		SAIC04		SAIC06		SAIC01		SAIC02		SAIC04		SAIC01	
Site Type			BORE		BORE		BORE		BORE		BORE		BORE		BORE	
Collection Date			7/31/95		7/31/95		7/31/95		7/31/95		7/31/95		7/31/95		7/30/95	
Depth (ft)			1.00		15.00		25.00		1.00		5.00		15.00		1.00	
EXPLOSIVES																
Laboratory Id Number																
Parameter	Units	CRL														
2,4-Dinitrotoluene	µg/g	0.310	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560
Cyclotetramethylenetetranitramine	µg/g	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160
METALS																
Laboratory Id Number																
Parameter	Units	CRL														
Aluminum	µg/g	10.700		25000		18000		16000		17000		18000		17000		20000
Arsenic	µg/g	8.000	ND	12.7 T	ND	12.7 T	ND	12.7 T		33.7 Z		26.3 Z		30.9 Z		16.5 Z
Barium	µg/g	4.870		52.8		21.6		19.3		61.3		18.4		68.8		72.5
Beryllium	µg/g	0.250		0.391	LT	0.250		0.432		1.03		0.585		0.490		0.655
Calcium	µg/g	109.000		374		139		451		385	LT	109	LT	109		349
Chromium	µg/g	0.974		24.2 I		23.7		35.6		161 I		151		56.1 I		118 I
Cobalt	µg/g	2.500		9.38	LT	2.50	LT	2.50	LT	2.50		8.72	LT	2.50		5.95
Copper	µg/g	3.380		9.90		10.1 J		17.0 J		11.0		23.1 J		19.6		11.3
Iron	µg/g	12.000		21000		22000		43000		77000		29000		49000		33000
Lead	µg/g	10.000	LT	10.0		14.3		21.5		31.6		14.4		67.1		22.2
Magnesium	µg/g	138.000		1100		531		378		565		308		299		682
Manganese	µg/g	0.510		480		42.4		57.7		1400		340		1200		690
Nickel	µg/g	7.500		11.7	LT	7.50	LT	7.50		13.4	LT	7.50	LT	7.50		11.5
Potassium	µg/g	142.000		838		709		420		468		363		432		629
Sodium	µg/g	50.000	LT	50.0	LT	50.0		66.8		67.3		105	LT	50.0	LT	50.0
Vanadium	µg/g	2.000		48.0		58.5		78.3		108		99.2		89.2		68.3
Zinc	µg/g	4.000		37.3 JR		23.9 I		26.2 I		53.8 JR		35.7 I		33.0 JR		34.0 JR
SEMIVOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Benzoic Acid	µg/g	0.46	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920
TOTAL ORGANIC CARBON																
Laboratory Id Number																
Parameter	Units	CRL														
Total Organic Carbon	µg/g	100		3920	ND	1000	ND	1000		8050	ND	1000	ND	1000		3380
VOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Acetone	µg/g	0.0446	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450	LT	0.0450 (-) L
Methylene Chloride	µg/g	0.00616	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620	LT	0.00620 L
Methylethylketone	µg/g	0.00572	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510	LT	0.00510 L
Toluene	µg/g	0.0025		0.00470 G(-)		0.00180 1G	LT	0.00250		0.00450 G(-)	LT	0.00250	LT	0.00250		0.00860 L

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Soil - Study Area 10 - Tetryl Manufacturing Area (Continued)
Alabama Army Ammunition Plant

Footnotes:
- CRL - Certified reporting limits
- ID - Identification
- N/A - Not applicable
- TICs - Tentatively Identified Compound

Boolean Codes:
- LT - Less than the certified reporting limit
- ND - Not detected

Flagging Codes:
- 1 - Result less than CRL but greater than COD.
- A - Analyte found in trip blank as well as in field samples.
- B - Analyte found in the method blank or QC blank
- C - Analysis was confirmed.
- D - Duplicate analysis.
- G - Analyte found in rinse blank as well as in sample.
- T - Non-target compound analyzed for but not detected (non-GC/MS methods).
- Z - Non-target compound analyzed for and detected (non-GC/MC methods).

Qualifiers:
- I - The low-spike recovery is high.
- J - The low-spike recovery is low.
- L - Missed holding time for samole analysis.
- R - Data is rejected.

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Soil - Study Area 10 - Tetryl Manufacturing Area (Continued)
Alabama Army Ammunition Plant

Site ID			SB-10-028		SB-10-028		SB-10-029		SB-10-029		SB-10-029		SB-10-030		SB-10-030	
Field Sample Number			SAIC04		SAIC06		SAIC01		SAIC04		SAIC06		SAIC01		SAIC02	
Site Type			BORE		BORE		BORE		BORE		BORE		BORE		BORE	
Collection Date			7/30/95		7/30/95		7/30/95		7/30/95		7/30/95		7/29/95		7/29/95	
Depth (ft)			15.00		25.00		1.00		15.00		25.00		1.00		1.00	
EXPLOSIVES																
Laboratory Id Number																
Parameter	Units	CRL														
2,4-Dinitrotoluene	µg/g	0.310	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560 D
Cyclotetramethylenetetranitramine	µg/g	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160	LT	0.160 D
METALS																
Laboratory Id Number																
Parameter	Units	CRL														
Aluminum	µg/g	10.700		250000		11000		14000		9700		9300	LT	540		17000 D
Arsenic	µg/g	8.000	ND	12.7 T	ND	12.7 T	ND	12.7 T	ND	12.7 T	ND	12.7 T		16.5 Z	ND	12.7 TD
Barium	µg/g	4.870		30.1		92.7		72.4		63.2		18.1		28.2		34.0 D
Beryllium	µg/g	0.250		1.34		2.66		0.531		1.11		1.52		0.407		0.409 D
Calcium	µg/g	109.000	LT	109		167		235		240		319	LT	109		187 D
Chromium	µg/g	0.974		22.9		18.0 I		19.0 I		18.5		10.9 I		15.9 I		25.2 D I
Cobalt	µg/g	2.500		4.92		8.67		5.65		24.3	LT	2.50	LT	2.50		4.39 D
Copper	µg/g	3.380		26.9 J		20.1		6.07		23.8 J		23.2		10.2		11.0 D
Iron	µg/g	12.000		N/A		47000		16000		37000		44000		22000		23000 D
Lead	µg/g	10.000		120		22.8	LT	10.0		23.2	LT	10.0	LT	10.0	LT	10.0 D
Magnesium	µg/g	138.000		944		739		446		560		591		553		678 D
Manganese	µg/g	0.510		5800		2100		700		1100		490		104		124 D
Nickel	µg/g	7.500		23.1		47.3	LT	7.50		35.3		23.2	LT	7.50	LT	7.50 D
Potassium	µg/g	142.000		1810		1120		321		827		976		583		689 D
Sodium	µg/g	50.000		98.9	LT	50.0	LT	50.0		79.8	LT	50.0	LT	50.0		61.7 D
Vanadium	µg/g	2.000		67.0		30.9		32.8		40.1		41.5		42.0		44.1 D
Zinc	µg/g	4.000		66.8 I		74.5 JR		20.8 JR		72.7 I		73.5 JR		28.8 JR		31.8 D JR
SEMIVOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Benzoic Acid	µg/g	0.46	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920	LT	0.920 D
TOTAL ORGANIC CARBON																
Laboratory Id Number																
Parameter	Units	CRL														
Total Organic Carbon	µg/g	100	ND	1000	ND	1000		5050	ND	1000	ND	1000		2800		9850 D
VOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Acetone	µg/g	0.0446		0.0350 1		0.0350 1G L		0.0210 1G(L	LT	0.0450 L		0.0570 G L		0.0320 1		0.0210 1D
Methylene Chloride	µg/g	0.00616		0.00990	LT	0.00620 L	LT	0.00620 L	LT	0.00620 L	LT	0.00620 L	LT	0.00620	LT	0.00620 D
Methylethylketone	µg/g	0.00572		0.00200 1B	LT	0.00510 L	LT	0.00510 L	LT	0.00510 L	LT	0.00510 L	LT	0.00510	LT	0.00510 D
Toluene	µg/g	0.0025		0.00220 1	LT	0.00250 L		0.0920 L		0.00180 1G L		0.00300 1G L		0.00590	LT	0.00250 D

Source: SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Soil - Study Area 10 - Tetryl Manufacturing Area (Continued)
Alabama Army Ammunition Plant

Site ID			SB-10-030		SB-10-030		SB-10-045		SB-10-045		SB-10-045		SB-10-045		SS-10-0000	
Field Sample Number			SAIC05		SAIC07		SAIC01		SAIC02		SAIC05		SAIC07		SAIC01	
Site Type			BORE		BORE		BORE		BORE		BORE		BORE		SURF	
Collection Date			7/29/95		7/29/95		7/29/95		7/29/95		7/29/95		7/29/95		6/5/95	
Depth (ft)			15.00		25.00		1.00		1.00		15.00		25.00		0.00	
EXPLOSIVES																
Laboratory Id Number																
Parameter	Units	CRL														
2,4-Dinitrotoluene	µg/g	0.310	LT	0.0560	LT	0.0560	LT	0.0560	LT	0.0560 D	LT	0.0560	LT	0.0560	LT	0.0540
Cyclotetramethylenetetranitramine	µg/g	0.160		0.225 C	LT	0.160	LT	0.160	LT	0.160 D	LT	0.160	LT	0.160	LT	0.160
METALS																
Laboratory Id Number																
Parameter	Units	CRL														
Aluminum	µg/g	10.700		26000		22000		13000		21000 D		5100		14000		12000
Arsenic	µg/g	8.000	ND	12.7 T		23.4 Z	ND	12.7 T	ND	12.7 TD		20.6 Z		25.8 Z	ND	12.7 T
Barium	µg/g	4.870		45.3		132		33.5		41.4 D		12.8		14.9		233
Beryllium	µg/g	0.250		0.600		1.09		0.391		0.393 D		1.58		1.96		0.948
Calcium	µg/g	109.000	LT	109		175	LT	109	LT	109 D	LT	109		265		946
Chromium	µg/g	0.974		17.6		17.3 I		11.7 I		27.1 D I		18.5		17.5 I		26.7 B
Cobalt	µg/g	2.500		10.1		42.6		8.01		10.5 D		6.72		8.12		9.23 J
Copper	µg/g	3.380		23.3 J		22.1		8.34		9.70 D		26.5 J		26.6		5.57 J
Iron	µg/g	12.000		47000		49000		21000		23000 D		54000		47000		24000
Lead	µg/g	10.000		51.3		57.0		12.7		23.0 D	LT	10.0	LT	10.0		21.5
Magnesium	µg/g	138.000		439		536		449		806 D		371		755		262
Manganese	µg/g	0.510		1300		3500		460		500 D		300		300		4100
Nickel	µg/g	7.500		15.0		28.4	LT	7.50	LT	7.50 D		38.8		43.0	LT	7.50 J
Potassium	µg/g	142.000		679		952		381		751 D		575		1330		401
Sodium	µg/g	50.000		93.2	LT	50.0	LT	50.0	LT	50.0 D		91.1	LT	50.0	LT	50.0
Vanadium	µg/g	2.000		81.7		76.0		40.3		45.1 D		60.8		43.8		43.2
Zinc	µg/g	4.000		39.4 I		61.1 JR		25.9 JR		30.3 D JR		92.2 I		122 JR		23.7
SEMIVOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Benzoic Acid	µg/g	0.46	LT	0.920	LT	0.920	LT	0.920	LT	0.920 D	LT	0.920	LT	0.920	LT	0.920
TOTAL ORGANIC CARBON																
Laboratory Id Number																
Parameter	Units	CRL														
Total Organic Carbon	µg/g	100	ND	1000	ND	1000		2380		2140 D	ND	1000	ND	1000		37100
VOLATILES																
Laboratory Id Number																
Parameter	Units	CRL														
Acetone	µg/g	0.0446		0.0370 1		0.0320 1		0.0220 1		0.0270 1D		0.0370 1		0.0410 1	LT	0.0450
Methylene Chloride	µg/g	0.00616	LT	0.00620	LT	0.00620	LT	0.00620		0.00580 1D	LT	0.00620		0.00790 1		0.00540 1BA
Methylethylketone	µg/g	0.00572	LT	0.00510	LT	0.00510	LT	0.00510		0.00190 1BD	LT	0.00510	LT	0.00510	LT	0.00510
Toluene	µg/g	0.0025		0.00330 1		0.00340 1		0.00260 1		0.00550 D		0.00530	LT	0.00250	LT	0.00250

Source. SAIC Supplemental RI Report, April 1999

Post Excavation Confirmation Data Summary Table: Soil - Study Area 10 - Tetryl Manufacturing Area (Continued)
Alabama Army Ammunition Plant

Site ID				SS-10-0020		SS-10-0045		SS-10-0045		SS-10-0050		SS-10-0055
Field Sample Number				SAIC01		SAIC01		SAIC02		SAIC01		SAIC01
Site Type				SURF		SURF		SURF		SURF		SURF
Collection Date				6/5/95		6/5/95		6/5/95		6/6/95		6/6/95
Depth (ft)				0.00		0.00		0.00		0.00		0.00
EXPLOSIVES												
Laboratory Id Number												
Parameter	Units	CRL										
2,4-Dinitrotoluene	µg/g	0.310	LT	0.0540	LT	0.0540		**0.349** DC	LT	0.0540	LT	0.310
Cyclotetramethylenetetranitramine	µg/g	0.160	LT	0.160	LT	0.160	LT	0.160 D	LT	0.160		N/A
METALS												
Laboratory Id Number												
Parameter	Units	CRL										
Aluminum	µg/g	10.700		**13000**		**14000**		N/A		N/A		**15000**
Arsenic	µg/g	8.000		**18.7** Z	ND	12.7 T		N/A		N/A	ND	12.7 T
Barium	µg/g	4.870		**77.9**		**75.9**		N/A		N/A		**83.0**
Beryllium	µg/g	0.250		**0.425**		**0.563**		N/A		N/A		**0.400**
Calcium	µg/g	109.000		**1180**		**1340**		N/A		N/A		**963**
Chromium	µg/g	0.974		**32.5**		**26.1** B		N/A		N/A		**31.5**
Cobalt	µg/g	2.500	LT	2.50		**5.47**	J	N/A		N/A	LT	2.50
Copper	µg/g	3.380		**10.2**		**9.41**	J	N/A		N/A		**10.0**
Iron	µg/g	12.000		**38000**		**32000**		N/A		N/A		**32000**
Lead	µg/g	10.000		**31.6**		**23.9**		N/A		N/A		**37.4**
Magnesium	µg/g	138.000		**383**		**441**		N/A		N/A		**474**
Manganese	µg/g	0.510		**1300**		**870**		N/A		N/A		**1300**
Nickel	µg/g	7.500	LT	7.50	LT	7.50	J	N/A		N/A	LT	7.50
Potassium	µg/g	142.000		**576**		**452**		N/A		N/A		**613**
Sodium	µg/g	50.000	LT	50.0	LT	50.0		N/A		N/A	LT	50.0
Vanadium	µg/g	2.000		**72.0**		**52.7**		N/A		N/A		**69.0**
Zinc	µg/g	4.000		**31.6**		**30.9**		N/A		N/A		**28.6**
SEMIVOLATILES												
Laboratory Id Number												
Parameter	Units	CRL										
Benzoic Acid	µg/g	0.46	LT	0.920	LT	0.920		N/A		N/A		**13.0**
TOTAL ORGANIC CARBON												
Laboratory Id Number												
Parameter	Units	CRL										
Total Organic Carbon	µg/g	100		**29400**		**21000**		**24200** D		N/A		**37300**
VOLATILES												
Laboratory Id Number												
Parameter	Units	CRL										
Acetone	µg/g	0.0446	LT	0.0450	LT	0.0450		N/A		N/A	LT	0.0450
Methylene Chloride	µg/g	0.00616	LT	0.00620		**0.00890** A		N/A		N/A	LT	0.00620
Methylethylketone	µg/g	0.00572	LT	0.00510	LT	0.00510		N/A		N/A	LT	0.00510
Toluene	µg/g	0.0025	LT	0.00250	LT	0.00250 1		N/A		N/A	LT	0.00250

Source: SAIC Supplemental RI Report, April 1999

APPENDIX E
Confirmation Sample Results
ISS

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9603L515 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 03/28/96 14:42

	Cust ID:	10EXCF965	10EXCF965	10EXCF965	10EXCF966	10EXCF967	10EXCF968
Sample Information	RFW#:	001	001 MS	001 MSD	002	003	004
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene		90 %	88 %	89 %	89 %	91 %	88 %
HMX		2200 U	77 %	77 %	2100 U	2200 U	2200 U
RDX		980 U	78 %	78 %	950 U	990 U	1000 U
1,3,5-Trinitrobenzene		250 U	86 %	86 %	240 U	250 U	250 U
1,3-Dinitrobenzene		250 U	90 %	87 %	240 U	250 U	250 U
Nitrobenzene		250 U	90 %	87 %	250 U	260 U	260 U
Tetryl		740 U	80 %	~~154 * %~~ I	710 U	740 U	750 U
Amino-DNTs		490 U	88 %	85 %	480 U	500 U	500 U
2,4,6-Trinitrotoluene		250 U	88 %	84 %	240 U	250 U	250 U
2,6-Dinitrotoluene		250 U	92 %	92 %	250 U	260 U	260 U
2,4-Dinitrotoluene		250 U	99 %	94 %	280	250	260

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

03/29/96

Please note the interference on the write-up.

