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# **U.S. Army Corps of Engineers**

New England District  
Concord, Massachusetts

**Study Area 71  
Former Railroad Roundhouse Site  
Various Removal Actions-Phase II  
Devens, Massachusetts**

**Contract No. DACW33-95-D-0004**

**FINAL  
CLOSURE REPORT  
Delivery Order No. 0004  
DCN: VRA-011601-AAPY**

**16 January 2001**

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**FINAL  
CLOSURE REPORT  
STUDY AREA 71  
FORMER RAILROAD ROUNDHOUSE SITE  
VARIOUS REMOVAL ACTIONS-PHASE II  
DEVENS, MASSACHUSETTS**

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16 January 2001

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## TABLE OF CONTENTS

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Section	Page
<b>EXECUTIVE SUMMARY .....</b>	<b>ES-1</b>
<b>1. PURPOSE.....</b>	<b>1-1</b>
<b>2. SITE DESCRIPTION AND BACKGROUND.....</b>	<b>2-1</b>
2.1 SITE DESCRIPTION .....	2-1
2.2 OTHER ACTIONS TO DATE.....	2-4
<b>3. FIELD ACTIVITIES.....</b>	<b>3-1</b>
3.1 PROPOSED REMEDIAL ACTION AND PROJECT CLEANUP GOALS .....	3-1
3.2 SITE PREPARATION AND MOBILIZATION.....	3-2
3.3 EXCAVATION OF CONTAMINATED SOIL .....	3-2
3.4 SITE RESTORATION AND BACKFILLING .....	3-10
3.5 TRANSPORTATION AND DISPOSAL.....	3-10
<b>4. CONCLUSIONS .....</b>	<b>4-13</b>
<b>5. REFERENCE.....</b>	<b>5-1</b>
 <b>APPENDIX A      ANALYTICAL RESULTS OF BACKFILL MATERIAL SAMPLING</b>	
<b>APPENDIX B      ANALYTICAL RESULTS OF CONFIRMATORY SOIL SAMPLING</b>	
<b>APPENDIX C      ANALYTICAL RESULTS OF WASTE CHARACTERIZATION</b>	
<b>APPENDIX D      TRANSPORTATION AND DISPOSAL DOCUMENTATION</b>	
<b>APPENDIX E      MADEP AND USEPA RESPONSE TO COMMENTS</b>	

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## LIST OF FIGURES

---

<b>Title</b>	<b>Page</b>
Figure 2-1 Fort Devens Location Map .....	2-2
Figure 2-2 Proposed Limits of Excavation.....	2-3
Figure 3-1 Confirmatory Sample Locations and Excavation Limits.....	3-3
Figure 3-2 Cross-Section C .....	3-8

---

## LIST OF TABLES

---

<b>Title</b>	<b>Page</b>
Table 2-1 COPCs Exceedances in Soil .....	2-6
Table 3-1 Preliminary Remediation Goals.....	3-1
Table 3-2 Analytical Results Sampling Rounds.....	3-6

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## LIST OF ACRONYMS

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ABB	Abbott Environmental
B&MRR	Boston and Maine Railroad
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CMP	Complete Manifest Package
COPCs	Chemicals of potential concern
EPA	U.S. Environmental Protection Agency
MADEP	Massachusetts Department of Environmental Protection
MCP	Massachusetts Contingency Plan
NCP	National Contingency Plan
NPL	National Priorities List
NSI	Norfolk Services, Inc
PCBs	Polychlorinated Biphenyls
ppm	parts per million
PRE	Preliminary Risk Evaluation
PREs	Preliminary Risk Evaluations
PRGs	Preliminary remediation goals
RBCs	Risk based concentrations
RCRA	Resource Conservation and Recovery Act
SA	Study Area
SI	Site Investigation
SSI	Supplemental Site Investigation
SVOC	Semivolatile Organic Compounds
SWETS	Stone & Webster Environmental Technologies and Services
T&D	Transportation and disposal
TCLP	Toxicity characteristic leaching procedure
USEPA	U.S. Environmental Protection Agency
VOCs	Volatile Organic Compounds
WESTON	Roy F. Weston, Inc.

## EXECUTIVE SUMMARY

The purpose of this report is to document the remedial actions conducted at Study Area 71, the former Railroad Roundhouse site at Devens, Massachusetts, in accordance with the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) of 1980, as amended.

The former Railroad Roundhouse Site - Study Area (SA) 71, including the Maintenance By-Product Disposal Area consisting of a strip of land along the shoreline of Plow Shop Pond within the Devens installation boundary. The area of this strip of land is approximately 300 feet in length and 150 feet in width. The former Railroad Roundhouse and ancillary structures occupied approximately 6 acres of the site and the Maintenance By-Product Disposal Area occupied the northern most portion of this area.

The Boston and Maine Railroad (B&MRR) operated the former Railroad Roundhouse between 1900 and 1935. The Railroad Roundhouse Site was used for routine locomotive maintenance and repair, and for turning locomotives (i.e., reversing direction). Normal maintenance activities included cleaning, lubricating, wheel removal and servicing, smelting and pouring babbitt, and machining of bearing, brass, babbitt, iron, and steel. Steam was used to clean equipment. Lubricants included oils, varying in viscosity, and soft and hard grease. Babbitt is an antifriction alloy that was used on several surfaces (ABB, 1995).

Structures associated with this site included an ash pit, coal trestle, water tower, office, oil house, and an 8-inch drain extending to the northeast from the ash pit. The land formerly occupied by the roundhouse and the western half of the associated freight yard are now owned by the U.S. Department of the Army (Army). All buildings and track on the land were removed although; several concrete foundations still remain at SA 71. The site is not currently used and the proposed future use is expected to remain open space (ABB, 1995).

ABB Environmental Services (ABB, now called Harding Lawson Associates (HLA)) conducted a Site Investigation (SI) and a Supplemental Site Investigation (SSI) SSI for SA 71. The SSI included both human health and ecological Preliminary Risk Evaluations (PREs). The PRE evaluated analytical data for surface soil, sediment and groundwater, characterization of current

and potential future human health and ecological receptors, and identification of chemicals of potential concern (COPCs) for the Site.

The SSI for SA 71 concluded that levels of antimony, arsenic, and lead in soil at the Maintenance By-Products Area exceeded the Massachusetts Department of Environmental Protection (MADEP) and the Environmental Protection Agency (EPA) risk-based screening values, and their respective anthropogenic background concentrations (ABB, 1995). Additional sampling was conducted to further characterize the nature and extent of contamination. Stone & Webster Environmental Technologies and Services (SWETS) developed preliminary remediation goals (PRGs) for these analytes. Based on these results, removal action was recommended, consistent with the National Contingency Plan (NCP) guidance and site conditions. The removal action was proposed to reduce potential threats to public health, welfare or the environment.

SWETS prepared an Action Memorandum outlining the proposed remedial action. This Action Memorandum was approved by regulatory authorities in November 1999. This Action Memorandum recommended excavation of approximately 650 cubic yards of soil from an area encompassing 7,800 square feet. The average depth of the proposed excavation was to be 3 to 4 feet below ground surface, the approximate depth to the water table at the site. Only soils above the water table were to be removed, except for "hot spots" at two soil boring locations RHB-95-05X and RHS-94-06X. Excavation below the water table was to be conducted to the extent feasible at the "hot spots" to meet PRGs. Clean soil was to be used as backfill for the excavation and the disturbed areas were to be seeded to prevent erosion of the fill. Erosion control measures were to be set up along the shoreline prior to excavation.

Roy F. Weston, Inc. (WESTON®) conducted remedial activities at the site during November and December 1999. The remedial activities involved excavation of the contaminated soils, staging of the soils in a temporary stockpile area, backfilling of the excavated areas with clean fill and site restoration. After initial excavation to the limits estimated in the Action Memorandum, soil sampling revealed the presence of significant amounts of metals contamination outside these limits. The PRGs stated in the Action Memorandum were re-evaluated during the site activities in order to provide more reasonable PRGs for the site based on the proposed future use of the site. The site-specific PRGs were re-evaluated using the USEPA Region III RBCs, U.S.



Environmental Protection Agency (USEPA) OSWER directive #9355.4-.02 guidance, and the MCP S-2 soils standards. Excavation was continued laterally, and deeper to the water table.

The purpose of the removal action was to eliminate the bulk of the contamination at the site. The volume actually excavated by WESTON represented nearly a four-fold increase over that defined in the Action Memorandum. Approximately 2,400 cubic yards of metals-contaminated soil was excavated. Confirmatory soil sampling was conducted after excavation activities. Analytical results of confirmatory soil samples show reduced levels of site contaminants lead, antimony and arsenic. Upon completion of the excavation activities, it was assumed that further excavation would not be conducted based on the final evaluation of the site conditions and the proposed future uses of the property.

The excavation was backfilled with clean soil imported from an offsite borrow area. Backfill material was compacted. In May 2000, the excavated area was covered with loam and seed in a manner to stabilize the disturbed areas and to prevent runoff from the excavated area.

Approximately 494 tons of hazardous waste material containing concentrations of lead that exceeded TCLP criterion was shipped to CWM Chemical Services, LLC, Model City, New York. Approximately 1,160 tons of excavated material was classified as non-hazardous material and shipped to the Turnkey Landfill Division in Rochester, New Hampshire as landfill cover.

The removal action at the former Railroad Roundhouse Site (Study Area 71) reduced the potential threat to public health and welfare of the environment from the presence of site contaminants. Additionally, the clean backfill placed in the excavated area provides a barrier from residual contamination preventing direct contact of potential human and ecological receptors with the contaminated soil. It is intended that further site-specific risk evaluation shall be conducted in support of a No Further Action Decision for the site. Further excavation is not recommended for the site at this time pending results of the risk evaluation.

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**SECTION 1**

**PURPOSE**

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## **1. PURPOSE**

The purpose of this Removal Action Report is to describe the remedial activities conducted at Study Area (SA) 71, the former Railroad Roundhouse site at Devens, Massachusetts, in accordance with the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) of 1980, as amended. Remedial actions included the removal and disposal of approximately 2,400 cubic yards of soil contaminated with antimony, arsenic and lead, and backfilling of the excavation with clean soil.