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9603L515 Client: TSD/AAAP Work Order: 03886080018 Page: 2 Report Date: 03/28/96 14:42

	Cust ID:	10EXCF969		10EXCF970		10EXCF970D		BLK		BLK BS	
Sample Information	RFW#:	005		006		007		96LLC056-MB1		96LLC056-MB1	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00		1.00		1.00		1.00		1.00	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene		91	%	89	%	90	%	92	%	91	%
HMX		2100	U	2200	U	2100	U	2200	U	84	%
RDX		980	U	980	U	980	U	1000	U	83	%
1,3,5-Trinitrobenzene		250	U	250	U	250	U	250	U	92	%
1,3-Dinitrobenzene		240	U	250	U	240	U	250	U	89	%
Nitrobenzene		250	U	250	U	250	U	260	U	88	%
Tetryl		730	U	740	U	730	U	750	U	91	%
Amino-DNTs		490	U	490	U	490	U	500	U	87	%
2,4,6-Trinitrotoluene		250	U	250	U	250	U	250	U	84	%
2,6-Dinitrotoluene		250	U	250	U	250	U	260	U	92	%
2,4-Dinitrotoluene		310		370		380		250	U	90	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

04

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9603L529 Client: TSD/AAAP Report Date: 04/01/96 12:26
Work Order: 03886080018 Page: 1

03

	Cust ID:	10EXCF971	BLK	BLK BS
Sample Information	RFW#:	001	96LLC059-MB1	96LLC059-MB1
	Matrix:	SOIL	SOIL	SOIL
	D.F.:	250	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg

1,2-Dinitrobenzene	D	%	89	%	88	%
HMX	530000	U	2200	U	85	%
RDX	240000	U	1000	U	84	%
1,3,5-Trinitrobenzene	60000	U	250	U	93	%
1,3-Dinitrobenzene	60000	U	250	U	89	%
Nitrobenzene	62000	U	260	U	87	%
Tetryl	2600000		750	U	91	%
Amino-DNTs	120000	U	500	U	89	%
2,4,6-Trinitrotoluene	60000	U	250	U	84	%
2,6-Dinitrotoluene	62000	U	260	U	91	%
2,4-Dinitrotoluene	60000	U	250	U	89	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

4/1/96

Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9603L555 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/01/96 16:57 Page:

	Cust ID:	07EXCF972	07EXCF972	07EXCF972	07EXCF973	07EXCF974	BLK
Sample Information	RFW#:	001	001 MS	001 MSD	002	003	96LLC060-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		93 %	90 %	92 %	83 %	89 %	90 %
		fl	fl	fl	fl	fl	fl
HMX		2200 U	80 %	80 %	2100 U	2100 U	2200 U
RDX		990 U	75 %	74 %	970 U	960 U	1000 U
1,3,5-Trinitrobenzene		250 U	90 %	92 %	240 U	240 U	250 U
1,3-Dinitrobenzene		250 U	87 %	90 %	240 U	240 U	250 U
Nitrobenzene		260 U	87 %	89 %	250 U	250 U	260 U
Tetryl		740 U	89 %	91 %	730 U	720 U	750 U
Amino-DNTs		490 U	90 %	91 %	490 U	480 U	500 U
2,4,6-Trinitrotoluene		250 U	87 %	88 %	240 U	240 U	250 U
2,6-Dinitrotoluene		260 U	90 %	91 %	250 U	250 U	260 U
2,4-Dinitrotoluene		1700	~~72~~ % I	~~51~~ * % I	510	1300	250 U

04/1/96

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

please note on summary page.

03

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9603L555 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/01/96 16:57 Page: 2

Cust ID: BLK BS

Sample Information

RFW#: 96LLC060-MB1
Matrix: SOIL
D.F.: 1.00
Units: ug/Kg

04

Surrogate: 1,2-Dinitrobenzene	90	%
HMX	87	%
RDX	85	%
1,3,5-Trinitrobenzene	94	%
1,3-Dinitrobenzene	90	%
Nitrobenzene	89	%
Tetryl	91	%
Amino-DNTs	90	%
2,4,6-Trinitrotoluene	85	%
2,6-Dinitrotoluene	90	%
2,4-Dinitrotoluene	90	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked. %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

04/1/96

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9603L567 Client: TSD/AAAP Work Order: 03886080018 Report Date: 04/02/96 15:47 Page: 1

	Cust ID:	07EXCF975	BLK	BLK BS
Sample Information	RFW#:	001	96LLC061-MB1	96LLC061-MB1
	Matrix:	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene		81 %	85 %	92 %
HMX		2200 U	2200 U	88 %
RDX		980 U	1000 U	86 %
1,3,5-Trinitrobenzene		250 U	250 U	96 %
1,3-Dinitrobenzene		250 U	250 U	90 %
Nitrobenzene		250 U	260 U	89 %
Tetryl		740 U	750 U	95 %
Amino-DNTs		490 U	500 U	88 %
2,4,6-Trinitrotoluene		250 U	250 U	83 %
2,6-Dinitrotoluene		250 U	260 U	93 %
2,4-Dinitrotoluene		250	250 U	90 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

4/2/96

Roy F. Weston, Inc Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L586 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/04/96 15:35 Page: 1

	Cust ID:	07EXCF976	07EXCF976	07EXCF977	07EXCF978	07EXCF979	BLK
Sample Information	RFW#:	001	001 DL	002	003	004	96LLC063-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	5.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		90 %	72 %	82 %	89 %	89 %	91 %
		fl	fl	fl	fl	fl	fl
HMX		2100 U	11000 U	2100 U	2200 U	2100 U	2200 U
RDX		960 U	4800 U	960 U	1000 U	960 U	1000 U
1,3,5-Trinitrobenzene		240 U	1200 U	240 U	250 U	240 U	250 U
1,3-Dinitrobenzene		240 U	1200 U	240 U	250 U	240 U	250 U
Nitrobenzene		250 U	1200 U	250 U	260 U	250 U	260 U
Tetryl		720 U	3600 U	720 U	750 U	720 U	750 U
Amino-DNTs		480 U	2400 U	480 U	500 U	480 U	500 U
2,4,6-Trinitrotoluene		11000 E	10000	240 U	250 U	2200	250 U
2,6-Dinitrotoluene		250 U	1200 U	250 U	260 U	250 U	260 U
2,4-Dinitrotoluene		290	1200 U	240	370	280	250 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

03

04/04/96

Roy F. Weston, Inc. · Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L586 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/04/96 15:35 Page: 2

Cust ID: BLK BS

Sample Information

RFW#: 96LLC063-MB1
Matrix: SOIL
D.F.: 1.00
Units: ug/Kg

Surrogate: 1,2-Dinitrobenzene	89	%
HMX	83	%
RDX	81	%
1,3,5-Trinitrobenzene	91	%
1,3-Dinitrobenzene	87	%
Nitrobenzene	87	%
Tetryl	92	%
Amino-DNTs	87	%
2,4,6-Trinitrotoluene	82	%
2,6-Dinitrotoluene	88	%
2,4-Dinitrotoluene	86	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L613 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/10/96 09:15 Page: 1

03

	Cust ID:	07EXCF980	07EXCF980	07EXCF980	07EXCF980D	07EXCF981	07EXCF982
Sample Information	RFW#:	001	001 MS	001 MSD	002	003	004
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate:	1,2-Dinitrobenzene	85 %	85 %	85 %	86 %	86 %	84 %
		fl	fl	fl	fl	fl	fl
HMX		2100 U	83 %	81 %	2200 U	2100 U	2200 U
RDX		950 U	75 %	74 %	1000 U	930 U	1000 U
1,3,5-Trinitrobenzene		240 U	94 %	94 %	250 U	240 U	250 U
1,3-Dinitrobenzene		240 U	90 %	90 %	250 U	230 U	250 U
Nitrobenzene		250 U	92 %	90 %	260 U	240 U	260 U
Tetryl		710 U	88 %	82 %	760 U	700 U	760 U
Amino-DNTs		480 U	104 %	100 %	510 U	470 U	510 U
2,4,6-Trinitrotoluene		690	66 %	59 %	290	240 U	250 U
2,6-Dinitrotoluene		250 U	95 %	92 %	260 U	240 U	260 U
2,4-Dinitrotoluene		240 U	92 %	92 %	250 U	230 U	250 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L613 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/10/96 09:15 Page: 2

	Cust ID:	10EXCF983	10EXCF984	07EXCF985	10EXCF986	10EXCF987	10EXCF988
Sample Information	RFW#:	005	006	007	008	009	010
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg

04

Surrogate: 1,2-Dinitrobenzene	87	%	85	%	90	%	86	%	86	%	87	%
==========		fl		fl		fl		fl		fl		fl
HMX	2100	U	2100	U	2000	U	2200	U	2300	U	2300	U
RDX	960	U	970	U	920	U	1000	U	1100	U	1000	U
1,3,5-Trinitrobenzene	240	U	240	U	230	U	260	U	270	U	260	U
1,3-Dinitrobenzene	240	U	240	U	230	U	250	U	260	U	260	U
Nitrobenzene	250	U	250	U	240	U	260	U	280	U	270	U
Tetryl	720	U	730	U	690	U	5400		950		1000	
Amino-DNTs	480	U	490	U	460	U	510	U	530	U	520	U
2,4,6-Trinitrotoluene	240	U	240	U	230	U	260	U	270	U	260	U
2,6-Dinitrotoluene	250	U	250	U	240	U	260	U	280	U	270	U
2,4-Dinitrotoluene	240	U	240	U	230	U	250	U	260	U	260	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L613 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/10/96 09:15 Page: 3

60

	Cust ID:	10EXCF989	BLK	BLK BS
Sample Information	RFW#:	011	96LLC064-MB1	96LLC064-MB1
	Matrix:	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg

Surrogate: 1,2-Dinitrobenzene	89	%	88	%	84	%	
HMX	2100	U	2200	U	88	%	
RDX	980	U	1000	U	87	%	
1,3,5-Trinitrobenzene	250	U	250	U	95	%	
1,3-Dinitrobenzene	240	U	250	U	93	%	
Nitrobenzene	250	U	260	U	90	%	
Tetryl	730	U	750	U	93	%	
Amino-DNTs	490	U	500	U	90	%	
2,4,6-Trinitrotoluene	250	U	250	U	84	%	
2,6-Dinitrotoluene	250	U	260	U	89	%	
2,4-Dinitrotoluene	240	U	250	U	90	%	

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L669 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/10/96 16:16 Page: 03

Cust ID:	07EXCF990	07EXCF990	07EXCF990	07EXCF990D	07EXCF991	07EXCF992
Sample Information RFW#:	001	001 MS	001 MSD	002	003	004
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	87 %	86 %	85 %	86 %	84 %	84 %
HMX	2200 U	62 * %	67 %	2100 U	2000 U	2100 U
RDX	1000 U	59 * %	63 * %	930 U	930 U	980 U
1,3,5-Trinitrobenzene	260 U	77 %	82 %	240 U	230 U	250 U
1,3-Dinitrobenzene	250 U	77 %	82 %	230 U	230 U	240 U
Nitrobenzene	260 U	76 %	84 %	240 U	240 U	250 U
Tetryl	760 U	76 %	80 %	700 U	700 U	730 U
2,4,6-Trinitrotoluene	260 U	77 %	91 %	240 U	230 U	250 U
2,6-Dinitrotoluene	260 U	73 %	94 %	240 U	240 U	250 U
2,4-Dinitrotoluene	250 U	77 %	87 %	230 U	230 U	240 U

Cust ID:	07EXCF993	07EXCF994	07EXCF995	07EXCF996	07EXCF997	07EXCF997
Sample Information RFW#:	005	006	007	008	009	009 DL
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	10.0
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	85 %	89 %	84 %	89 %	90 %	D %
HMX	2100 U	2100 U	2200 U	2000 U	2200 U	22000 U
RDX	950 U	960 U	990 U	910 U	990 U	9900 U
1,3,5-Trinitrobenzene	240 U	240 U	250 U	230 U	250 U	2500 U
1,3-Dinitrobenzene	240 U	240 U	250 U	230 U	250 U	2500 U
Nitrobenzene	250 U	250 U	260 U	240 U	260 U	2600 U
Tetryl	710 U	720 U	740 U	680 U	740 U	7400 U
2,4,6-Trinitrotoluene	240 U	240 U	250 U	230 U	22000 E	22000
2,6-Dinitrotoluene	250 U	250 U	260 U	240 U	260 U	2600 U
2,4-Dinitrotoluene	240 U	240 U	250 U	230 U	250 U	2500 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

4/10/95

Roy F. Weston, Inc. · Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L669 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/10/96 16:16 Page:

Cust ID:	07EXCF998	07EXCF998	07EXCF999	07EXCF999	07EXCF1000	07EXCF1000
Sample Information RFW#:	010	010 DL	011	011 DL	012	012 MS
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	10.0	1.00	50.0	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	92 %	66 %	91 %	D %	89 %	86 %
	fl	fl	fl	fl	fl	fl
HMX	2100 U	21000 U	2000 U	100000 U	2000 U	71 %
RDX	980 U	9800 U	900 U	45000 U	920 U	70 %
1,3,5-Trinitrobenzene	250 U	2500 U	230 U	11000 U	230 U	88 %
1,3-Dinitrobenzene	240 U	2400 U	230 U	11000 U	230 U	85 %
Nitrobenzene	250 U	2500 U	240 U	12000 U	240 U	84 %
Tetryl	730 U	7300 U	680 U	34000 U	690 U	94 %
2,4,6-Trinitrotoluene	18000 E	19000	61000 E	63000	230 U	90 %
2,6-Dinitrotoluene	520	2500 U	240 U	12000 U	240 U	86 %
2,4-Dinitrotoluene	1100	2400 U	280	11000 U	230 U	87 %

Cust ID:	07EXCF1000	07EXCF1000D	07EXCF1001	07EXCF1001	07EXCF1002	07EXCF1003
Sample Information RFW#:	012 MSD	013	014	014 DL	015	016
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	10.0	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	83 %	93 %	92 %	D %	92 %	95 %
	fl	fl	fl	fl	fl	fl
HMX	68 %	2100 U	2000 U	20000 U	2000 U	2000 U
RDX	67 %	970 U	900 U	9000 U	900 U	900 U
1,3,5-Trinitrobenzene	86 %	240 U	230 U	2300 U	230 U	230 U
1,3-Dinitrobenzene	84 %	240 U	230 U	2300 U	230 U	230 U
Nitrobenzene	82 %	250 U	240 U	2400 U	240 U	240 U
Tetryl	92 %	720 U	680 U	6800 U	680 U	680 U
2,4,6-Trinitrotoluene	92 %	240 U	13000 E	13000	230 U	230 U
2,6-Dinitrotoluene	85 %	250 U	240 U	2400 U	240 U	240 U
2,4-Dinitrotoluene	86 %	240 U	230 U	2300 U	230 U	230 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

04/10/96

Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L669 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/10/96 16:16 Page:

Cust ID:	10EXCF1004	10EXCF1005	10EXCF1006	10EXCF1007	10EXCF1008	BLK
Sample Information RFW#:	017	018	019	020	021	96LLC066-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	96 %	97 %	93 %	93 %	91 %	88 %
HMX	2100 U	2000 U	2100 U	2100 U	2000 U	2200 U
RDX	960 U	910 U	950 U	930 U	930 U	1000 U
1,3,5-Trinitrobenzene	240 U	230 U	240 U	240 U	230 U	250 U
1,3-Dinitrobenzene	240 U	230 U	240 U	230 U	230 U	250 U
Nitrobenzene	250 U	240 U	250 U	240 U	240 U	260 U
Tetryl	720 U	680 U	710 U	8600	690 U	750 U
2,4,6-Trinitrotoluene	240 U	230 U	240 U	240 U	230 U	250 U
2,6-Dinitrotoluene	250 U	240 U	250 U	240 U	240 U	260 U
2,4-Dinitrotoluene	240 U	230 U	240 U	230 U	230 U	250 U

Cust ID:	BLK BS	BLK	BLK BS
Sample Information RFW#:	96LLC066-MB1	96LLC067-MB1	96LLC067-MB1
Matrix:	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	88 %	87 %	85 %
HMX	84 %	2200 U	84 %
RDX	82 %	1000 U	82 %
1,3,5-Trinitrobenzene	89 %	250 U	90 %
1,3-Dinitrobenzene	86 %	250 U	86 %
Nitrobenzene	86 %	260 U	87 %
Tetryl	100 %	750 U	96 %
2,4,6-Trinitrotoluene	93 %	250 U	89 %
2,6-Dinitrotoluene	95 %	260 U	85 %
2,4-Dinitrotoluene	88 %	250 U	85 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

4/10/96

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L682 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/15/96 10:58 Page: 1

03

	Cust ID:	06EXCF1009		06EXCF1010		06EXCF1010		06EXCF1010		06EXCF1011		06EXCF1012	
Sample Information	RFW#:	001		002		002 MS		002 MSD		003		004	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Surrogate:	1,2-Dinitrobenzene	79	%	91	%	79	%	81	%	84	%	82	%
			fl		fl		fl		fl		fl		fl
HMX		2200	U	2200	U	75	%	79	%	2100	U	2100	U
RDX		1000	U	980	U	73	%	77	%	930	U	950	U
1,3,5-Trinitrobenzene		250	U	250	U	76	%	79	%	240	U	240	U
1,3-Dinitrobenzene		250	U	250	U	80	%	83	%	230	U	240	U
Nitrobenzene		260	U	250	U	76	%	77	%	240	U	250	U
Tetryl		750	U	740	U	67	%	63	%	700	U	710	U
2,4,6-Trinitrotoluene		250	U	250	U	82	%	86	%	240	U	240	U
2,6-Dinitrotoluene		260	U	250	U	80	%	88	%	240	U	250	U
2,4-Dinitrotoluene		250	U	250	U	82	%	87	%	230	U	240	U

	Cust ID:	06EXCF1013		06EXCF1014		06EXCF1015		06EXCF1016		06EXCF1016		06EXCF1017	
Sample Information	RFW#:	005		006		007		008		008 DL		009	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00		1.00		1.00		1.00		50.0		1.00	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Surrogate:	1,2-Dinitrobenzene	80	%	85	%	77	%	80	%	D	%	81	%
			fl		fl		fl		fl		fl		fl
HMX		2100	U	2200	U	2100	U	2100	U	100000	U	2200	U
RDX		960	U	1000	U	970	U	950	U	48000	U	980	U
1,3,5-Trinitrobenzene		240	U	250	U	240	U	240	U	12000	U	250	U
1,3-Dinitrobenzene		240	U	250	U	240	U	240	U	12000	U	250	U
Nitrobenzene		250	U	260	U	250	U	250	U	12000	U	250	U
Tetryl		720	U	750	U	720	U	710	U	36000	U	740	U
2,4,6-Trinitrotoluene		240	U	250	U	240	U	130000	E	140000		560	
2,6-Dinitrotoluene		250	U	260	U	250	U	250	U	12000	U	250	U
2,4-Dinitrotoluene		240	U	250	U	240	U	240	U	12000	U	250	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

4/15/96

Roy F. Weston, Inc - Lionville Laboratory
Explosives by HPLC / Method 8330 Report Date: 04/15/96 10:58
RFW Batch Number: 9604L682 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Page: 2

Cust ID:	06EXCF1018	07EXCF1019	07EXCF1020	07EXCF1020	07EXCF1020	07EXCF1021
Sample Information RFW#:	010	011	012	012 MS	012 MSD	013
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	82 %	89 %	80 %	78 %	82 %	86 %
HMX	2200 U	2200 U	2000 U	68 %	71 %	2100 U
RDX	990 U	990 U	910 U	64 %	69 %	950 U
1,3,5-Trinitrobenzene	250 U	250 U	230 U	71 %	79 %	240 U
1,3-Dinitrobenzene	250 U	250 U	230 U	76 %	81 %	240 U
Nitrobenzene	260 U	260 U	240 U	75 %	76 %	250 U
Tetryl	740 U	740 U	680 U	58 %	72 %	710 U
2,4,6-Trinitrotoluene	250 U	250 U	230 U	78 %	82 %	240 U
2,6-Dinitrotoluene	260 U	260 U	240 U	75 %	82 %	250 U
2,4-Dinitrotoluene	250 U	250 U	230 U	75 %	80 %	240 U

04

CS 4/15/96

Please note this on [illegible]

Cust ID:	06EXCF1022	06EXCF1023	06EXCF1024	06EXCF1025	06EXCF1026	06EXCF1027
Sample Information RFW#:	014	015	016	017	018	019
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	82 %	82 %	83 %	84 %	83 %	81 %
HMX	2000 U	2100 U	2100 U	2000 U	2100 U	2100 U
RDX	930 U	930 U	950 U	910 U	960 U	950 U
1,3,5-Trinitrobenzene	230 U	240 U	240 U	230 U	240 U	240 U
1,3-Dinitrobenzene	230 U	230 U	240 U	230 U	240 U	240 U
Nitrobenzene	240 U	240 U	250 U	240 U	250 U	250 U
Tetryl	690 U	700 U	710 U	680 U	720 U	710 U
2,4,6-Trinitrotoluene	520	240 U	240 U	230 U	240 U	2600
2,6-Dinitrotoluene	240 U	240 U	250 U	240 U	250 U	270
2,4-Dinitrotoluene	230 U	230 U	240 U	230 U	240 U	220

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. - Lionville Laboratory

Explosives by HPLC / Method 8330

RFW Batch Number: 9604L682 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/15/96 10:58 Page: 50

	Cust ID:	06EXCF1028	06EXCF1028	BLK	BLK BS
Sample Information	RFW#:	020	020 DL	96LLC068-MB1	96LLC068-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	200	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg

Surrogate: 1,2-Dinitrobenzene	82	%	D	%	84	%	85	%
		fl		fl		fl		fl
HMX	2100	U	420000	U	2200	U	86	%
RDX	940	U	190000	U	1000	U	84	%
1,3,5-Trinitrobenzene	240	U	48000	U	250	U	88	%
1,3-Dinitrobenzene	240	U	47000	U	250	U	84	%
Nitrobenzene	250	U	49000	U	260	U	78	%
Tetryl	710	U	140000	U	750	U	95	%
2,4,6-Trinitrotoluene	330000	E	400000		250	U	82	%
2,6-Dinitrotoluene	870		49000	U	260	U	82	%
2,4-Dinitrotoluene	2100		47000	U	250	U	82	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L683 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/15/96 10:20 Page: 1

Cust ID:	10EXCF1029	10EXCF1030	10EXCF1030	10EXCF1030	06EXCF1010D	07EXCF1020D
Sample Information RFW#:	001	002	002 MS	002 MSD	003	004
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	80 %	86 %	80 %	81 %	82 %	80 %
HMX	2100 U	2000 U	70 %	71 %	2200 U	2200 U
RDX	960 U	930 U	75 %	75 %	990 U	980 U
1,3,5-Trinitrobenzene	240 U	230 U	82 %	83 %	250 U	250 U
1,3-Dinitrobenzene	240 U	230 U	81 %	84 %	250 U	250 U
Nitrobenzene	250 U	240 U	75 %	75 %	260 U	250 U
Tetryl	720 U	700 U	84 %	81 %	740 U	740 U
2,4,6-Trinitrotoluene	240 U	230 U	77 %	77 %	250 U	1500000 E
2,6-Dinitrotoluene	250 U	240 U	80 %	82 %	260 U	7400 E
2,4-Dinitrotoluene	240 U	230 U	79 %	82 %	250 U	3200

Cust ID:	07EXCF1020D	07EXCF1020D	10EXCF1030D	BLK	BLK BS
Sample Information RFW#:	004 DL	004 DL	005	96LLC069-MB1	96LLC069-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	10.0	1000	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	D %	D %	82 %	85 %	87 %
HMX	22000 U	2200000 U	2000 U	2200 U	90 %
RDX	9800 U	980000 U	920 U	1000 U	88 %
1,3,5-Trinitrobenzene	2500 U	250000 U	230 U	250 U	93 %
1,3-Dinitrobenzene	2500 U	250000 U	230 U	250 U	88 %
Nitrobenzene	2500 U	250000 U	240 U	260 U	81 %
Tetryl	7400 U	740000 U	690 U	750 U	102 %
2,4,6-Trinitrotoluene	2900000 E	2200000 ~~D~~	230 U	250 U	87 %
2,6-Dinitrotoluene	8400	250000 U	240 U	260 U	87 %
2,4-Dinitrotoluene	3400	250000 U	230 U	250 U	86 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L712 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/15/96 10:37 Page: 1

Cust ID:	06EXCF1031	06EXCF1032	06EXCF1032	06EXCF1032	06EXCF1033	06EXCF1034
Sample Information RFW#:	001	002	002 MS	002 MSD	003	004
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	86 %	83 %	80 %	83 %	82 %	80 %
	fl	fl	fl	fl	fl	fl
HMX	2100 U	2300 U	79 %	80 %	2100 U	2300 U
RDX	930 U	1100 U	75 %	75 %	970 U	1000 U
1,3,5-Trinitrobenzene	330	270 U	101 %	102 %	240 U	260 U
1,3-Dinitrobenzene	230 U	260 U	86 %	88 %	240 U	260 U
Nitrobenzene	240 U	270 U	86 %	87 %	250 U	270 U
Tetryl	700 U	790 U	96 %	98 %	730 U	790 U
2,4,6-Trinitrotoluene	1600	490	94 %	97 %	240 U	260 U
2,6-Dinitrotoluene	240 U	270 U	86 %	88 %	250 U	270 U
2,4-Dinitrotoluene	230 U	260 U	96 %	100 %	240 U	260 U

Cust ID:	06EXCF1035	06EXCF1036	06EXCF1036	06EXCF1037	06EXCF1038	BLK
Sample Information RFW#:	005	006	006 DL	007	008	96LLC075-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	2.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	80 %	83 %	D %	84 %	78 %	87 %
	fl	fl	fl	fl	fl	fl
HMX	2000 U	2100 U	4200 U	2200 U	2000 U	2200 U
RDX	890 U	950 U	1900 U	1000 U	920 U	1000 U
1,3,5-Trinitrobenzene	230 U	240 U	480 U	360	230 U	250 U
1,3-Dinitrobenzene	220 U	240 U	480 U	250 U	230 U	250 U
Nitrobenzene	230 U	250 U	500 U	260 U	240 U	260 U
Tetryl	670 U	710 U	1400 U	750 U	690 U	750 U
2,4,6-Trinitrotoluene	230 U	6700 E	5300	2900	750	250 U
2,6-Dinitrotoluene	230 U	250 U	500 U	260 U	240 U	260 U
2,4-Dinitrotoluene	220 U	240 U	480 U	250 U	230 U	250 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Cust ID: BLK BS

Sample Information

RFW#: 96LLC075-MB1
Matrix: SOIL
D.F.: 1.00
Units: ug/Kg

Surrogate: 1,2-Dinitrobenzene	80	%
HMX	85	%
RDX	83	%
1,3,5-Trinitrobenzene	89	%
1,3-Dinitrobenzene	86	%
Nitrobenzene	90	%
Tetryl	94	%
2,4,6-Trinitrotoluene	88	%
2,6-Dinitrotoluene	87	%
2,4-Dinitrotoluene	87	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L736 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 04/17/96 11:17

Cust ID:	07EXCF1039		07EXCF1040		07EXCF1040		07EXCF1040		07EXCF1041		06EXCF1042	
Sample Information RFW#:	001		002		002 MS		002 MSD		003		004	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	90	%	90	%	86	%	86	%	89	%	93	%
		fl		fl		fl		fl		fl		fl
HMX	2200	U	2200	U	73	%	76	%	2400	U	2200	U
RDX	1000	U	1000	U	68	%	70	%	1100	U	1000	U
1,3,5-Trinitrobenzene	250	U	250	U	76	%	81	%	270	U	250	U
1,3-Dinitrobenzene	250	U	250	U	81	%	83	%	270	U	250	U
Nitrobenzene	260	U	260	U	81	%	84	%	280	U	260	U
Tetryl	750	U	750	U	67	%	71	%	810	U	750	U
2,4,6-Trinitrotoluene	250	U	250	U	89	%	86	%	270	U	1000	
2,6-Dinitrotoluene	260	U	260	U	85	%	85	%	280	U	260	U
2,4-Dinitrotoluene	250	U	250	U	86	%	85	%	270	U	250	U