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## **SECTION 2**

### **SITE DESCRIPTION AND BACKGROUND**

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## **2. SITE DESCRIPTION AND BACKGROUND**

### **2.1 SITE DESCRIPTION**

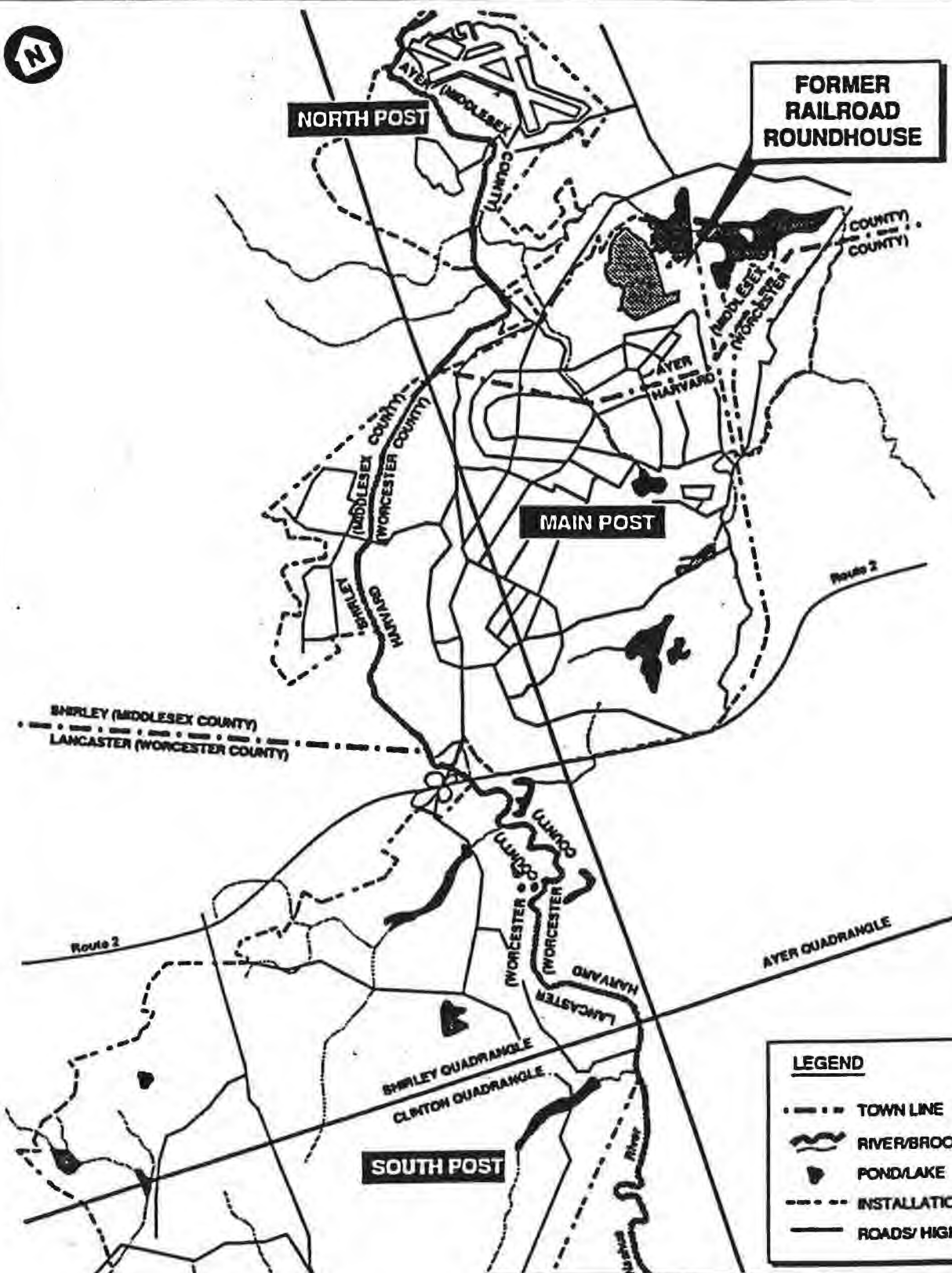
The former Fort Devens (now called Devens) is located in the towns of Ayer and Shirley (Middlesex County) and Harvard and Lancaster (Worcester County), approximately 35 miles west of Boston, Massachusetts (Figure 2-1). The installation occupies approximately 9,260 acres. Fort Devens was used for a variety of training missions between 1917 and 1990. On 21 December 1989, Fort Devens was placed on the National Priorities List (NPL) pursuant to CERCLA. In 1990, the base was selected for cessation of operations and closure under Public Law 101-510, the Base Realignment and Closure (BRAC) Act of 1990.

The following information about site background and previous actions to date at the site is derived from the Action Memorandum dated November 1999, developed by Stone & Webster Environmental Technologies and Services (SWETS) for the project.

The former Railroad Roundhouse Site (Study Area 71), including the Maintenance By-Product Disposal Area consists of a strip of land extending from Plow Shop Pond along the installation boundary for approximately 1,100 feet and ending just north of monitoring well SHL-24 (Figure 2-2). The former Railroad Roundhouse and ancillary structures occupied approximately 6 acres. The remediation area was approximately 250 feet long along the shoreline of Plow Shop Pond and approximately 150 feet narrowing down to approximately 50 feet as shown in Figure 2-2. The Maintenance By-Product Disposal Area occupied the northern most portion of this area.

The Boston and Maine Railroad (B&MRR) operated the former Railroad Roundhouse between 1900 and 1935. The Railroad Roundhouse Site was used for routine locomotive maintenance and repair, and for turning locomotives (i.e., reversing direction). Normal maintenance activities included cleaning, lubricating, wheel removal and servicing, smelting and pouring babbitt, and machining of bearing, brass, babbitt, iron, and steel.





**LEGEND**

- TOWN LINE
- ~ RIVER/BROOK
- ▲ POND/LAKE
- - - INSTALLATION BOUNDARY
- ROADS/ HIGHWAY



SCALE IN FEET  
0 3000 6000

**ARMY CORPS OF ENGINEERS**

**FORT DEVENS  
SOUTH POST IMPACT AREA**

**FORT DEVENS LOCATION MAP**

SOURCE:



STONE & WEBSTER ENVIRONMENTAL TECHNOLOGY & SERVICES  
BOSTON, MASSACHUSETTS

**FIGURE 2-1**

Steam was used to clean equipment. Lubricants included oils, varying in viscosity, and soft and hard grease. Babbit is an antifriction alloy that was used on several surfaces [Abbott Environmental (ABB) 1995].

Structures associated with this site include an ash pit, coal trestle, water tower, office, oil house, and an 8-inch drain extending to the northeast from the ash pit. The land formerly occupied by the roundhouse and the western half of the associated freight yard are now owned by the U.S. Department of the Army (Army). All buildings and track on the land were removed although; several concrete foundations still remain at Study Area 71 (SA 71). The site is not currently used and the proposed future use is expected to remain open space (ABB, 1995).

Material with the characteristics of coal ash was observed in soil at several locations across the site. Based on Site Investigation (SI) and Supplemental Site Investigation (SSI), deposits associated with the Maintenance By-Products Disposal Area extend approximately 15 to 25 feet into Plow Shop Pond (ABB, 1995).

The Site was sparsely vegetated with small trees, brush, and grass, and was discernible from adjacent areas to the west that have been excavated and are not vegetated. The southern portion of the Site had little discernible slope. The northern portion of the site sloped downward from the roundhouse to the Maintenance By-Product Area. The elevation of the land surface in the area of the Maintenance By-Products Disposal Area is approximately 220 to 230 feet above sea level. The normal elevation of Plow Shop Pond is approximately 217 feet above sea level.

## **2.2 OTHER ACTIONS TO DATE**

Previous actions at SA 71 are discussed in detail in the SSI compiled by ABB (ABB, 1995). A brief summary of the actions to date is provided below.

ABB conducted SI and SSI for SA 71. The SSI included both human health and ecological Preliminary Risk Evaluations (PREs). The PRE evaluated analytical data for surface soil, sediment and groundwater, characterization of current and potential future human health and ecological receptors, and identification of chemicals of potential concern (COPCs) for the Site.

The results of the PRE are used in concert with additional sampling information to focus the site remedial activities.

ABB identified several COPCs in soil samples collected across the site, as identified in the SSI report. The majority of screening value exceedances occurred in samples collected in the maintenance by-products disposal area. Table 2-1 lists samples collected in previous investigations that exceed the PRGs. ABB concluded that COPCs including antimony, copper, tin, arsenic and lead may pose unacceptable risks to human and ecological receptors. The SSI report issued by ABB concluded that with the exception of antimony, copper and lead, the COPCs have been detected at concentrations which are consistent with coal ash. As stated in the SSI "Coal ash is widespread and ubiquitous at the railroad roundhouse site and coal ash is present as fill material at the site."

The PRE compared the maximum detected concentrations of constituents at SA 71 with accepted state and federal levels. Anthropogenic background levels were identified for SA 71, consistent with state regulations. The PRE methodology was designed to conservatively evaluate potential risks at the site using the limited data available. The PRE likely overestimated the potential for human and ecological risks.

Following the PRE, in September of 1995, additional sampling was conducted by ABB to better define the extent of the contamination. SWETS submitted these samples for Resource Conservation and Recovery Act (RCRA) metals and toxicity characteristic leaching procedure (TCLP) metals analysis, in December 1995. The results of these analyses suggested that elevated concentrations of metals were present in soils at an average depth of approximately 3-6 feet. Detailed cross-sections showing the locations, depth and concentrations of site contaminants can be found in the Action Memorandum dated November 1999, prepared by SWETS for the project.