Cust ID:	06EXCF1043		06EXCF1043		06EXCF1044		06EXCF1045		06EXCF1046		06EXCF1047	
Sample Information RFW#:	005		005 DL		006		007		008		009	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		100		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	88	%	D	%	92	%	92	%	92	%	92	%
		fl		fl		fl		fl		fl		fl
HMX	2200	U	NA		2100	U	2100	U	2200	U	2000	U
RDX	990	U	NA		960	U	940	U	1000	U	910	U
1,3,5-Trinitrobenzene	250	U	NA		240	U	240	U	260	U	230	U
1,3-Dinitrobenzene	250	U	NA		240	U	230	U	250	U	230	U
Nitrobenzene	260	U	NA		250	U	240	U	260	U	240	U
Tetryl	740	U	NA		720	U	700	U	760	U	680	U
2,4,6-Trinitrotoluene		E	130000		240	U	240	U	260	U	230	U
2,6-Dinitrotoluene	260	U	NA		250	U	240	U	260	U	240	U
2,4-Dinitrotoluene	250	U	NA		240	U	230	U	250	U	230	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L736 Client: TSD/AAAP Work Order: 03886080018 Report Date: 04/17/96 11:17 Page: 2

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	Cust ID:	BLK	BLK BS
Sample Information	RFW#:	96LLC076-MB1	96LLC076-MB1
	Matrix:	SOIL	SOIL
	D.F.:	1.00	1.00
	Units:	ug/Kg	ug/Kg
1,2-Dinitrobenzene		88 %	88 %
HMX		2200 U	81 %
RDX		1000 U	78 %
1,3,5-Trinitrobenzene		250 U	88 %
1,3-Dinitrobenzene		250 U	84 %
Nitrobenzene		260 U	82 %
Tetryl		750 U	93 %
2,4,6-Trinitrotoluene		250 U	82 %
2,6-Dinitrotoluene		260 U	85 %
2,4-Dinitrotoluene		250 U	85 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc · Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L759 Client: TSD/AAAP Work Order: 03886080018 Report Date: 04/17/96 13:44 Page: 1

Cust ID:	06EXCF1048	06EXCF1049	06EXCF1050	06EXCF1050	06EXCF1050	06EXCF1050D
Sample Information RFW#:	001	002	003	003 MS	003 MSD	004
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	91 %	94 %	96 %	92 %	93 %	100 %
HMX	2100 U	2100 U	2200 U	84 %	84 %	2100 U
RDX	960 U	940 U	1000 U	79 %	77 %	940 U
1,3,5-Trinitrobenzene	240 U	240 U	260 U	94 %	90 %	240 U
1,3-Dinitrobenzene	240 U	230 U	260 U	90 %	90 %	240 U
Nitrobenzene	250 U	240 U	270 U	81 %	78 %	250 U
Tetryl	720 U	700 U	770 U	98 %	90 %	710 U
2,4,6-Trinitrotoluene	260	240 U	260 U	88 %	82 %	240 U
2,6-Dinitrotoluene	250 U	240 U	270 U	91 %	85 %	250 U
2,4-Dinitrotoluene	240 U	230 U	260 U	94 %	90 %	240 U

Cust ID:	06EXCF1051	06EXCF1051	06EXCF1052	06EXCF1053	06EXCF1054	06EXCF1055
Sample Information RFW#:	005	005 DL	006	007	008	009
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	2.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	91 %	88 %	87 %	105 %	93 %	95 %
HMX	2400 U	NA	2200 U	2100 U	2300 U	2200 U
RDX	1100 U	NA	990 U	960 U	1000 U	1000 U
1,3,5-Trinitrobenzene	4100	NA	250 U	240 U	260 U	260 U
1,3-Dinitrobenzene	270 U	NA	250 U	240 U	260 U	260 U
Nitrobenzene	280 U	NA	260 U	250 U	270 U	270 U
Tetryl	800 U	NA	740 U	720 U	780 U	770 U
2,4,6-Trinitrotoluene	E	6200	250 U	240 U	260 U	260 U
2,6-Dinitrotoluene	340	NA	260 U	250 U	270 U	270 U
2,4-Dinitrotoluene	1000	NA	250 U	240 U	260 U	260 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L759 Client: TSD/AAAP Work Order: 03886080018 Page: 2 Report Date: 04/17/96 13:44

Cust ID:	06EXCF1056	10EXCF1057	BLK	BLK BS
Sample Information RFW#:	010	011	96LLC077-MB1	96LLC077-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	95 %	93 %	93 %	90 %
HMX	2100 U	2100 U	2200 U	86 %
RDX	940 U	970 U	1000 U	85 %
1,3,5-Trinitrobenzene	240 U	240 U	250 U	93 %
1,3-Dinitrobenzene	230 U	240 U	250 U	87 %
Nitrobenzene	240 U	250 U	260 U	81 %
Tetryl	700 U	730 U	750 U	99 %
2,4,6-Trinitrotoluene	240 U	240 U	250 U	86 %
2,6-Dinitrotoluene	240 U	250 U	260 U	87 %
2,4-Dinitrotoluene	230 U	240 U	250 U	86 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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Roy F. Weston, Inc. Lionville Laboratory

Explosives by HPLC / Method 8330

Report Date: 04/23/96 17:22

RFW Batch Number: 9604L776 Client: TSD/AAAP Work Order: 03886080018 Page: 1

	Cust ID:	06EXCF1058		10EXCF1059		10EXCF1060		10EXCF1060		10EXCF1060		10EXCF1060D	
Sample Information	RFW#:	001		002		003		003 MS		003 MSD		004	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene		80	%	84	%	84	%	84	%	85	%	86	%
			fl		fl		fl		fl		fl		fl
HMX		2100	U	2100	U	2100	U	73	%	71	%	2100	U
RDX		960	U	970	U	970	U	72	%	70	%	930	U
1,3,5-Trinitrobenzene		240	U	240	U	240	U	76	%	72	%	240	U
1,3-Dinitrobenzene		240	U	240	U	240	U	80	%	86	%	230	U
Nitrobenzene		250	U	250	U	250	U	79	%	76	%	240	U
Tetryl		720	U	720	U	730	U	68	%	61	%	700	U
2,4,6-Trinitrotoluene		1100		240	U	240	U	78	%	78	%	240	U
2,6-Dinitrotoluene		250	U	250	U	250	U	80	%	81	%	240	U
2,4-Dinitrotoluene		350		240	U	240	U	80	%	78	%	230	U

	Cust ID:	10EXCF1061		10EXCF1062		10EXCF1063		10EXCF1064		06EXCF1065		06EXCF1065	
Sample Information	RFW#:	005		006		007		008		009		009 DL	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00		1.00		1.00		1.00		1.00		500	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene		83	%	87	%	84	%	86	%	89	%	D	%
			fl		fl		fl		fl		fl		fl
HMX		2100	U	2000	U	2200	U	2100	U	2000	U	NA	
RDX		970	U	930	U	990	U	970	U	920	U	NA	
1,3,5-Trinitrobenzene		240	U	230	U	250	U	240	U	230	U	NA	
1,3-Dinitrobenzene		240	U	230	U	250	U	240	U	230	U	NA	
Nitrobenzene		250	U	240	U	260	U	250	U	240	U	NA	
Tetryl		720	U	690	U	740	U	720	U	690	U	NA	
2,4,6-Trinitrotoluene		240	U	230	U	250	U	240	U		E	1400000	
2,6-Dinitrotoluene		250	U	240	U	260	U	250	U	2500		NA	
2,4-Dinitrotoluene		240	U	230	U	250	U	240	U	2500		NA	

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L776 Client: TSD/AAAP Work Order: 03886080018 Page: 2 Report Date: 04/23/96 17:22

Cust ID:	06EXCF1066	06EXCF1066	06EXCF1067	06EXCF1067	06EXCF1068	06EXCF1068
Sample Information RFW#:	010	010 DL	011	011 DL	012	012 DL
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	50.0	1.00	2.00	1.00	5.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	86 %	D %	85 %	95 %	84 %	83 %
HMX	2100 U	NA	2200 U	NA	2200 U	NA
RDX	970 U	NA	1000 U	NA	980 U	NA
1,3,5-Trinitrobenzene	240 U	NA	250 U	NA	400	NA
1,3-Dinitrobenzene	240 U	NA	250 U	NA	250 U	NA
Nitrobenzene	250 U	NA	260 U	NA	250 U	NA
Tetryl	720 U	NA	750 U	NA	740 U	NA
2,4,6-Trinitrotoluene	E	190000	E	7700	E	15000
2,6-Dinitrotoluene	300	NA	260 U	NA	250 U	NA
2,4-Dinitrotoluene	350	NA	250 U	NA	990	NA

Cust ID:	06EXCF1069	07EXCF1070	07EXCF1070	07EXCF1070	07EXCF1070	07EXCF1070
Sample Information RFW#:	013	014	014 DL	014 MS	014 MS	014 MSD
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	2.00	1.00	2.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	87 %	89 %	92 %	88 %	89 %	78 %
HMX	2000 U	2200 U	NA	69 %	72 %	59 %
RDX	910 U	990 U	NA	69 %	70 %	59 %
1,3,5-Trinitrobenzene	230 U	250 U	NA	92 %	92 %	79 %
1,3-Dinitrobenzene	230 U	250 U	NA	79 %	79 %	71 %
Nitrobenzene	240 U	260 U	NA	75 %	79 %	77 %
Tetryl	680 U	740 U	NA	91 %	89 %	90 %
2,4,6-Trinitrotoluene	230 U	E	7500	I %	I %	I %
2,6-Dinitrotoluene	240 U	260 U	NA	85 %	82 %	83 %
2,4-Dinitrotoluene	230 U	250 U	NA	85 %	84 %	80 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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Roy F. Weston, Inc. Lionville Laboratory

Explosives by HPLC / Method 8330

Report Date: 04/23/96 17:22

RFW Batch Number: 9604L776 Client: TSD/AAAP Work Order: 03886080018 Page: 3

Cust ID:	07EXCF1070	07EXCF1070D	07EXCF1070D	BLK	BLK BS
Sample Information RFW#:	014 MSD	015	015 DL	96LLC078-MB1	96LLC078-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2.00	1.00	10.0	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	91 %	88 %	D %	86 %	84 %
HMX	72 %	2000 U	NA	2200 U	75 %
RDX	71 %	930 U	NA	1000 U	73 %
1,3,5-Trinitrobenzene	91 %	230 U	NA	250 U	80 %
1,3-Dinitrobenzene	84 %	230 U	NA	250 U	77 %
Nitrobenzene	85 %	240 U	NA	260 U	78 %
Tetryl	98 %	690 U	NA	750 U	83 %
2,4,6-Trinitrotoluene	I %	E	46000	250 U	77 %
2,6-Dinitrotoluene	90 %	240 U	NA	260 U	79 %
2,4-Dinitrotoluene	87 %	230 U	NA	250 U	78 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc. · Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L816 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 04/23/96 16:29

Cust ID:	06EXCF1080		06EXCF1080		06EXCF1080		06EXCF1080		06EXCF1080D		06EXCF1080D	
Sample Information RFW#:	001		001 DL		001 MS		001 MSD		002		002 DL	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		10.0		1.00		1.00		1.00		50.0	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	84	%	D	%	87	%	83	%	80	%	D	%
HMX	2400	U	NA		81	%	75	%	2300	U	NA	
RDX	1100	U	NA		76	%	70	%	1000	U	NA	
1,3,5-Trinitrobenzene	1200		NA		104	%	93	%	930		NA	
1,3-Dinitrobenzene	420		NA		102	%	94	%	320		NA	
Nitrobenzene	280	U	NA		76	%	73	%	270	U	NA	
Tetryl	820	U	NA		94	%	86	%	790	U	NA	
2,4,6-Trinitrotoluene		E	15000		I	%	I	%		E	76000	
2,6-Dinitrotoluene	280	U	NA		105*	%	98	%	270	U	NA	
2,4-Dinitrotoluene		E	6400		I	%	I	%	4300		NA	

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Cust ID:	06EXCF1081		06EXCF1082		06EXCF1083		06EXCF1083		06EXCF1084		06EXCF1085	
Sample Information RFW#:	003		004		005		005 DL		006		007	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	2.00		1.00		1.00		50.0		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	84	%	77	%	74	%	D	%	76	%	84	%
HMX	4600	U	1900	U	2000	U	NA		1900	U	2200	U
RDX	2100	U	880	U	890	U	NA		860	U	990	U
1,3,5-Trinitrobenzene	530	U	220	U	220	U	NA		220	U	430	
1,3-Dinitrobenzene	520	U	220	U	220	U	NA		210	U	250	U
Nitrobenzene	540	U	230	U	230	U	NA		220	U	260	U
Tetryl	1600	U	660	U	670	U	NA		640	U	740	U
2,4,6-Trinitrotoluene	5200		2500			E	67000		1500			E
2,6-Dinitrotoluene	540	U	230	U	230	U	NA		220	U	260	U
2,4-Dinitrotoluene	520	U	230		220	U	NA		210	U	250	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

4/22/96

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L816 Client: TSD/AAAP Work Order: 03886080018 Page: 2 Report Date: 04/23/96 16:29

	Cust ID:	06EXCF1085	10EXCF1086	10EXCF1086	06EXCF1071	10EXCF1072	07EXCF1073
Sample Information	RFW#:	007 DL	008	008 DL	009	010	011
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	100	1.00	100	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene		D %	88 %	D %	84 %	83 %	77 %
HMX		NA	2200 U	NA	2100 U	2100 U	2000 U
RDX		NA	1000 U	NA	930 U	960 U	900 U
1,3,5-Trinitrobenzene		NA	260 U	NA	240 U	240 U	230 U
1,3-Dinitrobenzene		NA	250 U	NA	230 U	240 U	230 U
Nitrobenzene		NA	260 U	NA	240 U	250 U	230 U
Tetryl		NA	E	560000	700 U	720 U	680 U
2,4,6-Trinitrotoluene		140000	260 U	NA	240 U	240 U	230 U
2,6-Dinitrotoluene		NA	260 U	NA	240 U	250 U	230 U
2,4-Dinitrotoluene		NA	250 U	NA	230 U	240 U	230 U

	Cust ID:	07EXCF1074	07EXCF1075	10EXCF1076	10EXCF1077	10EXCF1078	10EXCF1079
Sample Information	RFW#:	012	013	014	015	016	017
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene		80 %	77 %	70 %	71 %	80 %	79 %
HMX		1900 U	2200 U	2200 U	2200 U	2100 U	1900 U
RDX		880 U	1000 U	1000 U	990 U	970 U	880 U
1,3,5-Trinitrobenzene		220 U	250 U	250 U	250 U	240 U	220 U
1,3-Dinitrobenzene		220 U	250 U	250 U	250 U	240 U	220 U
Nitrobenzene		230 U	260 U	260 U	260 U	250 U	230 U
Tetryl		660 U	760 U	750 U	740 U	720 U	660 U
2,4,6-Trinitrotoluene		220 U	250 U	250 U	250 U	240 U	220 U
2,6-Dinitrotoluene		230 U	260 U	260 U	260 U	250 U	230 U
2,4-Dinitrotoluene		220 U	250 U	250 U	250 U	240 U	220 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, In Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L816 Client: TSD/AAAP Work Order: 03886080018 Report Date: 04/23/96 16:29 Page: 3

	Cust ID:	BLK	BLK BS
Sample Information	RFW#:	96LLC082-MB1	96LLC082-MB1
	Matrix:	SOIL	SOIL
	D.F.:	1.00	1.00
	Units:	ug/Kg	ug/Kg
1,2-Dinitrobenzene		87 %	72 %
HMX		2200 U	80 %
RDX		1000 U	78 %
1,3,5-Trinitrobenzene		250 U	83 %
1,3-Dinitrobenzene		250 U	78 %
Nitrobenzene		260 U	79 %
Tetryl		750 U	90 %
2,4,6-Trinitrotoluene		250 U	78 %
2,6-Dinitrotoluene		260 U	82 %
2,4-Dinitrotoluene		250 U	78 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L817 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 04/23/96 18:13

Cust ID:	06EXCF1087		06EXCF1088		06EXCF1089		06EXCF1089		07EXCF1090		07EXCF1090	
Sample Information RFW#:	001		002		003		003 DL		004		004 MS	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		20.0		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	79	%	74	%	85	%	D	%	68	%	77	%
		fl		fl		fl		fl		fl		fl
HMX	2100	U	2400	U	1900	U	NA		2300	U	79	%
RDX	970	U	1100	U	850	U	NA		1000	U	84	%
1,3,5-Trinitrobenzene	240	U	270	U	210	U	NA		260	U	96	%
1,3-Dinitrobenzene	240	U	270	U	210	U	NA		260	U	93	%
Nitrobenzene	250	U	280	U	220	U	NA		270	U	92	%
Tetryl	720	U	810	U	640	U	NA		790	U	96	%
2,4,6-Trinitrotoluene	240	U	270	U		E	23000		260	U	87	%
2,6-Dinitrotoluene	250	U	280	U	3800		NA		270	U	100	%
2,4-Dinitrotoluene	240	U	270	U	640		NA		260	U	92	%

Cust ID:	07EXCF1090		06EXCF1091		07EXCF1090D		BLK		BLK BS	
Sample Information RFW#:	004 MSD		005		006		96LLC083-MB1		96LLC083-MB1	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	72	%	81	%	70	%	81	%	78	%
		fl		fl		fl		fl		fl
HMX	65	%	2200	U	2300	U	2200	U	85	%
RDX	71	%	1000	U	1000	U	1000	U	83	%
1,3,5-Trinitrobenzene	80	%	260	U	260	U	250	U	86	%
1,3-Dinitrobenzene	77	%	250	U	260	U	250	U	83	%
Nitrobenzene	85	%	260	U	270	U	260	U	79	%
Tetryl	76	%	760	U	770	U	750	U	87	%
2,4,6-Trinitrotoluene	73	%	260	U	260	U	250	U	78	%
2,6-Dinitrotoluene	75	%	260	U	270	U	260	U	85	%
2,4-Dinitrotoluene	69	%	540		260	U	250	U	81	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L838 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/24/96 10:57 Page: 1

Cust ID:	07EXCF1092	10EXCF1093	10EXCF1094	10EXCF1095	10EXCF1096	10EXCF1097
Sample Information RFW#:	001	002	003	004	005	006
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	79 %	82 %	82 %	87 %	83 %	84 %
HMX	2100 U	2000 U	2000 U	2100 U	2200 U	2200 U
RDX	980 U	930 U	930 U	960 U	990 U	990 U
1,3,5-Trinitrobenzene	250 U	230 U	230 U	240 U	250 U	250 U
1,3-Dinitrobenzene	240 U	230 U	230 U	240 U	250 U	250 U
Nitrobenzene	250 U	240 U	240 U	250 U	260 U	260 U
Tetryl	730 U	1400	690 U	720 U	740 U	740 U
2,4,6-Trinitrotoluene	1000	230 U	230 U	240 U	250 U	250 U
2,6-Dinitrotoluene	120	240 U	240 U	250 U	260 U	260 U
2,4-Dinitrotoluene	220	230 U	230 U	240 U	250 U	250 U

Cust ID:	BLK	BLK BS
Sample Information RFW#:	96LLC084-MB1	96LLC084-MB1
Matrix:	SOIL	SOIL
D.F.:	1.00	1.00
Units:	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	82 %	80 %
HMX	2200 U	90 %
RDX	1000 U	87 %
1,3,5-Trinitrobenzene	250 U	94 %
1,3-Dinitrobenzene	250 U	89 %
Nitrobenzene	260 U	85 %
Tetryl	750 U	100 %
2,4,6-Trinitrotoluene	250 U	87 %
2,6-Dinitrotoluene	260 U	91 %
2,4-Dinitrotoluene	250 U	90 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

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04/24/96

Roy F. Weston, In Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L863 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/25/96 11:29 Page: 1

	Cust ID:	06EXCF1098	07EXCF1099	07EXCF1100	07EXCF1100	07EXCF1100	07EXCF1101
Sample Information	RFW#:	001	002	003	003 MS	003 MSD	004
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		88 %	86 %	87 %	81 %	85 %	86 %
HMX		2100 U	2100 U	2200 U	81 %	84 %	2200 U
RDX		970 U	960 U	980 U	80 %	80 %	990 U
1,3,5-Trinitrobenzene		240 U	240 U	250 U	90 %	95 %	250 U
1,3-Dinitrobenzene		240 U	240 U	250 U	86 %	92 %	250 U
Nitrobenzene		250 U	250 U	250 U	87 %	91 %	260 U
Tetryl		720 U	720 U	740 U	95 %	99 %	740 U
2,4,6-Trinitrotoluene		3300	240 U	250 U	102 %	114 %	3000
2,6-Dinitrotoluene		250 U	250 U	250 U	94 %	106 %	260 U
2,4-Dinitrotoluene		240 U	240 U	280	94 %	112 %	250 U

	Cust ID:	10EXCF1102	10EXCF1103	10EXCF1104	10EXCF1105	10EXCF1106	10EXCF1107
Sample Information	RFW#:	005	006	007	008	009	010
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		88 %	83 %	90 %	84 %	80 %	79 %
HMX		2200 U	2200 U	2100 U	2100 U	2100 U	2100 U
RDX		990 U	990 U	980 U	970 U	960 U	970 U
1,3,5-Trinitrobenzene		250 U	250 U	250 U	240 U	240 U	240 U
1,3-Dinitrobenzene		250 U	250 U	240 U	240 U	240 U	240 U
Nitrobenzene		260 U	260 U	250 U	250 U	250 U	250 U
Tetryl		740 U	740 U	730 U	720 U	720 U	730 U
2,4,6-Trinitrotoluene		250 U	250 U	250 U	240 U	240 U	240 U
2,6-Dinitrotoluene		260 U	440	420	260	330	250 U
2,4-Dinitrotoluene		250 U	250 U	380	240 U	240 U	240 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, In Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L863 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 04/25/96 11:29 Page:

Cust ID:	10EXCF1108	10EXCF1109	10EXCF1110	10EXCF1110	10EXCF1110	10EXCF1111
Sample Information RFW#:	011	012	013	013 MS	013 MSD	014
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	83 %	81 %	82 %	77 %	82 %	82 %
	fl	fl	fl	fl	fl	fl
HMX	2100 U	2100 U	2100 U	76 %	82 %	2100 U
RDX	950 U	980 U	970 U	74 %	82 %	970 U
1,3,5-Trinitrobenzene	240 U	250 U	240 U	87 %	93 %	240 U
1,3-Dinitrobenzene	240 U	240 U	240 U	82 %	90 %	240 U
Nitrobenzene	250 U	250 U	250 U	84 %	88 %	250 U
Tetryl	710 U	730 U	730 U	110 %	112 %	4200
2,4,6-Trinitrotoluene	240 U	250 U	240 U	85 %	88 %	240 U
2,6-Dinitrotoluene	250 U	340	250 U	85 %	94 %	250 U
2,4-Dinitrotoluene	240 U	1000	240 U	84 %	92 %	240 U

Cust ID:	10EXCF1112	09EXCF1100D	10EXCF1110D	BLK	BLK BS
Sample Information RFW#:	015	016	017	96LLC085-MB1	96LLC085-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	80 %	80 %	80 %	83 %	81 %
	fl	fl	fl	fl	fl
HMX	2100 U	2100 U	2100 U	2200 U	88 %
RDX	970 U	950 U	960 U	1000 U	85 %
1,3,5-Trinitrobenzene	240 U	240 U	240 U	250 U	94 %
1,3-Dinitrobenzene	240 U	240 U	240 U	250 U	89 %
Nitrobenzene	250 U	250 U	250 U	260 U	87 %
Tetryl	720 U	710 U	720 U	750 U	96 %
2,4,6-Trinitrotoluene	240 U	240 U	240 U	250 U	87 %
2,6-Dinitrotoluene	250 U	250 U	250 U	260 U	91 %
2,4-Dinitrotoluene	240 U	260	240 U	250 U	90 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

04/24/96

Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L898 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 04/29/96 16:37

Cust ID:	10EXCF1113		10EXCF1114		10EXCF1115		07EXCF1116		07EXCF1117		07EXCF1118	
Sample Information RFW#:	001		002		003		004		005		006	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	83	%	82	%	85	%	85	%	87	%	83	%
		fl		fl		fl		fl		fl		fl
HMX	2100	U	2200	U	2100	U	2100	U	2000	U	2300	U
RDX	960	U	990	U	930	U	930	U	920	U	1000	U
1,3,5-Trinitrobenzene	240	U	250	U	240	U	240	U	230	U	260	U
1,3-Dinitrobenzene	240	U	250	U	230	U	230	U	230	U	260	U
Nitrobenzene	250	U	260	U	240	U	240	U	240	U	270	U
Tetryl	720	U	740	U	700	U	700	U	690	U	770	U
2,4,6-Trinitrotoluene	240	U	250	U	240	U	390		230	U	260	U
2,6-Dinitrotoluene	250	U	260	U	240	U	240	U	240	U	270	U
2,4-Dinitrotoluene	240	U	250	U	230	U	990		460		520	

Cust ID:	06EXCF1119		06EXCF1120		06EXCF1120		06EXCF1120		06EXCF1121		06EXCF1120D	
Sample Information RFW#:	007		008		008 MS		008 MSD		009		010	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	83	%	83	%	83	%	84	%	90	%	86	%
		fl		fl		fl		fl		fl		fl
HMX	2100	U	2000	U	73	%	80	%	2100	U	2100	U
RDX	960	U	930	U	70	%	75	%	960	U	950	U
1,3,5-Trinitrobenzene	240	U	230	U	83	%	92	%	240	U	240	U
1,3-Dinitrobenzene	240	U	230	U	79	%	84	%	240	U	240	U
Nitrobenzene	250	U	240	U	76	%	79	%	250	U	250	U
Tetryl	720	U	700	U	81	%	88	%	720	U	710	U
2,4,6-Trinitrotoluene	240	U	230	U	78	%	82	%	240	U	240	U
2,6-Dinitrotoluene	250	U	240	U	78	%	88	%	250	U	250	U
2,4-Dinitrotoluene	240	U	230	U	84	%	83	%	240	U	240	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L898 Client: TSD/AAAP Work Order: 03886080018 Report Date: 04/29/96 16:37 Page: 2

	Cust ID:	BLK	BLK BS
Sample Information	RFW#:	96LLC090-MB1	96LLC090-MB1
	Matrix:	SOIL	SOIL
	D.F.:	1.00	1.00
	Units:	ug/Kg	ug/Kg
1,2-Dinitrobenzene		88 %	86 %
HMX		2200 U	87 %
RDX		1000 U	85 %
1,3,5-Trinitrobenzene		250 U	92 %
1,3-Dinitrobenzene		250 U	88 %
Nitrobenzene		260 U	87 %
Tetryl		750 U	94 %
2,4,6-Trinitrotoluene		250 U	86 %
2,6-Dinitrotoluene		260 U	89 %
2,4-Dinitrotoluene		250 U	87 %

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Roy F. Weston, I - Lionville Laboratory
Explosives . HPLC / Method 8330 Report Date: 04/. ,96 17:10

RFW Batch Number: 9604L909 Client: TSD/AAAP Work Order: 03886080018 Page: 1

	Cust ID:	06EXCF1122	06EXCF1123	06EXCF1124	06EXCF1125	07EXCF1126	BLK
Sample Information	RFW#:	001	002	003	004	005	96LLC091-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene		84 %	83 %	84 %	86 %	87 %	87 %
HMX		2100 U	1900 U	1800 U	1900 U	2000 U	2200 U
RDX		960 U	880 U	840 U	880 U	920 U	1000 U
1,3,5-Trinitrobenzene		240 U	220 U	210 U	220 U	230 U	250 U
1,3-Dinitrobenzene		240 U	220 U	210 U	220 U	230 U	250 U
Nitrobenzene		250 U	230 U	220 U	230 U	240 U	260 U
Tetryl		720 U	660 U	630 U	660 U	690 U	750 U
2,4,6-Trinitrotoluene		240 U	220 U	210 U	220 U	230 U	250 U
2,6-Dinitrotoluene		250 U	230 U	220 U	230 U	240 U	260 U
2,4-Dinitrotoluene		240 U	220 U	210 U	220 U	230 U	250 U

	Cust ID:	BLK BS
Sample Information	RFW#:	96LLC091-MB1
	Matrix:	SOIL
	D.F.:	1.00
	Units:	ug/Kg
1,2-Dinitrobenzene		80 %
HMX		89 %
RDX		87 %
1,3,5-Trinitrobenzene		94 %
1,3-Dinitrobenzene		90 %
Nitrobenzene		88 %
Tetryl		94 %
2,4,6-Trinitrotoluene		86 %
2,6-Dinitrotoluene		93 %
2,4-Dinitrotoluene		90 %

04/29/96

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Roy F. Weston, Inc. · Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L944 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/01/96 17:56

Cust ID:	06EXCF1127		07EXCF1128		06EXCF1129		07EXCF1130		07EXCF1130		07EXCF1130	
Sample Information RFW#:	001		002		003		004		004 DL		004 DL	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		10.0		100	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	88	%	87	%	92	%	81	%	D	%	D	%
HMX	2100	U	2200	U	2100	U	2100	U	NA		NA	
RDX	980	U	1000	U	940	U	970	U	NA		NA	
1,3,5-Trinitrobenzene	250	U	250	U	240	U	240	U	NA		NA	
1,3-Dinitrobenzene	240	U	250	U	230	U	240	U	NA		NA	
Nitrobenzene	250	U	260	U	240	U	250	U	NA		NA	
Tetryl	730	U	750	U	700	U	730	U	NA		NA	
2,4,6-Trinitrotoluene	250	U	250	U	240	U		E		E	440000	
2,6-Dinitrotoluene	250	U	260	U	240	U	2200		NA		NA	
2,4-Dinitrotoluene	250		250	U	490			E	14000		NA	

Cust ID:	07EXCF1130		07EXCF1130		07EXCF1131		07EXCF1131		07EXCF1131		07EXCF1132	
Sample Information RFW#:	004 MS		004 MSD		005		005 DL		005 DL		006	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		50.0		500		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	81	%	91	%	89	%	D	%	D	%	89	%
HMX	90	%	88	%	2100	U	NA		NA		2000	U
RDX	93	%	92	%	960	U	NA		NA		910	U
1,3,5-Trinitrobenzene	109	%	98	%	240		NA		NA		350	
1,3-Dinitrobenzene	96	%	95	%	410		NA		NA		230	U
Nitrobenzene	81	%	85	%	250	U	NA		NA		240	U
Tetryl	101	%	96	%	720	U	NA		NA		680	U
2,4,6-Trinitrotoluene	I	%	I	%		E	6600		NA			E
2,6-Dinitrotoluene	I	%	I	%		E		E	1300000		3400	
2,4-Dinitrotoluene	I	%	I	%		E		E	1100000			E