**TABLE 2-1**  
**COPCs Exceedences in Soil**  
**Railroad Roundhouse, Fort Devens, Massachusetts**

<b>Sample ID</b>	<b>Depth (feet)</b>	<b>Antimony</b>	<b>Arsenic</b>	<b>Lead</b>
<b>Maintenance By-Product Area Data Exceeding PRGs</b>				
<b>RHS-94-04X</b>	0	<b>18</b>	<b>16</b>	<b>573</b>
	0.5	<b>410</b>	<b>18</b>	<b>7100</b>
	1.5	<b>420</b>	<b>42</b>	<b>4320</b>
<b>RHS-94-05X</b>	0	<b>4.88</b>	<b>13</b>	<b>145</b>
	0.5	<b>570</b>	<b>14</b>	<b>681</b>
	1.5	<b>66</b>	<b>10</b>	<b>1850</b>
<b>RHS-94-06X</b>	0.5	<b>30</b>	<b>21</b>	<b>1040</b>
	0.5	<b>1400</b>	<b>49</b>	<b>3820</b>
	1.5	<b>7.2</b>	<b>10</b>	<b>310</b>
<b>RHS-94-07X</b>	0	<b>40</b>	<b>19</b>	<b>967</b>
	1.0	<b>41</b>	<b>23</b>	<b>760</b>
	2.0	<b>5.77</b>	<b>16</b>	<b>578</b>
<b>SXRH04/RHS-95-04X</b>	0.0	<i>NS</i>	<b>14</b>	<b>190</b>
	4.0	<i>NS</i>	<b>4.9</b>	<b>19</b>
	8.0	<i>NS</i>	<b>12</b>	<b>2.6</b>
<b>SXRH05/RHS-95-05X</b>	0.0	<i>NS</i>	<b>19</b>	<b>980</b>
	6.0	<i>NS</i>	<b>17</b>	<b>1800</b>
	12.0	<i>NS</i>	<i>ND</i>	<i>ND</i>
<b>SXRH06/RHS-95-06X</b>	0.0	<i>NS</i>	<b>17</b>	<b>1200</b>
	8.0	<i>NS</i>	<b>12</b>	<b>190</b>
	10.0	<i>NS</i>	<b>11</b>	<b>140</b>
	12.0	<i>NS</i>	<b>4</b>	<b>7.3</b>
<b>SXRH07/RHS-95-07X</b>	4.0	<i>NS</i>	<b>17</b>	<b>380</b>
	6.0	<i>NS</i>	<b>14</b>	<b>350</b>
	14.0	<i>NS</i>	<b>4</b>	<i>ND</i>
<b>SXRH08/RHS-95-08X</b>	0.0	<i>NS</i>	<b>16</b>	<b>4200</b>
	6.0	<i>NS</i>	<b>20</b>	<b>680</b>
	18.0	<i>NS</i>	<b>2.3</b>	<i>ND</i>
<b>SXRH09/RHS-95-09X</b>	0.0	<i>NS</i>	<b>6.8</b>	<b>240</b>
	14.0	<i>NS</i>	<b>9.1</b>	<b>16</b>
	16.0	<i>NS</i>	<b>4.1</b>	<b>4.6</b>
<b>RHD-94-02X</b>	0	<b>17.6</b>	<b>9.88</b>	<b>945</b>
<b>RHD-94-03X</b>	0	<b>12.3</b>	<b>16</b>	<b>282</b>
<b>RHD-94-03X-Duplicate</b>	0	<b>9.13D</b>	<b>11D</b>	<b>344D</b>

**Notes:**

1. Background defined by ABB as the 95th percentile UCL on the mean of 12 samples collected at the locations (RHS-94-14X to -18X) between zero and three feet bgs
2. Estimated by ABB, includes samples from test pits RHS-94-09X to 13X
3. Estimated by ABB, includes samples from test pits RHS-94-04X to 07X
4. Results with non detected values were averaged as 1/2 SQL
5. 95th UCL assumed a log normal distribution of data.
6. All values reported in mg/kg
7. Bolded values exceed initial PRGs



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## **SECTION 3**

### **FIELD ACTIVITIES**

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### 3. FIELD ACTIVITIES

#### 3.1 PROPOSED REMEDIAL ACTION AND PROJECT CLEANUP GOALS

The Action Memorandum prepared by Stone & Webster for the remedial action called for the excavation of approximately 650 cubic yards of soils containing concentrations of site-specific contaminants (antimony, arsenic and lead) above established preliminary remediation goals (PRGs). As stated in Subsections 2.2 and 3.1.1 of the Action Memorandum “the Preliminary Risk Evaluation (PRE) methodology was designed to conservatively evaluate potential risks at the site using the limited data available. The PRE likely overestimated the potential for human and ecological risks”. The Action Memorandum indicated that the PRGs were evaluated through comparison of the maximum detected concentrations of all analytes in soil 0-2 feet below ground surface to background screening concentrations (inorganics only).

During the site activities, it became apparent that the PRGs established in the Action Memorandum were conservative based on the proposed future use of the property. The PRGs were re-evaluated during the site activities to include the U.S. Environmental Protection Agency Region III (USEPA) commercial/industrial risk based concentrations (RBCs), the Massachusetts Contingency Plan (MCP) S-2 soil standards, and the background screening concentrations as guidelines to determine reasonable PRGs for this site. The USEPA OSWER directive #9355.4-.02 guidance was also consulted for lead. The USEPA OSWER directive recommends a soil lead clean-up level of 500-1,000 parts per million (ppm) for protection of human health at residential CERCLA sites. Table 3-1 summarizes the standards and background concentrations that were considered.

**Table 3-1**

**Preliminary Remediation Goals**

COPCs	USEPA RBCs – Region III (ppm)	USEPA OSWER #9355.4-.02 (ppm)	MCP S-2 Soil Standard (ppm)	Background (ppm)
Antimony	820	--	40	2.7
Arsenic	3.8	--	30	28.5
Lead	400	500-1000	600	210

### **3.2 SITE PREPARATION AND MOBILIZATION**

WESTON retained the services of Norfolk Services, Inc (NSI) to perform the excavation, stockpiling and backfilling operations at the site. Prior to mobilization of NSI equipment and personnel, WESTON conducted a preliminary sitewalk with U.S. Army personnel to determine the limits of excavation. The limits were marked out and DIGSAFE was informed of the excavation project one week before the commencement of field activities. No utilities were found within the excavation limits.

WESTON utilized the services of a tree-clearing contractor which removed the trees and vegetation within the excavation and haul road areas during the last week of November 1999.

NSI mobilized to the site during the last week of November 1999 and setup the temporary soil stockpiling area adjacent to the site as shown in Figure 3-1. The temporary stockpiling area was constructed on a flat surface. Several 20-mil high-density polyethylene (HDPE) liner panels were laid down adjacent to each other and overlapped at least 12 inches to prevent any gaps in the floor of the stockpile area. The berms for the stockpile area were constructed using haybales and the liner was wrapped over the haybale berms.

In order to ensure that silt and contaminated soil were not introduced into the waters of Plow Shop Pond during remedial activities, a curtain boom was placed in the water along the shoreline for a length of approximately 250 feet to encompass the limits of excavation along the shoreline. This curtain boom was made of polyethylene and was approximately 6 inches wide at the top and 18 inches deep. The boom was supported by pairs of wooden stakes driven on either side of the boom approximately every 50 feet along the length of the boom.

A CAT 330 excavator, a CAT 25-ton articulated dump truck and a CAT 426 backhoe were mobilized by NSI to the site.

### **3.3 EXCAVATION OF CONTAMINATED SOIL**

Subsequent to the mobilization of equipment, WESTON excavated a test trench reaching down to the water table outside the estimated limits of the excavation proposed in the Action

Memorandum. Soil samples were taken from the outer sidewalls of this trench excavation for verification of site contaminant levels. Sidewall samples were collected as grab samples every 10 feet along a 50-foot section of the sidewall. The five grab samples were composited into one sample for analysis. A total of six composite sidewall samples were collected from the trench. These samples were packed and shipped to AMRO Environmental Laboratory, Merrimack, New Hampshire, the laboratory of record for the project for analysis of antimony, arsenic and lead.

Figure 3-1 shows the locations of the initial excavation trench and the sample locations S1, S2, S3, S4, S5 and S6. Field measurements using stakes and tape in conjunction with site characteristics were made during the excavation activities in order to locate samples and excavation limits for the figures including in this report.

The excavation was conducted using an excavator. The contaminated area was excavated approximately six (6) inches to one foot above the water table starting along the southern portion of the excavation and moving toward Plow Shop Pond. A ramp was constructed to allow access of the excavator to the hole. The "Hot Spots" were excavated after the initial 6 inches to one foot of material was excavated. The hot spots were excavated approximately six (6) feet below the groundwater table utilizing an excavator. The soil consisted of a low-porosity, low-packed material with brick debris, which did not need to be dewatered. However, the excavator bucket was slotted to dewater the excavated material prior to stockpile. Soil samples were obtained from the tip of the excavator bucket.

Analytical results of the preliminary round of sampling from the sidewalls of the initial excavation trench are shown in Table 3-2. These results indicated that site-specific contaminants or chemicals of potential concern (COPCs) were found outside the estimated lateral boundaries of the excavation area.

In order to investigate the extent of metals contamination in the southerly direction, two test pits (TP1 and TP2) were dug to a depth of approximately six (6) feet below ground surface at the locations shown in Figure 3-1. Samples were collected from these two test pits (sample IDs TP1-1 at 0-3 ft. bgs and TP1-2 at 3-6 feet bgs at TESTPIT 1 and TP2-1 and TP2-2 at similar depths at TESTPIT-2. . These were analyzed for antimony, arsenic and lead at the offsite laboratory. Analytical results from these testpit samples are shown in Table 3-2. These results

indicated that the COPCs were present at these locations as well, with significant levels of lead in the TESTPIT 2 (TP2) location. Excavation was extended an additional 10 feet on all sides and a second round of sidewall samples were collected (Sample IDs S1-2, S2-2, S3-2, S4-2, and S5-2 as shown in Figure 3-1). Sidewall samples were again collected as grab samples every 10 feet along a 50-foot section of the sidewall. The five grab samples were composited into one sample for analysis. Analytical results of sample location S6 indicated low levels of COPCs during the first round of excavation and the excavation was not extended at this location. Additionally, native sand was encountered in the sidewalls at this location.

Samples from the second round of excavation were analyzed at the offsite laboratory. Analytical results from the second round of sidewall sampling are shown in Table 3-2. Analytical results from sample locations S1-2 and S3-2 showed higher levels of lead at 670 ppm and 19,000 ppm respectively. The high concentration of lead at S3-2 may be attributed to a chunk of lead that may have been entrained in the soil sample analyzed. Excavation was extended an additional 5-10 feet along the southeastern boundary to identify the southern boundary of the excavation. Confirmatory sidewall samples were collected every 10 feet along 50-foot sections of the sidewall and composited for analysis. The location of soil sample S3-3 on Figure 3-1, indicates the center portion of the sidewall where the 5-point composite grab samples were collected. One of the five composite sample points along the sidewall was located 5-10 feet up-gradient of sample S3-2, establishing the southern boundary of the excavation.

Additional test pits were excavated further south to encompass the locations of S1-2 and S3-2 as shown in Figure 3-1, until the predominance of coal tar and pulverized brick subsided and native sand was found approximately 30 feet south of testpits TP1 and TP2. The new boundaries of the excavation were extended approximately 30 feet south of TP1 and TP2 as shown in Figure 3-1. The soils were excavated another 6-7 feet deep at the south sidewall and extended north at a 1:1 slope reaching the water table at the floor of the excavation. A third round of sidewall grab composite samples were collected from the south sidewall and analyzed at the offsite laboratory. Analytical results from the third round of sidewall sampling are shown in Table 3-2. Analytical results from the third round of sampling indicate levels of antimony of <5.3 ppm in sidewall sample S1-3 and 22 ppm in sidewall sample S3-3.



**Table 3-2**  
**Analytical Results Sampling Rounds**

Sample ID	Antimony	Arsenic	Lead
<b>Sidewalls of Round 1 (Initial) Excavation Limit</b>			
S1	43	12	3000
S2	38	38	570
S3	6.7	32	100
S4	14	32	130
S5	14	16	110
S6	4.6	12	74
<b>Testpits 1 and 2 Sampling</b>			
TP1-1	31	20	430
TP1-2	40	39	610
TP2-1	23	28	1500
TP2-2	41	20	970
<b>Sidewalls of Round 2 Excavation</b>			
S1-2	36	28	670
S2-2	13	13	140
S3-2	2900	82	19000
S4-2	6.1	14	100
S5-2	17	15	390
<b>Sidewalls of Round 3 (Final) Excavation</b>			
S1-3	<5.3	13	<6.6
S3-3	22	14	<6.2
S3-3DUP	<4.8	10	<5.9
<b>Excavation Floor Sampling- Round 1</b>			
FL1	34	18	570
FL2	18	19	570
FL3	25	29	990
FL4	31	24	700
HS1	25	9.4	380
HS2	38	26	610



Sample ID	Antimony	Arsenic	Lead
<b>Excavation Floor Sampling- Round 2</b>			
FL3-3	30	22	660
FL3-4	9.1	20	200
FL4-3	6.1	19	190
FL4-4	12	20	230

The floor of the excavation was divided into four grids each of approximate area 250 SF and named FL1, FL2, FL3 and FL4 as shown in Figure 3-1. Two hotspots - one near the location of soil borings RHS-94-04X and RHS-94-06X and the other near the locations of soil boring RHM-94-07X and RHB-95-07X collected by ABB (see Figure 2-2 for locations of these soil borings), were excavated down to approximately four (4) feet below the water table. These hotspots were named HS1 and HS2. HS1 was located within FL1 and FL3 and HS2 was located within FL4. The soil samples collected from the bottom of the hot spot excavations were named HS1 and HS2 and analyzed at the offsite laboratory. Analytical results for these samples are shown in Table 3-2.

Analytical results of samples collected from the four floor grids (FL1 through FL4) showed higher concentrations of lead in samples from floor grids FL3 at 990 ppm and FL4 at 700 ppm. Additional excavation was conducted in these two grids down to approximately 6 inches below the water table. Composite samples FL3-3 and FL3-4 were then collected in grid FL3 from below the water table, by dividing the area of grid FL3 in half, and collecting five equidistant samples in each half area and compositing them into one sample per half-area. Similarly, composite samples FL4-3 and FL4-4 were collected from grid FL4, and analyzed. Analytical results are shown in Table 3-2 which indicate that the highest lead concentration was in the floor sample FL3-3 at 660 ppm. Confirmation sidewall samples were collected from the excavation limits every 10 feet along a 50-foot section of the sidewall and composited for analysis. Figure 3-2 shows the estimated and final vertical limits of the excavation along the longest cross-section.

Taking into consideration the remaining contaminant concentrations, the potentially more applicable remediation goals, the volume of soil removed, and the potential hazards associated

with the open excavation, the excavation activities were terminated. Additionally, with the approach of winter weather, it was not feasible to leave an open excavation of approximately 15 feet deep on the southern side of the excavation since this would pose a safety hazard, especially with snow cover. A total volume of approximately 2,400 cubic yards of contaminated soil was excavated from the site.

At the conclusion of excavation activities, the levels of antimony in the final sidewall samples ranged from <5.3 ppm at sample location S1-3 to 22 ppm at sample location S3-3; levels of arsenic ranged from 12 ppm at sample location S6 to 15 ppm at sample location S5-2; levels of lead ranged from <6.2 ppm at location S3-3 to 390 ppm at location S5-2. Final excavation floor samples are represented by samples FL1, FL2, FL3-3, FL3-4, FL4-3 and FL4-4. Final samples in the floor of the excavation showed antimony concentrations ranging from 6.1 ppm at location FL4-3 to 38 ppm at the hot spot location HS2; arsenic concentrations from 9.1 ppm at the hot spot location HS1 to 26 ppm at location HS2 and lead concentrations from 190 ppm at sample location FL4-3 to 660 ppm at sample location FL3-3.

The confirmation samples were not subjected to formal data validations, including evaluation by a chemist of precision and accuracy or assignment of data qualifiers via exam. However, WESTON technical personnel with knowledge of sampling and analysis protocols, as well as of the project-specific data quality objectives verified that sample holding times were not exceeded and proper sample collection handling, preservation and analytical methods were used. In addition, technical personnel evaluated the following:

- The presence of analytical background contaminants (via examination of blank data).
- The precision of the data (qualitatively, via examination of duplicate analytical results for field duplicates).
- The reasonableness of the data, based on historic knowledge of the site, as well as on other data in the vicinity.
- Any unusual sample- or analysis-related conditions.

Copies of laboratory analytical results of confirmatory sampling are included in Appendix A.

### **3.4 SITE RESTORATION AND BACKFILLING**

Upon completion of the excavation, site restoration activities commenced. Restoration activities began with backfilling of the excavation. Backfill material had been previously sampled from the borrow pit at Powell Stone & Gravel, Inc., Lunenburg, Massachusetts. Analytical results of backfill material sampling indicate that no contaminants were present in the backfill material. The analytical results for the backfill material are included in Appendix B. The backfilling was placed in one-foot thick lifts and compacted using four passes with a dozer. Backfill material along the shoreline of Plow Shop Pond was placed in lifts of 6-inch thickness and compacted using a vibratory compactor to prevent erosion of the banks. The curtain boom placed prior to the start of the excavation activities was left in place for a week after backfilling activities were completed. Periodic inspections of the site after storm events during December 1999 showed minimal impact to the sideslopes or to the compacted areas along the shoreline from storm events.

In May 2000, the excavated area was covered with loam and seed in a manner to stabilize the disturbed areas and to prevent runoff from the excavated area.

### **3.5 TRANSPORTATION AND DISPOSAL**

Transportation and disposal (T&D) of the excavated materials generated during the removal action were handled according to local, state, and federal guidelines. The shipping documentation for all materials generated and disposed are located in Appendix D.

Excavated material was live-loaded into an off-road truck and hauled to the soil stockpile area adjacent to the site as shown in Figure 3-1. Care was taken to ensure that the truck was not overloaded and no spillage of contaminated material occurred on the haul road. Adequate care was exercised to ensure that no contaminated soil was spilled outside the berms of the stockpile area either during unloading of the haul truck or during shaping of the soil stockpile with the dozer. The integrity of the 20-mil HDPE liner underneath the soil stockpile was also monitored during the unloading of contaminated soil to ensure that there was no damage to the liner.

The soil was stockpiled with adequately flat sideslopes in order to maintain stability of the slopes while the soil stockpile awaited final disposal. The stockpile was covered with waterproof tarps with sufficient overlaps between sections, and secured with haybales to prevent infiltration of snow and rain. The stockpile was periodically inspected to ensure that the covers were intact from wind and storm events.

The stockpile was sampled for waste characterization parameters at a frequency of one sample per 200 cubic yards of material stockpiled. The samples were analyzed for Volatile Organic Compounds (VOCs) (by EPA Method 8260B), Semivolatile Organic Compounds (SVOC) (by EPA Method 8270C), Pesticides (by EPA Method 8081A), Polychlorinated Biphenyls (PCBs) (by EPA Method 8082), Total RCRA 8 metals (by EPA Method 6010B), Ignitability (by EPA Method 1010), Total Antimony (not part of the RCRA 8 metals list, but analyzed since it is a CPOC at the site), Reactive Cyanide (by EPA Method 7.3.3.2), Reactive Sulfide (by EPA Method 7.3.4.2), Corrosivity (by EPA Method 9045C ) and Total Petroleum Hydrocarbons (by EPA Method E418.1). A total of twelve (12) samples were collected and these were named WC-01 through WC-12. Copies of analytical results of waste characterization sampling are included in Appendix C of this report.

The analytical results of waste characterization sampling were compared to various disposal option criteria. The most significant concentration of any contaminant analyzed, was total lead which ranged from 360 ppm in sample WC-03 to 1,700 ppm in sample WC-06. The total metals concentrations were compared against the value of 20 times the TCLP criteria (TCLP x 20 rule) and showed that total metals concentrations with the exception of lead were below the TCLP x 20 value. Therefore, the samples were then re-analyzed for TCLP lead concentrations, and showed that the TCLP lead concentrations were below the TCLP lead criterion of 5 ppm in ten of the twelve samples analyzed. Two of the twelve samples analyzed showed TCLP lead concentrations above the 5 ppm TCLP lead criterion - sample WC-03 at 5.6 ppm and sample WC-06 at 16 ppm. TCLP lead levels in the remaining ten samples ranged from 0.42 ppm in sample WC-10 to 4.1 ppm in sample WC-07.

The waste characterization analytical results along with information on the site history, sampling methods and soil characteristics were submitted to the disposal subcontractor for profiling and



receiving facility determination. Once the subcontractor designated the disposal facility, transportation was arranged. Information on both the disposal facility and transporter was submitted to CENAE in the form of a Complete Manifest Package (CMP). The CMP included, at minimum, the following information:

- Name, address/location, telephone number, contact, USEPA identification number, copy of operations permit, recent weigh scale inspection and calibration certification, and proof of current liability insurance for the disposal facility(ies).
- Name, address, telephones number, contact, and proof of current liability insurance for the transporter(s).

Upon the approval of the CMP by CENAE and the facility's acceptance of the waste, the profiled material was then shipped off-site for disposal/reuse. Based on analytical disposal characterization results, the soil stockpile was divided into two sections. Approximately 494 tons of hazardous waste material containing concentrations of lead that exceeded TCLP criterion was shipped to CWM Chemical Services, LLC, Model City, New York. Approximately 1,160 tons of excavated material was classified as non-hazardous material and shipped to the Turnkey Landfill Division in Rochester, New Hampshire as landfill cover. The shipping documentation for all materials generated and disposed of are located in Appendix D.

Approximately 25 cubic yards of other non-hazardous material including tree stumps, hay bales, and plastic were removed by Charter Environmental and disposed at a N.E.E.D. Landfill, 23 Green Hill Road, Johnstown, Rhode Island in September 2000. The Bill of Lading is included in Appendix D.



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## **SECTION 4**

## **CONCLUSIONS**

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## 4. CONCLUSIONS

The removal action conducted at Study Area (SA) 71, the former Railroad Roundhouse site at Devens, Massachusetts resulted in the excavation and disposal of approximately 2,400 cubic yards of soil contaminated with antimony, arsenic and lead. Approximately 1,160 tons of non-hazardous waste material was removed from the site and shipped to ARC, Eliot, Maine and approximately 494 tons of lead contaminated soil was removed from the site and disposed at CWM Chemical Services, LLC, Model City, New York.