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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05/11/96

Roy F. Weston, Inc Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L944 Client: TSD/AAAP Work Order: 03886080018 Page: 2 Report Date: 05/01/96 17:56

Cust ID:	07EXCF1132	07EXCF1132	07EXCF1130D	07EXCF1130D	BLK	BLK BS
Sample Information RFW#:	006 DL	006 DL	007	007 DL	96LLC097-MB1	96LLC097-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	50.0	500	1.00	5.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	D % fl	D % fl	91 % fl	76 % fl	95 % fl	88 % fl
HMX	NA	NA	2200 U	NA	2200 U	87 %
RDX	NA	NA	1000 U	NA	1000 U	86 %
1,3,5-Trinitrobenzene	NA	NA	250 U	NA	250 U	94 %
1,3-Dinitrobenzene	NA	NA	250 U	NA	250 U	89 %
Nitrobenzene	NA	NA	260 U	NA	260 U	87 %
Tetryl	NA	NA	750 U	NA	750 U	76 %
2,4,6-Trinitrotoluene	E	960000	E	14000	250 U	86 %
2,6-Dinitrotoluene	NA	NA	1500	NA	260 U	90 %
2,4-Dinitrotoluene	11000	NA	2400	NA	250 U	87 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

04

Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L987 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/03/96 17:23

Cust ID:	06EXCF1133	06EXCF1133	06EXCF1134	07EXCF1135	07EXCF1136	07EXCF1137
Sample Information RFW#:	001	001 DL	002	003	004	005
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	5.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	102 %	D %	96 %	102 %	99 %	96 %
HMX	2100 U	NA	2200 U	2200 U	2100 U	2100 U
RDX	930 U	NA	1000 U	1000 U	970 U	960 U
1,3,5-Trinitrobenzene	240 U	NA	250 U	250 U	240 U	240 U
1,3-Dinitrobenzene	230 U	NA	250 U	250 U	240 U	240 U
Nitrobenzene	240 U	NA	260 U	260 U	250 U	250 U
Tetryl	700 U	NA	750 U	750 U	730 U	720 U
2,4,6-Trinitrotoluene	E	11000	250 U	250 U	240 U	480
2,6-Dinitrotoluene	240 U	NA	260 U	490	250 U	250 U
2,4-Dinitrotoluene	230 U	NA	250 U	250 U	240 U	240 U

Cust ID:	07EXCF1138	07EXCF1139	07EXCF1140	07EXCF1140	07EXCF1140	07EXCF1141
Sample Information RFW#:	006	007	008	008 MS	008 MSD	009
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	100 %	100 %	97 %	97 %	100 %	95 %
HMX	2000 U	2100 U	2100 U	82 %	89 %	2100 U
RDX	930 U	930 U	940 U	70 %	77 %	950 U
1,3,5-Trinitrobenzene	230 U	240 U	240 U	104 %	109 %	240 U
1,3-Dinitrobenzene	230 U	230 U	230 U	95 %	100 %	240 U
Nitrobenzene	240 U	240 U	240 U	92 %	92 %	250 U
Tetryl	690 U	700 U	700 U	106 %	113 %	710 U
2,4,6-Trinitrotoluene	230 U	240 U	2400	I %	I %	240 U
2,6-Dinitrotoluene	240 U	240 U	240 U	I %	I %	250 U
2,4-Dinitrotoluene	230 U	230 U	3200	I %	I %	240 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L987 Client: TSD/AAAP Work Order: 03886080018 Page: 2 Report Date: 05/03/96 17:23

Cust ID:	07EXCF1142		07EXCF1143		07EXCF1144		07EXCF1145		06EXCF1146		10EXCF1147	
Sample Information RFW#:	010		011		012		013		014		015	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	100	%	100	%	100	%	102	%	101	%	100	%
		fl		fl		fl		fl		fl		fl
HMX	1900	U	2100	U	2100	U	2100	U	2000	U	2000	U
RDX	880	U	970	U	930	U	980	U	910	U	900	U
1,3,5-Trinitrobenzene	220	U	240	U	240	U	250	U	230	U	230	U
1,3-Dinitrobenzene	220	U	240	U	230	U	240	U	230	U	230	U
Nitrobenzene	230	U	250	U	240	U	250	U	240	U	230	U
Tetryl	660	U	720	U	700	U	730	U	680	U	680	U
2,4,6-Trinitrotoluene	420		240	U	240	U	3800		230	U	230	U
2,6-Dinitrotoluene	230	U	250	U	240	U	250	U	240	U	230	U
2,4-Dinitrotoluene	300		240	U	230	U	240	U	230	U	230	U

Cust ID:	10EXCF1148		10EXCF1149		10EXCF1150		10EXCF1150		10EXCF1150		10EXCF1150	
Sample Information RFW#:	016		017		018		018 DL		018 MS		018 MSD	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		5.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	101	%	99	%	93	%	D	%	92	%	93	%
		fl		fl		fl		fl		fl		fl
HMX	2000	U	2100	U	2200	U	NA		75	%	80	%
RDX	900	U	960	U	990	U	NA		74	%	79	%
1,3,5-Trinitrobenzene	230	U	240	U	250	U	NA		87	%	91	%
1,3-Dinitrobenzene	230	U	240	U	250	U	NA		86	%	89	%
Nitrobenzene	230	U	250	U	260	U	NA		82	%	84	%
Tetryl	680	U	720	U		E	17000		I	%	I	%
2,4,6-Trinitrotoluene	230	U	520		250	U	NA		88	%	97	%
2,6-Dinitrotoluene	230	U	250	U	260	U	NA		87	%	92	%
2,4-Dinitrotoluene	230	U	240	U	250	U	NA		90	%	94	%

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Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L987 Client: TSD/AAAP Work Order: 03886080018 Page: 3 Report Date: 05/03/96 17:23

Cust ID:	10EXCF1151	10EXCF1152	07EXCF1140D	10EXCF1150D	BLK	BLK BS
Sample Information RFW#:	019	020	021	022	96LLC111-MB1	96LLC111-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	91 %	97 %	95 %	91 %	98 %	100 %
HMX	1800 U	2200 U	2200 U	2100 U	2200 U	94 %
RDX	840 U	1000 U	1000 U	960 U	1000 U	93 %
1,3,5-Trinitrobenzene	210 U	250 U	250 U	240 U	250 U	102 %
1,3-Dinitrobenzene	210 U	250 U	250 U	240 U	250 U	98 %
Nitrobenzene	220 U	260 U	260 U	250 U	260 U	94 %
Tetryl	630 U	750 U	750 U	720 U	750 U	115 %
2,4,6-Trinitrotoluene	210 U	250 U	3800	240 U	250 U	95 %
2,6-Dinitrotoluene	220 U	260 U	260 U	250 U	260 U	98 %
2,4-Dinitrotoluene	210 U	250 U	2100	240 U	250 U	98 %

Cust ID:	BLK	BLK BS
Sample Information RFW#:	96LLC112-MB1	96LLC112-MB1
Matrix:	SOIL	SOIL
D.F.:	1.00	1.00
Units:	ug/Kg	ug/Kg
1,2-Dinitrobenzene	100 %	98 %
HMX	2200 U	92 %
RDX	1000 U	91 %
1,3,5-Trinitrobenzene	250 U	97 %
1,3-Dinitrobenzene	250 U	92 %
Nitrobenzene	260 U	81 %
Tetryl	750 U	108 %
2,4,6-Trinitrotoluene	250 U	89 %
2,6-Dinitrotoluene	260 U	93 %
2,4-Dinitrotoluene	250 U	92 %

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Roy F. Weston, I - Lionville Laboratory

Explosives by HPLC / Method 8330

RFW Batch Number: 9604L996 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/04/96 12:04 Page:

	Cust ID:	06EXCF1153	06EXCF1154	06EXCF1155	06EXCF1156	06EXCF1157	06EXCF1158
Sample Information	RFW#:	001	002	003	004	005	006
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		100 %	97 %	99 %	95 %	96 %	99 %
HMX		2100 U	2100 U	2200 U	2200 U	2100 U	2000 U
RDX		970 U	940 U	990 U	990 U	970 U	920 U
1,3,5-Trinitrobenzene		240 U	240 U	250 U	250 U	240 U	230 U
1,3-Dinitrobenzene		240 U	240 U	250 U	250 U	240 U	230 U
Nitrobenzene		250 U	250 U	260 U	260 U	250 U	240 U
Tetryl		730 U	710 U	740 U	740 U	730 U	690 U
2,4,6-Trinitrotoluene		240 U	240 U	1100	250 U	240 U	230 U
2,6-Dinitrotoluene		250 U	250 U	260 U	260 U	250 U	240 U
2,4-Dinitrotoluene		240 U	240 U	250 U	250 U	240 U	230 U

	Cust ID:	10EXCF1159	10EXCF1160	10EXCF1160	10EXCF1160	10EXCF1160D	06EXCF1161
Sample Information	RFW#:	007	008	008 MS	008 MSD	009	010
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		99 %	95 %	101 %	95 %	98 %	98 %
HMX		1900 U	1800 U	79 %	71 %	2100 U	2100 U
RDX		850 U	830 U	88 %	84 %	970 U	980 U
1,3,5-Trinitrobenzene		220 U	210 U	101 %	97 %	240 U	250 U
1,3-Dinitrobenzene		210 U	210 U	100 %	97 %	240 U	240 U
Nitrobenzene		220 U	220 U	90 %	87 %	250 U	250 U
Tetryl		640 U	620 U	119 %	113 %	720 U	730 U
2,4,6-Trinitrotoluene		220 U	210 U	98 %	91 %	240 U	4700
2,6-Dinitrotoluene		220 U	220 U	102 %	96 %	250 U	250 U
2,4-Dinitrotoluene		210 U	210 U	100 %	94 %	240 U	240 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked. %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9604L996 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/04/96 12:04 Page: 40

	Cust ID:	BLK	BLK BS
Sample Information	RFW#:	96LLC111-MB1	96LLC111-MB1
	Matrix:	SOIL	SOIL
	D.F.:	1.00	1.00
	Units:	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		98 %	100 %
HMX		2200 U	94 %
RDX		1000 U	93 %
1,3,5-Trinitrobenzene		250 U	102 %
1,3-Dinitrobenzene		250 U	98 %
Nitrobenzene		260 U	94 %
Tetryl		750 U	115 %
2,4,6-Trinitrotoluene		250 U	95 %
2,6-Dinitrotoluene		260 U	98 %
2,4-Dinitrotoluene		250 U	98 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L012 Client: TSD/AAAP Work Order: 03886080018 Report Date: 05/06/96 14:54 Page: 1

Cust ID:	06EXCF1162	06EXCF1162	06EXCF1163	10EXCF1164	06EXCF1165	06EXCF1166
Sample Information RFW#:	001	001 DL	002	003	004	005
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	2.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	102 %	108 %	98 %	107 %	97 %	98 %
	fl	fl	fl	fl	fl	fl
HMX	2200 U	NA	2200 U	2200 U	2200 U	2000 U
RDX	1000 U	NA	990 U	990 U	990 U	910 U
1,3,5-Trinitrobenzene	250 U	NA	250 U	250 U	250 U	230 U
1,3-Dinitrobenzene	250 U	NA	250 U	250 U	250 U	230 U
Nitrobenzene	260 U	NA	260 U	260 U	260 U	240 U
Tetryl	750 U	NA	740 U	6700	740 U	680 U
2,4,6-Trinitrotoluene	E	7400	470	250 U	530	450
2,6-Dinitrotoluene	260 U	NA	260 U	260 U	260 U	240 U
2,4-Dinitrotoluene	250 U	NA	250 U	250 U	250 U	230 U

Cust ID:	06EXCF1167	06EXCF1168	06EXCF1168	07EXCF1169	06EXCF1170	06EXCF1170
Sample Information RFW#:	006	007	007 DL	008	009	009 MS
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	20.0	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	95 %	98 %	D %	98 %	100 %	99 %
	fl	fl	fl	fl	fl	fl
HMX	2100 U	2000 U	NA	2000 U	2000 U	89 %
RDX	950 U	910 U	NA	920 U	930 U	85 %
1,3,5-Trinitrobenzene	240 U	230 U	NA	230 U	230 U	101 %
1,3-Dinitrobenzene	240 U	230 U	NA	230 U	230 U	97 %
Nitrobenzene	250 U	240 U	NA	240 U	240 U	86 %
Tetryl	710 U	680 U	NA	690 U	690 U	115 %
2,4,6-Trinitrotoluene	270	E	57000	230 U	230 U	98 %
2,6-Dinitrotoluene	250 U	240 U	NA	240 U	240 U	109 %
2,4-Dinitrotoluene	240 U	230 U	NA	230 U	230 U	103 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L012 Client: TSD/AAAP Work Order: 03886080018 Page: 2 Report Date: 05/06/96 14:54

	Cust ID:	06EXCF1170		06EXCF1170D		06EXCF1171		06EXCF1171		BLK		BLK BS	
Sample Information	RFW#:	009 MSD		010		011		011 DL		96LLC116-MB1		96LLC116-MB1	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	D.F.:	1.00		1.00		1.00		10.0		1.00		1.00	
	Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene		96	%	121	%	97	%	D	%	99	%	99	%
			fl		fl		fl		fl		fl		fl
HMX		85	%	2000	U	2200	U	NA		2200	U	94	%
RDX		81	%	890	U	990	U	NA		1000	U	92	%
1,3,5-Trinitrobenzene		97	%	230	U	250	U	NA		250	U	98	%
1,3-Dinitrobenzene		92	%	220	U	250	U	NA		250	U	96	%
Nitrobenzene		86	%	230	U	260	U	NA		260	U	93	%
Tetryl		108	%	670	U	740	U	NA		750	U	109	%
2,4,6-Trinitrotoluene		93	%	660			E	19000		250	U	92	%
2,6-Dinitrotoluene		98	%	230	U	260	U	NA		260	U	102	%
2,4-Dinitrotoluene		98	%	220	U	580		NA		250	U	95	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L026 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/06/96 15:42

Cust ID:	06EXCF1172	07EXCF1173	07EXCF1174	07EXCF1175	07EXCF1175	BLK
Sample Information RFW#:	001	002	003	004	004 DL	96LLC117-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	250	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	95 %	96 %	98 %	95 %	D %	96 %
HMX	2100 U	2100 U	1900 U	2000 U	NA	2200 U
RDX	960 U	940 U	880 U	890 U	NA	1000 U
1,3,5-Trinitrobenzene	240 U	240 U	220 U	220 U	NA	250 U
1,3-Dinitrobenzene	240 U	230 U	220 U	220 U	NA	250 U
Nitrobenzene	250 U	240 U	230 U	230 U	NA	260 U
Tetryl	720 U	700 U	660 U	670 U	NA	750 U
2,4,6-Trinitrotoluene	240 U	240 U	220 U	430	NA	250 U
2,6-Dinitrotoluene	250 U	240 U	230 U	E	1000000	260 U
2,4-Dinitrotoluene	240 U	230 U	420	E	170000	250 U

Cust ID:	BLK BS
Sample Information RFW#:	96LLC117-MB1
Matrix:	SOIL
D.F.:	1.00
Units:	ug/Kg
1,2-Dinitrobenzene	93 %
HMX	86 %
RDX	84 %
1,3,5-Trinitrobenzene	94 %
1,3-Dinitrobenzene	92 %
Nitrobenzene	89 %
Tetryl	98 %
2,4,6-Trinitrotoluene	90 %
2,6-Dinitrotoluene	95 %
2,4-Dinitrotoluene	94 %