This removal action has resulted in a significant reduction of the potential threat to human health and welfare of the environment. Residual concentrations of contaminants above the PRGs stated in the Action Memorandum are present at the site. However, the PRGs stated in the Action Memorandum were re-evaluated during the removal action in order to provide more reasonable PRGs based on the proposed future use of the site. A further evaluation of the site, including a risk evaluation on the residual concentrations, will likely be needed before the site can be closed out. The data from previous investigations and future evaluations will be utilized to evaluate site-specific goals. It is anticipated that the risk evaluation conducted using site-specific data collected to date will support a No Further Action Decision. Further excavation is not recommended for the site at this time pending results of the risk evaluation.

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## **SECTION 5**

## **REFERENCES**

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## 5. REFERENCE

ABB Environmental Services, September 1995. *Railroad Roundhouse Supplemental Site Investigation.*

Stone & Webster Environmental Technologies and Services, September 1999. *Draft Action Memorandum Railroad Roundhouse report.*

USEPA, (U.S. Environmental Protection Agency), August 1994. Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities, OSWER Directive #9355.4-12.

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**APPENDIX A**

**ANALYTICAL RESULTS OF BACKFILL MATERIAL SAMPLING**

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## SOIL METALS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

AMRO Project # : 24881

AMRO Sample ID:

ICP:24881-01

Hg:24881-01

COMPOUND (Method #)	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC.	QC LIMITS RECOVERY
Arsenic (6010)	520	0	525	101	75-125
Barium (6010)	520	0	571	110	75-125
Cadmium (6010)	104	0	106	102	75-125
Chromium (6010)	520	7.4	522	99	75-125
Lead (6010)	520	0	530	102	75-125
Mercury (7471)	0.571	0	0.583	102	75-125
Selenium (6010)	520	0	505	97	75-125
Silver (6010)	52.0	0	52.1	100	75-125

Values outside of QC limits.

Note:

COMPOUND (Method #)	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC.	% RPD	QC LIMITS RPD	REC.
Arsenic (6010)	517	534	103	1.7	20	75-125
Barium (6010)	517	561	109	1.8	20	75-125
Cadmium (6010)	103	106	103	0.0	20	75-125
Chromium (6010)	517	530	101	1.5	20	75-125
Lead (6010)	517	530	103	0.0	20	75-125
Mercury (7471)	0.646	0.631	98	7.9	20	75-125
Selenium (6010)	517	523	101	3.5	20	75-125
Silver (6010)	51.7	50.8	98	2.5	20	75-125

Values outside of QC limits.

RPD: 0 out of 8 outside limits

Spike Recovery: 0 out of 16 outside limits

Note:

## Laboratory Report Volatile Petroleum Hydrocarbons (VPH)

Method for Ranges: MADEP VPH 98-1	Client ID	Backfill Soil					
Method for Target Analytes: EPA 8260	AMRO Lab ID	24881-01		P.Blank-11/22/99			
VPH Surrogate Standards	Date Collected	11/23/99		N/A			
1,2-Dichloroethane-d4	Date Received	11/23/99		N/A			
Toluene-d8	Date Analyzed	12/03/99		12/02/99			
Bromofluorobenzene	mL Methanol/g soil						
2,5-Dibromotoluene	1:1 +/- 25%	[ X ] Yes [ ] No		NA			
	Dilution Factor	1		1			
	% Solids	96.0		NA			
<b>Range/Target Analyte</b>	<b>UNITS</b>	<b>RESULTS</b>	<b>RL</b>	<b>RESULTS</b>	<b>RL</b>	<b>RESULTS</b>	<b>RL</b>
C <sub>5</sub> -C <sub>8</sub> Aliphatic Hydrocarbons <sup>1,2</sup>	mg/Kg	ND	2.7	ND	2.5		
C <sub>9</sub> -C <sub>12</sub> Aliphatic Hydrocarbons <sup>1,3</sup>	mg/Kg	ND	0.68	ND	0.62		
C <sub>9</sub> -C <sub>10</sub> Aromatic Hydrocarbons <sup>1</sup>	mg/Kg	ND	0.68	ND	0.62		
Methyl-tert-butylether	mg/Kg	ND	0.055	ND	0.050		
Benzene	mg/Kg	ND	0.055	ND	0.050		
Toluene	mg/Kg	ND	0.055	ND	0.050		
Ethylbenzene	mg/Kg	ND	0.055	ND	0.050		
m- & p-Xylenes	mg/Kg	ND	0.055	ND	0.050		
o-Xylene	mg/Kg	ND	0.055	ND	0.050		
Naphthalene	mg/Kg	ND	0.055	ND	0.050		
Dibromofluoromethane Limits (70-130%)	%	101	N/A	98.9	N/A		
1,2-Dichloroethane-d4 Limits (70-130%)	%	99.6	N/A	96.1	N/A		
Toluene-d8 Limits (70-130%)	%	99.5	N/A	96.5	N/A		
Bromofluorobenzene Limits (70-130%)	%	90.4	N/A	92.6	N/A		
2,5-Dibromotoluene Limits (70-130%)	%	79.1	N/A	89.0	N/A		

<sup>1</sup> Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

<sup>2</sup> C<sub>5</sub>-C<sub>8</sub> Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

<sup>3</sup> C<sub>9</sub>-C<sub>12</sub> Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND conc of C<sub>9</sub>-C<sub>10</sub> Aromatic Hydrocarbons

N/A = Not Applicable


ND = Not Detected at or above the Reporting Limit (RL) indicated.

COMMENTS: See Non-Conformance Summary.

### CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? [ X ] Yes [ ] No - See Comments  
 Were all performance/acceptance standards for required QA/QC procedures achieved? [ ] Yes [ X ] No - See Comments  
 Were any significant modifications made to the VPH method, as specified in Sect 11.3? [ ] No [ X ] Yes - Details attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: 

POSITION: Organic Division Manager

PRINTED NAME: Richard Ravenelle

DATE: 1-10-00

## SOIL VPH MATRIX SPIKE / SPIKE DUPLICATE

AMRO ID # : 9911018-13a

Instrument# : VOA 2

Analysis Date : 12/03/99

Analyst : SK

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC.	QC LIMITS RECOVERY
Methyl-tert-butyl-ether	0.38	0.00	0.33	86.8	70 - 130
Benzene	0.38	0.00	0.38	99.3	70 - 130
Toluene	0.38	0.00	0.37	96.7	70 - 130
Ethyl Benzene	0.38	0.00	0.41	108	70 - 130
Xylene (m&p)	0.76	0.00	0.81	106	70 - 130
o-Xylene	0.38	0.00	0.40	104	70 - 130
Naphthalene	0.38	0.00	0.24	63.7	* 70 - 130

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC.	% RPD	QC LIMITS RPD	REC.
Methyl-tert-butyl-ether	0.38	0.35	92.6	4.14	25	70 - 130
Benzene	0.38	0.39	104	3.28	25	70 - 130
Toluene	0.38	0.38	100	1.78	25	70 - 130
Ethyl Benzene	0.38	0.39	104	5.27	25	70 - 130
Xylene (m&p)	0.75	0.77	103	4.64	25	70 - 130
o-Xylene	0.38	0.39	103	3.39	25	70 - 130
Naphthalene	0.38	0.36	95.4	38.4	* 25	70 - 130

RPD : 1 of 7 outside limits

Spike Recovery : 1 of 14 outside limits

\* Values outside of QC limits

Matrix Spike (MS) Data File : D7251.D

Matrix Spike Duplicate (MSD) Data File : D7252.D

## VPH SOIL SAMPLE / SAMPLE DUPLICATE AND RPD

AMRO Project ID : 9911018  
AMRO Duplicate ID : 9911018-11a  
Analysis Date : 3-Dec-99

Instrument # : Voa 2  
Analyst : sk

COMPOUND	SAMPLE CONCENTRATION (mg/Kg)	DUPLICATE CONCENTRATION (mg/Kg)	% RPD	QC LIMITS RPD
C5-C8 Aliphatic Hydrocarbons	ND	ND	0.0	50
C9-C12 Aliphatic Hydrocarbons	ND	ND	0.0	50
C9-C10 Aromatic Hydrocarbons	ND	ND	0.0	50
Methyl-tert-butylether	ND	ND	0.0	50
Benzene	ND	ND	0.0	50
Toluene	ND	ND	0.0	50
Ethylbenzene	ND	ND	0.0	50
m- & p-Xylenes	ND	ND	0.0	50
o-Xylene	ND	ND	0.0	50
Naphthalene	ND	ND	0.0	50

RPD : 0 of 10 outside limits

\* Values outside QC limits

Sample File: D7247.D

Duplicate File: D7248.D

AMRO Environmental Laboratories Corp.

## SOIL VPH LABORATORY CONTROL SAMPLE RECOVERY

AMRO Sample ID: [lcs 11/22/99] df=1MF=500 UG(8260\_MS)  
Run Date: 2 Dec 99 8:22 pm

Instrument# Voa 2  
Analyst sk

COMPOUND	SPIKE ADDED (mg/Kg)	BLANK CONCENTRATION (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC.	QC LIMITS RECOVERY
Methyl-tert-butyl-ether	0.50	0.00	0.43	86	70-130
Benzene	0.50	0.00	0.51	101	70-130
Toluene	0.50	0.00	0.48	96	70-130
Ethyl Benzene	0.50	0.00	0.51	102	70-130
Xylene (m&p)	1.00	0.00	1.00	100	70-130
Xylene(o)	0.50	0.00	0.49	99	70-130
Naphthalene	0.50	0.00	0.47	95	70-130

Spike Recovery: 0 out of 7 outside limits

Laboratory Control Sample (LCS) File# D7229.D



**LABORATORY REPORT  
PCBs - EPA METHOD 8082**

Client: Roy F. Weston, Inc.  
Client I.D.: Railroad Rd. House-SA71 Devens, MA  
Backfill Soil  
AMRO I.D.: 24881-01  
Date sampled: 11/23/99  
Date prepared: 11/26/99  
Sample Qty/Type: 1/Solid

Date Received: 11/23/99  
Date Analyzed: 11/29/99

<b>Test Parameter</b>	<b>Results (ug/Kg)</b>	<b>Reporting Limit(ug/Kg)</b>
PCB-1221	ND	26
PCB-1232	ND	26
PCB-1242 (1016)	ND	26
PCB-1248	ND	26
PCB-1254	ND	26
PCB-1260	ND	26

Solid Content = 96.0%. Results are in dry weight.  
ND = Not Detected at or above the reporting limit.

The Reporting Limit is defined as the lowest concentration  
the laboratory can accurately quantitate.

Analyzed By: RAP

**LABORATORY REPORT  
PCBs - EPA METHOD 8082**

Client: Roy F. Weston, Inc.

Client I.D.: Railroad Rd. House-SA71 Devens, MA

AMRO I.D.: Procedural Blank-11/26/99

Date prepared: 11/26/99

Date Analyzed: 11/29/99

Sample Qty/Type: 1/Solid

<b>Test Parameter</b>	<b>Results (ug/Kg)</b>	<b>Reporting Limit(ug/Kg)</b>
PCB-1221	ND	25
PCB-1232	ND	25
PCB-1242 (1016)	ND	25
PCB-1248	ND	25
PCB-1254	ND	25
PCB-1260	ND	25

ND = Not Detected at or above the reporting limit.

The Reporting Limit is defined as the lowest concentration  
the laboratory can accurately quantitate.

Analyzed By: RAP

## PCB SOIL SURROGATE RECOVERY

**AMRO Environmental Laboratories Corporation**

[illegible]

S1 (TCX) = Tetrachloro-m-xylene Column #1  
S2 (DCB) = Decachlorobiphenyl Column #1  
S3 (TCX) = Tetrachloro-m-xylene Column #2  
S4 (DCB) = Decachlorobiphenyl Column #2

## PCB SOIL LABORATORY CONTROL SAMPLE SPIKE RECOVERY

AMRO Project # : SA112699BK1 DF=1

Instrument# : ELVIS

Analysis Date : 11/29/1999

Analyst : RAP

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC.	QC LIMITS RECOVERY
3 1016 #1	497	0	505	102	67 - 116
3 1260 #1	497	0	547	110	55 - 122
3 1016 #2	497	0	472	95.0	67 - 116
B 1260 #2	497	0	548	110	55 - 122

ike Recovery 0 of 4 outside limits.

alues outside of QC limits

S Data File : E29NOV17.D

AMRO Environmental Laboratories Corp.

## PCB SOIL MATRIX SPIKE & MATRIX SPIKE DUPLICATE RECOVERY

AMRO Project # : 24881-01 DF=1  
Analysis Date : 11/29/1999

Instrument# : ELVIS  
Analyst : RAP

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC.	QC LIMITS RECOVERY
PCB 1016 #1	521	0	499	95.8	67 - 110
PCB 1260 #1	521	0	546	105	55 - 120
PCB 1016 #2	521	0	471	90.4	67 - 110
PCB 1260 #2	521	0	546	105	55 - 120

COMPOUND	SPIKE ADDED (ug/Kg)	MS DUP CONCENTRATION (ug/Kg)	MS DUP % REC	% RPD	QC LIMITS RPD	REC
PCB 1016 #1	519	529	102	5.84	50	67 - 110
PCB 1260 #1	519	576	111	5.35	50	55 - 120
PCB 1016 #2	519	489	94.2	3.75	50	67 - 110
PCB 1260 #2	519	560	108	2.53	50	55 - 120

Spike Recovery: 0 of 8 outside limits.

\*Values outside of QC limits

Matrix Spike Data File : E29NOV19.D

Matrix Spike Duplicate Data File : E29NOV20.D

RPD: 0 of 4 outside limits.

AMRO Environmental Laboratories Corp.



**LABORATORY REPORT  
PESTICIDES - EPA METHOD 8081A**

Client: Roy F. Weston, Inc.

Client I.D.: Railroad Rd. House SA71 Devens, MA

Backfill Soil

AMRO I.D.: 24881-01

Date sampled: 11/23/99

Date prepared: 11/26/99

Sample Qty/Type: 1/Solid

Date received: 11/23/99

Date analyzed: 11/30/99

<b>Test Parameter</b>	<b>Results (ug/kg)</b>	<b>Reporting Limit (ug/kg)</b>
alpha-BHC	ND	0.82
beta-BHC	ND	0.82
delta-BHC	ND*	0.82
gamma-BHC (Lindane)	ND	0.82
Heptachlor	ND	0.82
Aldrin	ND	0.82
Heptachlor Epoxide	ND	0.82
Endosulfan I	ND	0.82
alpha-Chlordane	ND	0.82
gamma-Chlordane	ND	0.82
Dieldrin	ND	1.6
4,4'-DDE	ND	1.6
Endrin	ND	1.6
Endosulfan II	ND	1.6
4,4'-DDD	ND	1.6
Endrin Aldehyde	ND	1.6
Endrin Ketone	ND	1.6
Endosulfan Sulfate	ND	1.6
4,4'-DDT	ND*	1.6
Methoxychlor	ND	8.2
Toxaphene	ND	26

Solid Content = 96.0%. Results are in dry weight.

ND = Not Detected at or above the reporting limit.

The Reporting Limit is defined as the lowest concentration the laboratory can accurately quantitate.

\* = Estimated result. See Non-Conformance Summary.

Analyzed By: KEM

**LABORATORY REPORT  
PESTICIDES - EPA METHOD 8081A**

Client: Roy F. Weston, Inc.  
Client I.D.: Railroad Rd. House SA71 Devens, MA  
AMRO I.D.: Procedural Blank-11/26/99  
Date prepared: 11/26/99  
Sample Qty/Type: 1/Solid

Date analyzed: 11/30/99

<b><u>Test Parameter</u></b>	<b><u>Results (ug/kg)</u></b>	<b><u>Reporting Limit (ug/kg)</u></b>
alpha-BHC	ND	0.79
beta-BHC	ND	0.79
delta-BHC	ND*	0.79
gamma-BHC (Lindane)	ND	0.79
Heptachlor	ND	0.79
Aldrin	ND	0.79
Heptachlor Epoxide	ND	0.79
Endosulfan I	ND	0.79
alpha-Chlordane	ND	0.79
gamma-Chlordane	ND	0.79
Dieldrin	ND	1.6
4,4'-DDE	ND	1.6
Endrin	ND	1.6
Endosulfan II	ND	1.6
4,4'-DDD	ND	1.6
Endrin Aldehyde	ND	1.6
Endrin Ketone	ND	1.6
Endosulfan Sulfate	ND	1.6
4,4'-DDT	ND*	1.6
Methoxychlor	ND	7.9
Toxaphene	ND	25

ND = Not Detected at or above the reporting limit.

The Reporting Limit is defined as the lowest concentration the laboratory can accurately quantitate.

\* = Estimated result. See Non-Conformance Summary.

Analyzed By: KEM

**AMRO Environmental Laboratories Corporation**

S1 (TCX) = Tetrachloro-m-xylene Column #1  
S2 (DCB) = Decachlorobiphenyl Column #1  
S3 (TCX) = Tetrachloro-m-xylene Column #2  
S4 (DCB) = Decachlorobiphenyl Column #2

## PESTICIDE SOIL LABORATORY CONTROL SAMPLE SPIKE RECOVERY

AMRO Project # : SP112699BK1 DF=1  
Analysis Date : 11/30/99

Instrument# : TRENT  
Analyst : KEM

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC.	QC LIMITS RECOVERY
gamma-BHC	9.93	0	9.36	94.3	40 - 141
Heptachlor	9.93	0	7.18	72.3	47 - 137
Aldrin	9.93	0	8.82	88.8	45 - 140
Dieldrin	24.8	0	22.4	90.3	43 - 150
Endrin	24.8	0	34.7	140	43 - 184
4,4'-DDT	24.8	0	19.5	78.6	38 - 153
gamma-BHC #2	9.93	0	12.1	122	40 - 141
Heptachlor #2	9.93	0	10.4	105	47 - 137
Aldrin #2	9.93	0	11.2	113	45 - 140
Dieldrin #2	24.8	0	31.0	125	43 - 150
Endrin #2	24.8	0	35.5	143	43 - 184
4,4'-DDT #2	24.8	0	29.0	117	38 - 153

Spike Recovery 0 of 12 outside limits.

\*Values outside of QC limits

LCS Data File : 30NOV14T.D

AMRO Environmental Laboratories Corp.

# SOIL PEST MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

AMRO Project # : 24881-01 DF=1  
Analysis Date : 11/30/99

Instrument# : TRENT  
Analyst : KEM

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC.	QC LIMITS RECOVERY
gamma-BHC	10.3	0	10.2	99.0	40 - 141
Heptachlor	10.3	0	7.76	75.3	47 - 137
Aldrin	10.3	0	9.05	87.9	45 - 140
Dieldrin	25.7	0	23.9	93.0	43 - 150
Endrin	25.7	0	38.7	151	43 - 184
4,4'-DDT	25.7	0	21.1	82.1	38 - 153
gamma-BHC #2	10.3	0	11.7	114	40 - 141
Heptachlor #2	10.3	0	10.2	99.0	47 - 137
Aldrin #2	10.3	0	10.9	106	45 - 140
Dieldrin #2	25.7	0	29.7	116	43 - 150
Endrin #2	25.7	0	34.3	133	43 - 184
4,4'-DDT #2	25.7	0	27.8	108	38 - 153

COMPOUND	SPIKE ADDED (ug/Kg)	MS DUP CONCENTRATION (ug/Kg)	MS DUP % REC	% RPD	QC LIMITS RPD REC
gamma-BHC	10.2	9.49	93.0	7.2	50 40 - 141
Heptachlor	10.2	7.28	71.4	6.4	31 47 - 137
Aldrin	10.2	8.54	83.7	5.8	43 45 - 140
Dieldrin	25.5	22.4	87.8	6.5	38 43 - 150
Endrin	25.5	36.7	144	5.3	45 43 - 184
4,4'-DDT	25.5	19.2	75.3	9.4	50 38 - 153
gamma-BHC #2	10.2	11.5	113	1.7	50 40 - 141
Heptachlor #2	10.2	9.97	97.7	2.3	31 47 - 137
Aldrin #2	10.2	10.8	106	0.9	43 45 - 140
Dieldrin #2	25.5	30.1	118	1.3	38 43 - 150
Endrin #2	25.5	34.6	136	0.9	45 43 - 184
4,4'-DDT #2	25.5	27.3	107	1.8	50 38 - 153

Spike Recovery: 0 of 24 outside limits.

\*Values outside of QC limits

Matrix Spike Data File : 30NOV16T.D

Matrix Spike Duplicate Data File : 30NOV17T.D

RPD: 0 of 12 outside limits.

AMRO Environmental Laboratories Corp.