05/06/96

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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Roy F. Weston, Inc - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L050 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/06/96 16:38 Page:

	Cust ID:	06EXCF1176	06EXCF1177	06EXCF1178	06EXCF1179	10EXCF1180	10EXCF1180D
Sample Information	RFW#:	001	002	003	004	005	006
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		97 %	92 %	90 %	98 %	95 %	100 %
HMX		2100 U	2200 U	2000 U	2000 U	2100 U	2000 U
RDX		950 U	980 U	900 U	920 U	940 U	910 U
1,3,5-Trinitrobenzene		240 U	250 U	230 U	230 U	240 U	230 U
1,3-Dinitrobenzene		240 U	250 U	230 U	230 U	230 U	230 U
Nitrobenzene		250 U	250 U	230 U	240 U	240 U	240 U
Tetryl		710 U	740 U	680 U	690 U	900	5000
2,4,6-Trinitrotoluene		240 U	960	250	230 U	240 U	230 U
2,6-Dinitrotoluene		250 U	250 U	230 U	240 U	240 U	240 U
2,4-Dinitrotoluene		240 U	250 U	230 U	230 U	230 U	230 U

	Cust ID:	10EXCF1181	10EXCF1182	10EXCF1183	10EXCF1184	10EXCF1185	10EXCF1186
Sample Information	RFW#:	007	008	009	010	011	012
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		94 %	93 %	97 %	87 %	92 %	91 %
HMX		2100 U	1900 U	2100 U	2000 U	1800 U	2000 U
RDX		940 U	880 U	930 U	930 U	840 U	930 U
1,3,5-Trinitrobenzene		240 U	220 U	240 U	230 U	210 U	230 U
1,3-Dinitrobenzene		230 U	220 U	230 U	230 U	210 U	230 U
Nitrobenzene		240 U	230 U	240 U	240 U	220 U	240 U
Tetryl		700 U	660 U	700 U	700 U	630 U	700 U
2,4,6-Trinitrotoluene		240 U	220 U	240 U	230 U	210 U	230 U
2,6-Dinitrotoluene		240 U	230 U	240 U	240 U	220 U	240 U
2,4-Dinitrotoluene		230 U	220 U	230 U	230 U	210 U	230 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

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MR 5/7/96

Roy F. Weston, Inc. · Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L050 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/06/96 16:38 Page:

	Cust ID:	BLK	BLK BS
Sample Information	RFW#:	96LLC119-MB1	96LLC119-MB1
	Matrix:	SOIL	SOIL
	D.F.:	1.00	1.00
	Units:	ug/Kg	ug/Kg

Surrogate: 1,2-Dinitrobenzene	99 %	96 %
HMX	2200 U	109 %
RDX	1000 U	108 %
1,3,5-Trinitrobenzene	250 U	114 * %
1,3-Dinitrobenzene	250 U	111 * %
Nitrobenzene	260 U	110 %
Tetryl	750 U	122 * %
2,4,6-Trinitrotoluene	250 U	109 %
2,6-Dinitrotoluene	260 U	116 * %
2,4-Dinitrotoluene	250 U	113 * %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

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Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L075 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/07/96 16:09 Page: 03

	Cust ID:	10EXCF1187	10EXCF1188	10EXCF1189	10EXCF1190	10EXCF1190D	10EXCF1191
Sample Information	RFW#:	001	002	003	004	005	006
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		96 %	96 %	98 %	98 %	98 %	98 %
HMX		1800 U	2200 U	1800 U	1900 U	1900 U	1800 U
RDX		820 U	980 U	800 U	870 U	860 U	820 U
1,3,5-Trinitrobenzene		210 U	250 U	200 U	220 U	220 U	210 U
1,3-Dinitrobenzene		200 U	250 U	200 U	220 U	210 U	200 U
Nitrobenzene		210 U	250 U	210 U	230 U	220 U	210 U
Tetryl		610 U	740 U	600 U	660 U	640 U	610 U
2,4,6-Trinitrotoluene		210 U	250 U	200 U	220 U	220 U	210 U
2,6-Dinitrotoluene		210 U	250 U	210 U	230 U	220 U	210 U
2,4-Dinitrotoluene		200 U	250 U	200 U	220 U	210 U	200 U

	Cust ID:	10EXCF1192	BLK	BLK BS
Sample Information	RFW#:	007	96LLC122-MB1	96LLC122-MB1
	Matrix:	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		96 %	100 %	96 %
HMX		1700 U	2200 U	86 %
RDX		780 U	1000 U	85 %
1,3,5-Trinitrobenzene		200 U	250 U	97 %
1,3-Dinitrobenzene		190 U	250 U	92 %
Nitrobenzene		200 U	260 U	92 %
Tetryl		580 U	750 U	112 %
2,4,6-Trinitrotoluene		200 U	250 U	96 %
2,6-Dinitrotoluene		200 U	260 U	98 %
2,4-Dinitrotoluene		190 U	250 U	95 %

5/7/96

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L086 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/09/96 16:22 Page:

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Cust ID:	10EXCF1193	10EXCF1193	10EXCF1193	10EXCF1194	10EXCF1195	10EXCF1196
Sample Information RFW#:	001	001 MS	001 MSD	002	003	004
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	98 %	98 %	99 %	100 %	98 %	97 %
HMX	2200 U	82 %	84 %	1700 U	2000 U	1700 U
RDX	980 U	82 %	83 %	790 U	930 U	780 U
1,3,5-Trinitrobenzene	250 U	98 %	98 %	200 U	230 U	200 U
1,3-Dinitrobenzene	250 U	94 %	95 %	200 U	230 U	190 U
Nitrobenzene	250 U	89 %	89 %	210 U	240 U	200 U
Tetryl	740 U	106 %	111 %	600 U	690 U	580 U
2,4,6-Trinitrotoluene	250 U	96 %	96 %	200 U	230 U	200 U
2,6-Dinitrotoluene	250 U	98 %	100 %	210 U	240 U	200 U
2,4-Dinitrotoluene	250 U	95 %	95 %	200 U	230 U	190 U

Cust ID:	10EXCF1197	10EXCF1198	10EXCF1199	10EXCF1200	10EXCF1200D	07EXCF1201
Sample Information RFW#:	005	006	007	008	009	010
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	99 %	93 %	96 %	98 %	99 %	94 %
HMX	2000 U	1600 U	1600 U	1900 U	1900 U	1900 U
RDX	930 U	710 U	730 U	880 U	870 U	870 U
1,3,5-Trinitrobenzene	230 U	180 U	180 U	220 U	220 U	220 U
1,3-Dinitrobenzene	230 U	180 U	180 U	220 U	220 U	220 U
Nitrobenzene	240 U	190 U	190 U	230 U	230 U	230 U
Tetryl	700 U	530 U	550 U	660 U	650 U	660 U
2,4,6-Trinitrotoluene	230 U	180 U	180 U	220 U	220 U	220 U
2,6-Dinitrotoluene	240 U	190 U	190 U	230 U	230 U	230 U
2,4-Dinitrotoluene	230 U	180 U	180 U	220 U	220 U	220 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L086 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/09/96 16:22 Page: 50

Cust ID:	10EXCF1202	10EXCF1203	10EXCF1204	10EXCF1205	10EXCF1206	10EXCF1207
Sample Information RFW#:	011	012	013	014	015	016
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	100 %	93 %	96 %	95 %	93 %	94 %
	fl	fl	fl	fl	fl	fl
HMX	1900 U	1700 U	1900 U	1600 U	1700 U	2000 U
RDX	860 U	790 U	860 U	730 U	780 U	900 U
1,3,5-Trinitrobenzene	220 U	200 U	220 U	180 U	200 U	230 U
1,3-Dinitrobenzene	220 U	200 U	220 U	180 U	200 U	230 U
Nitrobenzene	220 U	200 U	220 U	190 U	200 U	240 U
Tetryl	650 U	590 U	650 U	550 U	590 U	680 U
2,4,6-Trinitrotoluene	220 U	200 U	220 U	180 U	200 U	230 U
2,6-Dinitrotoluene	220 U	200 U	220 U	190 U	200 U	240 U
2,4-Dinitrotoluene	220 U	200 U	220 U	180 U	200 U	230 U

Cust ID:	10EXCF1208	10EXCF1209	10EXCF1210	10EXCF1210D	10EXCF1211	10EXCF1211
Sample Information RFW#:	017	018	019	020	021	021 MS
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	91 %	94 %	98 %	96 %	94 %	93 %
	fl	fl	fl	fl	fl	fl
HMX	1600 U	1900 U	2200 U	2000 U	1700 U	72 %
RDX	720 U	880 U	1000 U	900 U	770 U	74 %
1,3,5-Trinitrobenzene	180 U	220 U	250 U	230 U	190 U	96 %
1,3-Dinitrobenzene	180 U	220 U	250 U	230 U	190 U	91 %
Nitrobenzene	190 U	230 U	260 U	240 U	200 U	91 %
Tetryl	540 U	660 U	750 U	680 U	580 U	111 %
2,4,6-Trinitrotoluene	180 U	220 U	250 U	230 U	190 U	91 %
2,6-Dinitrotoluene	190 U	230 U	260 U	240 U	200 U	98 %
2,4-Dinitrotoluene	180 U	220 U	250 U	230 U	190 U	90 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, In. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L086 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/09/96 16:22 Page: 90

Cust ID:	10EXCF1211	10EXCF1213	10EXCF1214	10EXCF1215	10EXCF1216	10EXCF1217
Sample Information RFW#:	021 MSD	022	023	024	025	026
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	98 %	94 %	91 %	101 %	95 %	100 %
HMX	78 %	1800 U	1800 U	1700 U	1800 U	1600 U
RDX	81 %	810 U	830 U	760 U	840 U	750 U
1,3,5-Trinitrobenzene	102 %	200 U	210 U	190 U	210 U	190 U
1,3-Dinitrobenzene	96 %	200 U	210 U	190 U	210 U	190 U
Nitrobenzene	94 %	210 U	220 U	200 U	220 U	190 U
Tetryl	117 %	610 U	620 U	570 U	630 U	560 U
2,4,6-Trinitrotoluene	94 %	200 U	210 U	190 U	210 U	190 U
2,6-Dinitrotoluene	102 %	210 U	220 U	200 U	220 U	190 U
2,4-Dinitrotoluene	98 %	200 U	210 U	190 U	210 U	190 U

Cust ID:	10EXCF1218	10EXCF1219	10EXCF1220	10EXCF1220D	10EXCF1221	BLK
Sample Information RFW#:	027	028	029	030	031	96LLC123-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene	94 %	96 %	97 %	93 %	91 %	95 %
HMX	1600 U	1700 U	2000 U	1900 U	1600 U	2200 U
RDX	710 U	790 U	910 U	860 U	720 U	1000 U
1,3,5-Trinitrobenzene	180 U	200 U	230 U	220 U	180 U	250 U
1,3-Dinitrobenzene	180 U	200 U	230 U	220 U	180 U	250 U
Nitrobenzene	190 U	200 U	240 U	220 U	190 U	260 U
Tetryl	540 U	590 U	680 U	650 U	540 U	750 U
2,4,6-Trinitrotoluene	180 U	200 U	230 U	220 U	180 U	250 U
2,6-Dinitrotoluene	190 U	200 U	240 U	220 U	190 U	260 U
2,4-Dinitrotoluene	180 U	200 U	230 U	220 U	180 U	250 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L086 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/09/96 16:22 Page:

	Cust ID:	BLK BS	BLK	BLK BS
Sample Information	RFW#:	96LLC123-MB1	96LLC124-MB1	96LLC124-MB1
	Matrix:	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		98 %	95 %	94 %
HMX		96 %	2200 U	91 %
RDX		94 %	1000 U	88 %
1,3,5-Trinitrobenzene		106 %	250 U	102 %
1,3-Dinitrobenzene		101 %	250 U	95 %
Nitrobenzene		96 %	260 U	95 %
Tetryl		115 %	750 U	110 %
2,4,6-Trinitrotoluene		99 %	250 U	98 %
2,6-Dinitrotoluene		105 * %	260 U	99 %
2,4-Dinitrotoluene		102 %	250 U	96 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

5/9/96

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L096 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/09/96 16:05 Page: 03

	Cust ID:	10EXCF1212	10EXCF1222	10EXCF1223	10EXCF1224	10EXCF1225	BLK
Sample Information	RFW#:	001	002	003	004	005	96LLC125-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		99 %	98 %	95 %	97 %	95 %	95 %
HMX		2000 U	2100 U	2100 U	1900 U	2000 U	2200 U
RDX		900 U	950 U	950 U	880 U	930 U	1000 U
1,3,5-Trinitrobenzene		230 U	240 U	240 U	220 U	230 U	250 U
1,3-Dinitrobenzene		230 U	240 U	240 U	220 U	230 U	250 U
Nitrobenzene		230 U	250 U	250 U	230 U	240 U	260 U
Tetryl		680 U	710 U	710 U	660 U	700 U	750 U
2,4,6-Trinitrotoluene		230 U	240 U	240 U	220 U	230 U	250 U
2,6-Dinitrotoluene		230 U	250 U	250 U	230 U	240 U	260 U
2,4-Dinitrotoluene		230 U	240 U	240 U	220 U	230 U	250 U

	Cust ID:	BLK BS
Sample Information	RFW#:	96LLC125-MB1
	Matrix:	SOIL
	D.F.:	1.00
	Units:	ug/Kg
Surrogate: 1,2-Dinitrobenzene		97 %
HMX		89 %
RDX		86 %
1,3,5-Trinitrobenzene		100 %
1,3-Dinitrobenzene		94 %
Nitrobenzene		92 %
Tetryl		106 %
2,4,6-Trinitrotoluene		94 %
2,6-Dinitrotoluene		96 %
2,4-Dinitrotoluene		95 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

5/9/96

Roy F. Weston, Inc - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L112 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/13/96 09:12

	Cust ID:	07EXCF1226	07EXCF1226	07EXCF1226	07EXCF1226	07EXCF1227	BLK
Sample Information	RFW#:	001	001 DL	001 MS	001 MSD	002	96LLC127-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	5.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene		97 %	102 %	94 %	95 %	94 %	94 %
HMX		1900 U	NA	86 %	85 %	2000 U	2200 U
RDX		870 U	NA	81 %	81 %	900 U	1000 U
1,3,5-Trinitrobenzene		220 U	NA	106 %	103 %	230 U	250 U
1,3-Dinitrobenzene		220 U	NA	95 %	96 %	220 U	250 U
Nitrobenzene		230 U	NA	92 %	93 %	230 U	260 U
Tetryl		660 U	NA	109 %	114 %	670 U	750 U
2,4,6-Trinitrotoluene		6500 E	6600	I %	I %	710	250 U
2,6-Dinitrotoluene		580 LE 7/#47 5/13/96	NA	I %	I %	230 U	260 U
2,4-Dinitrotoluene		2600	NA	I %	I %	610	250 U

	Cust ID:	BLK BS
Sample Information	RFW#:	96LLC127-MB1
	Matrix:	SOIL
	D.F.:	1.00
	Units:	ug/Kg
1,2-Dinitrobenzene		94 %
HMX		91 %
RDX		88 %
1,3,5-Trinitrobenzene		102 %
1,3-Dinitrobenzene		98 %
Nitrobenzene		96 %
Tetryl		116 %
2,4,6-Trinitrotoluene		102 %
2,6-Dinitrotoluene		104 %
2,4-Dinitrotoluene		99 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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Roy F. Weston, Inc - Lionville Laboratory