## Laboratory Report Extractable Petroleum Hydrocarbons (EPH)

### EPH ANALYTICAL RESULTS

Extraction Method: EPA 3541	Client ID	Backfill Soil					
Method for Ranges: MADEP EPH 98-1							
Method for Target Analytes: MADEP EPH 98-1	AMRO Lab ID	24881-01		P.Blank-11/26/99			
EPH Surrogate Standards - Extraction	Date Collected	11/23/99		N/A			
Aliphatic: 1-Chlorooctadecane	Date Received	11/23/99		N/A			
Aromatic: o-Terphenyl	Date Extracted	11/26/99		11/26/99			
EPH Surrogate Standards - Analysis	Date Analyzed	11/30/99		11/30/99			
2-Fluorobiphenyl	Dilution Factor	1		1			
2-Bromonaphthalene	% Solids	96.0		N/A			
Range/Target Analyte	UNITS	RESULTS	RL	RESULTS	RL	RESULTS	RL
C <sub>9</sub> -C <sub>18</sub> Aliphatic Hydrocarbons <sup>1</sup>	mg/Kg	ND	52	ND	50		
C <sub>19</sub> -C <sub>35</sub> Aliphatic Hydrocarbons <sup>1</sup>	mg/Kg	ND	52	ND	50		
C <sub>11</sub> -C <sub>22</sub> Aromatic Hydrocarbons <sup>1,2</sup>	mg/Kg	ND	52	ND	50		
Naphthalene	mg/Kg	ND	0.26	ND	0.25		
2-Methylnaphthalene	mg/Kg	ND	0.26	ND	0.25		
Acenaphthylene	mg/Kg	ND	0.26	ND	0.25		
Acenaphthene	mg/Kg	ND	0.26	ND	0.25		
Fluorene	mg/Kg	ND	0.26	ND	0.25		
Phenanthrene	mg/Kg	ND	0.26	ND	0.25		
Anthracene	mg/Kg	ND	0.26	ND	0.25		
Fluoranthene	mg/Kg	ND	0.26	ND	0.25		
Pyrene	mg/Kg	ND	0.26	ND	0.25		
Benzo(a)Anthracene	mg/Kg	ND	0.26	ND	0.25		
Chrysene	mg/Kg	ND	0.26	ND	0.25		
Benzo(b)fluoranthene	mg/Kg	ND	0.26	ND	0.25		
Benzo(k)fluoranthene	mg/Kg	ND	0.26	ND	0.25		
Benzo(a)pyrene	mg/Kg	ND	0.26	ND	0.25		
Dibenzo(a,h)anthracene	mg/Kg	ND	0.26	ND	0.25		
Indeno(1,2,3-cd)pyrene	mg/Kg	ND	0.26	ND	0.25		
Benzo(g,h,i)perylene	mg/Kg	ND	0.26	ND	0.25		
2-Fluorobiphenyl % Recovery	%	93.6	N/A	94.6	N/A		
2-Bromonaphthalene % Recovery	%	86.3	N/A	89.6	N/A		
o-Terphenyl % Recovery	%	82.1	N/A	86.9	N/A		
1-Chlorooctadecane % Recovery	%	100	N/A	99.8	N/A		
Surrogate Acceptance Range	%	40-140%	40-140%	40-140%	40-140%	40-140%	40-140%

<sup>1</sup> Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

<sup>2</sup> C<sub>11</sub>-C<sub>22</sub> Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

N/A = Not Applicable


ND = Not Detected at or above the Reporting Limit (RL) indicated.

COMMENTS: See Non-Conformance Summary.

### CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - See Comments  
 Were all performance/acceptance standards for required QA/QC procedures achieved? ☐ Yes ☒ No - See Comments  
 Were any significant modifications made to the EPH method, as specified in Sect 11.3? ☐ No ☒ Yes - Details attached

*I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.*

SIGNATURE: 

POSITION: Organic Division Manager

PRINTED NAME: Richard Ravenelle

DATE: 1-10-00

# EPH SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

AMRO Project # : 24881-01

Instrument# : SV1

Analysis Date : 11/30/99

Analyst : RKK

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC.	QC LIMITS RECOVERY
ane	1.29	0	1	77.5	40 - 140
halene	1.29	0	1.08	83.7	40 - 140
adecane	1.29	0	1.56	120.9	40 - 140
aphthene	1.29	0	0.94	72.9	40 - 140
acene	1.29	0	1.1	85.3	40 - 140
adecane	1.29	0	1.61	124.8	40 - 140
osane	1.29	0	1.52	117.8	40 - 140
ie	1.29	0	1.01	78.3	40 - 140
sene	1.29	0	0.93	72.1	40 - 140
tacosane	1.29	0	1.32	102.3	40 - 140

Recovery 0 of 10 outside limits.

ies outside of QC limits

x Spike (MS) Data File : C8102.D

O Environmental Laboratories Corp.

## EPH SOIL SAMPLE / SAMPLE DUPLICATE AND RPD

Amro Project ID : 24888-06  
 Amro Duplicate ID : 24888-06DP  
 Analysis Date : 30-Nov-99

Instrument # : SV1  
 Analyst : RKK

COMPOUND	SAMPLE CONCENTRATION (mg/Kg)	DUPLICATE CONCENTRATION (mg/Kg)	% RPD	QC LIMITS RPD
C9-C18 ALIPHATICS	0	0	0.0	50
C19-C36 ALIPHATICS	0	0	0.0	50
C11-C22 AROMATICS	0	0	0.0	50
NAPHTHALENE	0	0	0.0	50
2-METHYLNAPHTHALENE	0	0	0.0	50
ACENAPHTHYLENE	0	0	0.0	50
ACENAPHTHENE	0	0	0.0	50
FLUORENE	0	0	0.0	50
PHENANTHRENE	0.533	0.127	123.0	* 50
ANTHRACENE	0	0	0.0	50
FLUORANTHENE	0.448	0.174	88.1	* 50
PYRENE	0.376	0.151	85.4	* 50
BENZO(A)ANTHRACENE	0	0	0.0	50
CHRYSENE	0	0	0.0	50
BENZO(B)FLUORANTHEN	0	0	0.0	50
BENZO(K)FLUORANTHEN	0	0	0.0	50
BENZO(A)PYRENE	0	0	0.0	50
DIBENZO(A,H)ANTHRACE	0	0	0.0	50
INDENO(1,2,3-CD)PRYENE	0	0	0.0	50
BENZO(G,H,I)PERYLENE	0	0	0.0	50

\* Values outside QC limits

RPD: 3 of 20 outside limits.

Sample File: C8108.D

Duplicate File: C8109.D

Amro Environmental Laboratories Corp.

# EPH SOIL LABORATORY CONTROL SAMPLE SPIKE RECOVERY

AMRO Project # : BLK112699

Instrument# : SV1

Analysis Date : 11/30/99

Analyst : RKK

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC.	QC LIMITS RECOVERY
ane	1.25	0	1.04	83.2	40 - 140
halene	1.25	0	0.991	79.3	40 - 140
adecane	1.25	0	1.36	108.8	40 - 140
iphtene	1.25	0	0.988	79.0	40 - 140
acene	1.25	0	1.02	81.6	40 - 140
adecane	1.25	0	1.43	114.4	40 - 140
osane	1.25	0	1.39	111.2	40 - 140
e	1.25	0	0.99	79.2	40 - 140
ene	1.25	0	0.884	70.7	40 - 140
acosane	1.25	0	1.1	88.0	40 - 140

Recovery 0 of 10 outside limits.

es outside of QC limits

Data File : C8100.D

Environmental Laboratories Corp.

112699S.LCS

Amro Environmental Laboratories Corp.

## AMRO Environmental Laboratory Report Revised Report

Client:  
Roy F. Weston, Inc.  
P.O. Box 425  
Ayer, MA 01433

Client Designation:  
Railroad Rd. House SA71 Devens, MA

Attn: Mr. Sam Naik

Samples Qty/Type: 1/Solid

AMRO Designation: 24881  
Date Sampled: 11/23/99  
Date Rec'd: 11/23/99  
Date Complete: 12/03/99  
COC #: 30240

Sample Identity	AMRO Identity	Test Parameter	Results	Units	Date of Analysis	Run by	EPA Method
Backfill Soil	24881-01	Digestion			11/24/99	GS	3051
		Digestion-Mercury			11/24/99	CM	7471
		Total Solids	96.0	%	11/23/99	MDM	25400
		Arsenic, Total	<6.5	mg/Kg	11/26/99	REB	6010
		Barium, Total	<26.	mg/Kg	11/26/99	REB	6010
		Cadmium, Total	<0.65	mg/Kg	11/26/99	REB	6010
		Chromium, Total	7.4	mg/Kg	11/26/99	REB	6010
		Lead, Total	<6.5	mg/Kg	11/26/99	REB	6010
		Mercury, Total	<0.024	mg/Kg	11/24/99	CM	7471
		Selenium, Total	<10.	mg/Kg	11/26/99	REB	6010
		Silver, Total	<1.8	mg/Kg	11/26/99	REB	6010

Results are in dry weight.

All analyses performed in accordance with:

USEPA Methods of Chemical Analysis for Water & Waste.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992. and USEPA SW846 Manual, 3rd. ed.

The following standard abbreviations and conventions apply throughout all sections:

< = 'Less than' followed by the detection limit.

> = 'Greater than'



## SOIL METALS METHOD BLANK

AMRO Project # : 24881

ANALYTE	Date of Analysis	Preparation Blank (mg/L)	Method
Arsenic	11/26/99	0.0076	6010
Barium	11/26/99	0.0006	6010
Cadmium	11/26/99	0.0017	6010
Chromium	11/26/99	0.0099	6010
Lead	11/26/99	0.0022	6010
Mercury	11/24/99	0.00007	7471
Selenium	11/26/99	0.0317	6010
Silver	11/26/99	0.0012	6010

Note:

**SOIL METALS LABORATORY CONTROL SAMPLE**

AMRO Project #: 24881

<b>ANALYTE</b>	<b>Date of Analysis</b>	<b>TRUE (mg/L)</b>	<b>FOUND (mg/L)</b>	<b>RECOVERY % *</b>	<b>METHOD</b>
Arsenic	11/26/99	4.00	4.03	101	6010
Barium	11/26/99	4.00	4.26	107	6010
Cadmium	11/26/99	0.800	0.818	102	6010
Chromium	11/26/99	4.00	4.01	100.3	6010
Lead	11/26/99	4.00	4.15	104	6010
Selenium	11/26/99	4.00	3.99	99.8	6010
Silver	11/26/99	0.400	0.387	96.8	6010
Mercury	11/24/99	0.0050	0.0053	106	7471

\* Control Limits : 80-120%

Note:

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**APPENDIX B**

**ANALYTICAL RESULTS OF CONFIRMATORY SOIL SAMPLING**

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## AMRO Environmental Laboratory Report

Page 1 of 2

Client:  
Roy F. Weston, Inc.  
P.O. Box 425  
Ayer, MA 01433

Client Designation:  
SA71 Railroad RD House Devens, MA

Attn: Mr. Sam Naik

Samples Qty/Type: 6/Solid

AMRO Designation: 24930  
Date Sampled: 11/30/99  
Date Rec'd: 11/30/99  
Date Complete: 12/06/99