Explosives by HPLC / Method 8330

RFW Batch Number: 9605L125 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/11/96 11:52 Page: 1

Sample Information	Cust ID:	10EXCF1228	10EXCF1228	10EXCF1228	BLK	BLK BS
	RFW#:	001	001 MS	001 MSD	96LLC128-MB1	96LLC128-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		94 %	92 %	94 %	99 %	94 %
HMX		1700 U	66 %	71 %	2200 U	84 %
RDX		750 U	71 %	74 %	1000 U	83 %
1,3,5-Trinitrobenzene		190 U	91 %	94 %	250 U	94 %
1,3-Dinitrobenzene		190 U	88 %	88 %	250 U	90 %
Nitrobenzene		200 U	85 %	87 %	260 U	89 %
Tetryl		570 U	100 %	106 %	750 U	101 %
2,4,6-Trinitrotoluene		190 U	90 %	93 %	250 U	91 %
2,6-Dinitrotoluene		200 U	95 %	92 %	260 U	95 %
2,4-Dinitrotoluene		190 U	90 %	91 %	250 U	92 %

13KC

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L175 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/13/96 16:11 Page: 1

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	Cust ID:	07EXCF1229	BLK	BLK BS
Sample Information	RFW#:	001	96LLC130-MB1	96LLC130-MB1
	Matrix:	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg

Surrogate: 1,2-Dinitrobenzene	99	%	92	%	97	%
HMX	2000	U	2200	U	93	%
RDX	930	U	1000	U	91	%
1,3,5-Trinitrobenzene	230	U	250	U	98	%
1,3-Dinitrobenzene	230	U	250	U	97	%
Nitrobenzene	240	U	260	U	96	%
Tetryl	700	U	750	U	71	%
2,4,6-Trinitrotoluene	3000		250	U	96	%
2,6-Dinitrotoluene	1500		260	U	102	%
2,4-Dinitrotoluene	2100		250	U	98	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

5/13/96

Roy F. Weston, Inc. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L200 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/17/96 13:40

Cust ID:	07EXCF1230		07EXCF1230		07EXCF1230		07EXCF1230		07EXCF1230D		07EXCF1230D	
Sample Information RFW#:	001		001 DL		001 MS		001 MSD		002		002 DL	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		250		1.00		1.00		1.00		250	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	98	%	D	%	95	%	96	%	97	%	D	%
HMX	2100	U	NA		80	%	74	%	2100	U	NA	
RDX	950	U	NA		77	%	70	%	940	U	NA	
1,3,5-Trinitrobenzene	240	U	NA		108	%	106	%	240	U	NA	
1,3-Dinitrobenzene	240	U	NA		100	%	96	%	230	U	NA	
Nitrobenzene	250	U	NA		96	%	93	%	240	U	NA	
Tetryl	710	U	NA		108	%	104	%	700	U	NA	
2,4,6-Trinitrotoluene	1900		NA		I	%	I	%	2600		NA	
2,6-Dinitrotoluene		E	670000		I	%	I	%		E	610000	
2,4-Dinitrotoluene		E	320000		I	%	I	%		E	690000	

Cust ID:	BLK		BLK BS	
Sample Information RFW#:	96LLC134-MB1		96LLC134-MB1	
Matrix:	SOIL		SOIL	
D.F.:	1.00		1.00	
Units:	ug/Kg		ug/Kg	
1,2-Dinitrobenzene	106	%	95	%
HMX	2200	U	88	%
RDX	1000	U	86	%
1,3,5-Trinitrobenzene	250	U	98	%
1,3-Dinitrobenzene	250	U	93	%
Nitrobenzene	260	U	93	%
Tetryl	750	U	108	%
2,4,6-Trinitrotoluene	250	U	92	%
2,6-Dinitrotoluene	260	U	94	%
2,4-Dinitrotoluene	250	U	95	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

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Roy F. Weston, Inc - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L228 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/22/96 15:48

Cust ID:	10EXCF1231		10EXCF1232		10EXCF1233		10EXCF1234		10EXCF1235		10EXCF1236	
Sample Information RFW#:	001		002		003		004		005		006	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	89	%	104	%	96	%	101	%	89	%	91	%
HMX	2200	U	1800	U	1900	U	2000	U	1800	U	1800	U
RDX	990	U	820	U	870	U	900	U	830	U	820	U
1,3,5-Trinitrobenzene	250	U	210	U	220	U	230	U	210	U	210	U
1,3-Dinitrobenzene	250	U	200	U	220	U	230	U	210	U	200	U
Nitrobenzene	260	U	210	U	230	U	230	U	210	U	210	U
Tetryl	740	U	610	U	650	U	680	U	620	U	610	U
2,4,6-Trinitrotoluene	250	U	210	U	220	U	230	U	210	U	210	U
2,6-Dinitrotoluene	260	U	210	U	230	U	230	U	210	U	210	U
2,4-Dinitrotoluene	250	U	200	U	220	U	230	U	210	U	200	U

Cust ID:	10EXCF1237		07EXCF1238		07EXCF1238		07EXCF1238		BLK		BLK BS	
Sample Information RFW#:	007		008		008 DL		008 DL		96LLC135-MB1		96LLC135-MB1	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		50.0		500		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	91	%	107	%	D	%	D	%	94	%	91	%
HMX	1900	U	1800	U	NA		NA		2200	U	79	%
RDX	850	U	830	U	NA		NA		1000	U	76	%
1,3,5-Trinitrobenzene	220	U	280		NA		NA		250	U	89	%
1,3-Dinitrobenzene	210	U	970		NA		NA		250	U	83	%
Nitrobenzene	220	U	220	U	NA		NA		260	U	87	%
Tetryl	640	U	620	U	NA		NA		750	U	92	%
2,4,6-Trinitrotoluene	220	U		E	16000		NA		250	U	88	%
2,6-Dinitrotoluene	220	U		E		E	990000		260	U	88	%
2,4-Dinitrotoluene	210	U		E		E	780000		250	U	86	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, In. Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L273 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/22/96 16:21

Cust ID:	07EXCF1240	07EXCF1240	07EXCF1240	07EXCF1240	07EXCF1240D	07EXCF1240D
Sample Information RFW#:	001	001 DL	001 MS	001 MSD	002	002 DL
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	500	1.00	1.00	1.00	200
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	102 %	D %	95 %	95 %	94 %	D %
HMX	1800 U	NA	79 %	80 %	1800 U	NA
RDX	830 U	NA	76 %	75 %	800 U	NA
1,3,5-Trinitrobenzene	1100	NA	92 %	94 %	200 U	NA
1,3-Dinitrobenzene	510	NA	99 %	102 %	200 U	NA
Nitrobenzene	220 U	NA	I %	I %	210 U	NA
Tetryl	620 U	NA	82 %	75 %	600 U	NA
2,4,6-Trinitrotoluene	2800	NA	I %	I %	880	NA
2,6-Dinitrotoluene	E	410000	I %	I %	E	130000
2,4-Dinitrotoluene	E	720000	I %	I %	E	110000

Cust ID:	07EXCF1241	07EXCF1241	07EXCF1241	BLK	BLK BS
Sample Information RFW#:	003	003 DL	003 DL	96LLC139-MB1	96LLC139-MB1
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	5.00	1000	1.00	1.00
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene	97 %	D %	D %	97 %	94 %
HMX	2000 U	NA	NA	2200 U	90 %
RDX	900 U	NA	NA	1000 U	88 %
1,3,5-Trinitrobenzene	680	NA	NA	250 U	97 %
1,3-Dinitrobenzene	230	NA	NA	250 U	94 %
Nitrobenzene	230 U	NA	NA	260 U	96 %
Tetryl	670 U	NA	NA	750 U	116 %
2,4,6-Trinitrotoluene	E	7300	NA	250 U	98 %
2,6-Dinitrotoluene	E	E	3200000	260 U	107 * %
2,4-Dinitrotoluene	E	E	740000	250 U	99 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

05/22/96

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Roy F. Weston, In - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L249 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/21/96 10:05 Page:

	Cust ID:	07EXCF1239	07EXCF1239	BLK	BLK BS
Sample Information	RFW#:	001	001 DL	96LLC137-MB1	96LLC137-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	5.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: 1,2-Dinitrobenzene		98 %	D %	99 %	97 %
HMX		1600 U	8000 U	2200 U	85 %
RDX		730 U	3600 U	1000 U	83 %
1,3,5-Trinitrobenzene		270	920 U	250 U	94 %
1,3-Dinitrobenzene		180 U	910 U	250 U	89 %
Nitrobenzene		190 U	950 U	260 U	89 %
Tetryl		550 U	2700 U	750 U	98 %
2,4,6-Trinitrotoluene		4700 E	5000	250 U	90 %
2,6-Dinitrotoluene		3300	950 U	260 U	96 %
2,4-Dinitrotoluene		5000 E	5400	250 U	92 %

03

05/21/96

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc · Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L315 Client: TSD/AAAP Work Order: 03886080018 Page: 1 Report Date: 05/23/96 08:30

Cust ID:	10EXCF1242		10EXCF1243		10EXCF1244		10EXCF1245		10EXCF1246		10EXCF1247	
Sample Information RFW#:	001		002		003		004		005		006	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	94	%	93	%	93	%	91	%	91	%	92	%
		fl		fl		fl		fl		fl		fl
HMX	1800	U	1700	U	1800	U	1500	U	2000	U	1700	U
RDX	830	U	750	U	810	U	680	U	910	U	760	U
1,3,5-Trinitrobenzene	210	U	190	U	200	U	170	U	230	U	190	U
1,3-Dinitrobenzene	210	U	190	U	200	U	170	U	230	U	190	U
Nitrobenzene	210	U	200	U	210	U	180	U	240	U	200	U
Tetryl	1300		2100		11000		510	U	680	U	570	U
2,4,6-Trinitrotoluene	210	U	250		200	U	170	U	230	U	190	U
2,6-Dinitrotoluene	210	U	200	U	210	U	180	U	240	U	200	U
2,4-Dinitrotoluene	210	U	190	U	200	U	170	U	230	U	190	U

Cust ID:	10EXCF1248		10EXCF1249		10EXCF1249		10EXCF1250		10EXCF1250		10EXCF1250	
Sample Information RFW#:	007		008		008 DL		009		009 DL		009 MS	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		20.0		1.00		20.0		1.00	
Units:	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2-Dinitrobenzene	99	%	97	%	D	%	115	%	D	%	103	%
		fl		fl		fl		fl		fl		fl
HMX	1700	U	1800	U	NA		1900	U	NA		98	%
RDX	780	U	840	U	NA		880	U	NA		90	%
1,3,5-Trinitrobenzene	200	U	210	U	NA		220	U	NA		110	%
1,3-Dinitrobenzene	200	U	210	U	NA		220	U	NA		98	%
Nitrobenzene	200	U	220	U	NA		230	U	NA		81	%
Tetryl	8300			E	210000			E	190000		I	%
2,4,6-Trinitrotoluene	200	U	210	U	NA		220	U	NA		97	%
2,6-Dinitrotoluene	630		220	U	NA		230	U	NA		105 *	%
2,4-Dinitrotoluene	200	U	210	U	NA		220	U	NA		95	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, Inc Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L315 Client: TSD/AAAP Work Order: 03886080018 Report Date: 05/23/96 08:30 Page: 2

	Cust ID:	10EXCF1250	10EXCF1250D	10EXCF1250D	10EXCF1251	10EXCF1252	BLK
Sample Information	RFW#:	009 MSD	010	010 DL	011	012	96LLC140-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	20.0	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2-Dinitrobenzene		115 %	106 %	D %	89 %	91 %	95 %
HMX		98 %	1900 U	NA	1600 U	1900 U	2200 U
RDX		88 %	850 U	NA	710 U	850 U	1000 U
1,3,5-Trinitrobenzene		113 * %	210 U	NA	180 U	210 U	250 U
1,3-Dinitrobenzene		98 %	210 U	NA	180 U	210 U	250 U
Nitrobenzene		76 %	220 U	NA	190 U	220 U	260 U
Tetryl		I %	E	150000	540 U	640 U	750 U
2,4,6-Trinitrotoluene		109 %	210 U	NA	180 U	210 U	250 U
2,6-Dinitrotoluene		107 * %	220 U	NA	190 U	220 U	260 U
2,4-Dinitrotoluene		98 %	210 U	NA	180 U	210 U	250 U

CH 5/23/96

CH 5/23/96

	Cust ID:	BLK BS
Sample Information	RFW#:	96LLC140-MB1
	Matrix:	SOIL
	D.F.:	1.00
	Units:	ug/Kg
1,2-Dinitrobenzene		91 %
HMX		91 %
RDX		88 %
1,3,5-Trinitrobenzene		96 %
1,3-Dinitrobenzene		94 %
Nitrobenzene		93 %
Tetryl		96 %
2,4,6-Trinitrotoluene		94 %
2,6-Dinitrotoluene		105 * %
2,4-Dinitrotoluene		98 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not reported. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of EPA CLP QC

Roy F. Weston, I. - Lionville Laboratory
Explosives by HPLC / Method 8330

RFW Batch Number: 9605L391 Client: TSD/AAAP Work Order: 03886-080-018-6900-00 Report Date: 05/26/96 12:22 Page:

	Cust ID:	10EXCF1253	10EXCF1253	07EXCF1254	07EXCF1255	07EXCF1255	07EXCF1255
Sample Information	RFW#:	001	001 DL	002	003	003 DL	003 DL
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	100	1.00	1.00	10.0	100
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg

03

Surrogate: 1,2-Dinitrobenzene	106 %	D %	98 %	102 %	D %	D %
	fl	fl	fl	fl	fl	fl
HMX	2200 U	220000 U	2100 U	2100 U	21000 U	210000 U
RDX	1000 U	100000 U	980 U	970 U	9700 U	97000 U
1,3,5-Trinitrobenzene	250 U	25000 U	250 U	240 U	2400 U	24000 U
1,3-Dinitrobenzene	250 U	25000 U	240 U	240 U	2400 U	24000 U
Nitrobenzene	260 U	26000 U	250 U	250 U	2500 U	25000 U
Tetryl	44000 E	49000	730 U	730 U	7300 U	73000 U
2,4,6-Trinitrotoluene	250 U	25000 U	250 U	730	2400 U	24000 U
2,6-Dinitrotoluene	260 U	26000 U	3100	130000 E	130000 E	130000 ~~D~~
2,4-Dinitrotoluene	250 U	25000 U	4700	50000 E	47000	46000 ~~D~~

CH 5/26/96

	Cust ID:	BLK	BLK BS
Sample Information	RFW#:	96LLC148-MB1	96LLC148-MB1
	Matrix:	SOIL	SOIL
	D.F.:	1.00	1.00
	Units:	ug/Kg	ug/Kg

Surrogate: 1,2-Dinitrobenzene	96 %	98 %
	fl	fl
HMX	2200 U	90 %
RDX	1000 U	90 %
1,3,5-Trinitrobenzene	250 U	98 %
1,3-Dinitrobenzene	250 U	92 %
Nitrobenzene	260 U	88 %
Tetryl	750 U	111 %
2,4,6-Trinitrotoluene	250 U	87 %
2,6-Dinitrotoluene	260 U	92 %
2,4-Dinitrotoluene	250 U	90 %

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U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.