Sample Entity	AMRO Identity	Test Parameter	Results	Units	Date of Analysis	Run by	EPA Method
71-S1	24930-01	Digestion			12/01/99	RK	3051
		Total Solids	75.3	%	12/03/99	SEL	2540G
		Antimony, Total	43.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	12.	mg/Kg	12/03/99	APL	7060
		Lead, Total	3,000.	mg/Kg	12/02/99	REB	6010
71-S2	24930-02	Digestion			12/01/99	RK	3051
		Total Solids	72.1	%	12/03/99	SEL	2540G
		Antimony, Total	S 38.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	38.	mg/Kg	12/03/99	APL	7060
		Lead, Total	570.	mg/Kg	12/06/99	REB	6010
71-S3	24930-03	Digestion			12/01/99	RK	3051
		Total Solids	76.9	%	12/03/99	SEL	2540G
		Antimony, Total	S 6.7	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	32.	mg/Kg	12/02/99	APL	7060
		Lead, Total	100.	mg/Kg	12/02/99	REB	6010
71-S4	24930-04	Digestion			12/01/99	RK	3051
		Total Solids	73.4	%	12/03/99	SEL	2540G
		Antimony, Total	S 14.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	S 32.	mg/Kg	12/03/99	APL	7060
		Lead, Total	130.	mg/Kg	12/02/99	REB	6010
71-S5	24930-05	Digestion			12/01/99	RK	3051
		Total Solids	93.5	%	12/03/99	SEL	2540G
		Antimony, Total	14.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	S 16.	mg/Kg	12/03/99	APL	7060
		Lead, Total	110.	mg/Kg	12/02/99	REB	6010

Continued next page . . .

Sample Identity	AMRO Identity	Test Parameter	Results	Units	Date of Analysis	Run by	EPA Meth
SA71-S6	24930-06	Digestion			12/01/99	RK	305
		Total Solids	92.5	%	12/03/99	SEL	254
		Antimony, Total	S 4.6 E	mg/Kg	12/03/99	APL	704
		Arsenic, Total	12.	mg/Kg	12/03/99	APL	706
		Lead, Total	74.	mg/Kg	12/02/99	REB	601

Results are in dry weight.

All analyses performed in accordance with:

USEPA Methods of Chemical Analysis for Water & Waste.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992. and USEPA SW846 Manual, 3rd. ed.

The following standard abbreviations and conventions apply throughout all sections:

< = 'Less than' followed by the detection limit.

> = 'Greater than'

S = Sample concentration was determined by a method of standard addition.

E = Estimated due to sample non-homogeneity.



**SOIL METALS METHOD BLANK**

AMRO Project # : 24930

ANALYTE	Date of Analysis	Preparation Blank (mg/L)	Method
Antimony	12/2/99	0.0001	7041
Arsenic	12/2/99	0.0009	7060
Lead	12/2/99	-0.0004	6010

Note:

**SOIL METALS LABORATORY CONTROL SAMPLE**

AMRO Project # : 24930

ANALYTE	Date of Analysis	TRUE (mg/L)	FOUND (mg/L)	RECOVERY % *	METHOD
Antimony	12/2/99	0.050	0.052	104	7041
Arsenic	12/2/99	0.050	0.052	104	7060
Lead	12/2/99	4.00	4.00	100	6010

\* Control Limits : 80-120%

Note:

## SOIL METALS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

AMRO Project # : 24930

AMRO Sample ID:  
24930-06

COMPOUND (Method #)	SPIKE ADDED (mg/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (mg/kg)	MS % REC.	QC LIMITS RECOVERY
Antimony (7041)	6.69	4.58	11.4	102	75-125
Arsenic (7060)	6.69	11.7	19.1	111	75-125
Lead (6010)	515	74.0	660	114	75-125

\* Values outside of QC limits.

Note:

COMPOUND (Method #)	SPIKE ADDED (mg/kg)	MSD CONCENTRATION (mg/kg)	MSD % REC.	% RPD	QC LIMITS RPD REC.
Antimony (7041)	6.51	19.1	223	*	50.5 * 20 75-125
Arsenic (7060)	6.51	17.3	86	9.9	20 75-125
Lead (6010)	539	705	117	6.6	20 75-125

Values outside of QC limits.

RPD: 1 out of 3 outside limits

Spike Recovery: 1 out of 6 outside limits

Note:

**AMRO Environmental Laboratories Corp.****Date:** 10-Dec-99

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**CLIENT:** Roy F. Weston, Inc.  
**Project:** SA71 Devens, MA  
**Lab Order:** 9912012  
**Date Received:** 12/6/99

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**Work Order Sample Summary**

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Lab Sample ID	Client Sample ID	Tag Number	Collection Date
9912012-01A	TEST PIT-11		12/6/99
9912012-02A	TEST PIT-12		12/6/99
9912012-03A	TEST PIT-21		12/6/99
9912012-04A	TEST PIT-22		12/6/99

---

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912012  
**Project:** SA71 Devens, MA  
**Lab ID:** 9912012-01A

**Client Sample ID:** TEST PIT-11  
**Tag Number:**  
**Collection Date:** 12/6/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				<b>Analyst: REB</b>
Antimony	31	6.2		mg/Kg-dry	1	12/7/99 4:59:12 PM
Arsenic	20	7.7		mg/Kg-dry	1	12/7/99 4:59:12 PM
Lead	430	7.7		mg/Kg-dry	1	12/7/99 4:59:12 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	25.0	0		wt%	1	12/7/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912012  
**Project:** SA71 Devens, MA  
**Lab ID:** 9912012-02A

**Client Sample ID:** TEST PIT-12  
**Tag Number:**  
**Collection Date:** 12/6/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				Analyst: REB
Antimony	40	6.5		mg/Kg-dry	1	12/7/99 5:04:20 PM
Arsenic	39	8.1		mg/Kg-dry	1	12/7/99 5:04:20 PM
Lead	610	8.1		mg/Kg-dry	1	12/7/99 5:04:20 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				Analyst: MM
Percent Moisture	27.4	0		wt%	1	12/7/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912012  
**Project:** SA71 Devens, MA  
**Lab ID:** 9912012-03A

**Client Sample ID:** TEST PIT-21  
**Tag Number:**  
**Collection Date:** 12/6/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>		Analyst: <b>REB</b>		
Antimony	23	6.2		mg/Kg-dry	1	12/7/99 5:09:26 PM
Arsenic	28	7.7		mg/Kg-dry	1	12/7/99 5:09:26 PM
Lead	1,500	7.7		mg/Kg-dry	1	12/7/99 5:09:26 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>		Analyst: <b>MM</b>		
Percent Moisture	20.4	0		wt%	1	12/7/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912012  
**Project:** SA71 Devens, MA  
**Lab ID:** 9912012-04A

**Client Sample ID:** TEST PIT-22  
**Tag Number:**  
**Collection Date:** 12/6/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				Analyst: REB
Antimony	41	5.9		mg/Kg-dry	1	12/7/99 5:14:32 PM
Arsenic	20	7.4		mg/Kg-dry	1	12/7/99 5:14:32 PM
Lead	970	7.4		mg/Kg-dry	1	12/7/99 5:14:32 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				Analyst: MM
Percent Moisture	20.6	0		wt%	1	12/7/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# CHAIN OF CUSTODY RECORD

Proj. No.		Project Name SA71- BEVENS. MA				Project State MA		MATRIX Water - A Soil/Solid-S Waste-W Other-Q Explain		<div style="text-align: right;">PAGE <u>1</u> OF <u>1</u></div> <div style="transform: rotate(-45deg); position: absolute; top: 10px; left: 10px;">             Pb, Sb &amp; As by ICP (OK)              (Total Note)           </div>									
Samplers (Signature) <i>[Signature]</i> (S-NAIK)						Type Size, & No. of Containers													
Sta. No.	Date	Time	Comp	Grab	Station Location													Remarks	
	12/6/99	1300	X		TEST PIT - 11	8/802/1	S	X											
	12/6/99	1300	X		TEST PIT-12	8/802/1	S	X											
	12/6/99	1400	X		TEST PIT - 21	8/802/1	S	X											
	12/6/99	1400	X		TEST PIT- 22	8/802/1	S	Y											

Please print clearly, legibly and completely. Samples cannot be logged in and the turnaround time clock will not start until any ambiguities are resolved.

**PRIORITY TURNAROUND TIME AUTHORIZATION**

Before submitting samples for expedited T.A.T., you must have requested in advance and received a coded T.A.T. AUTHORIZATION NUMBER.

AUTHORIZATION NO. \_\_\_\_\_ T.A.T. authorized by: 1

Relinquished by (Signature) <i>[Signature]</i>	Date Time 12/6/99 1400	Received by (Signature) <i>[Signature]</i>	<input checked="" type="checkbox"/> Fax to (phone) 978-772-7251 Results needed _____ PO# _____	Send Results to: Sam Naik, Roy F. Weston, Jr. PO Box 425 AVER, MA - 01432
Relinquished by (Signature)	Date Time	Received by (Signature)		
Relinquished by (Signature)	Date Time	Received by (Signature)	AMRO Project No. 9912012	Remarks 24-TAT; Fax results to Sam Naik Analyze all by <u>ICP Method</u>
Relinquished by (Signature) <i>[Signature]</i>	Date Time 12/6/99 15:15	Received for Laboratory by (Signature) <i>[Signature]</i>	Seal Intact? Yes No N/A	

**AMRO Environmental Laboratories Corp.****Date:** 10-Dec-99

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**CLIENT:** Roy F. Weston, Inc.  
**Project:** SA71-Railroad Roundhouse, Devens, MA  
**Lab Order:** 9912044  
**Date Received:** 12/8/99

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**Work Order Sample Summary**

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>
9912044-01A	SA71-FL1		12/8/99
9912044-02A	SA71-FL2		12/8/99
9912044-03A	SA71-FL3		12/8/99
9912044-04A	SA71-FL4		12/8/99
9912044-05A	SA71-FL4 DUP		12/8/99
9912044-06A	SA71-FL3-MS/MSD		12/8/99

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**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-FL1
<b>Lab Order:</b>	9912044	<b>Tag Number:</b>	
<b>Project:</b>	SA71-Railroad Roundhouse, Devens, MA	<b>Collection Date:</b>	12/8/99
<b>Lab ID:</b>	9912044-01A	<b>Matrix:</b>	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				Analyst: RK
Antimony	34	4.9		mg/Kg	1	12/8/99 5:33:31 PM
Arsenic	18	6.1		mg/Kg	1	12/8/99 5:33:31 PM
Lead	570	6.1		mg/Kg	1	12/8/99 5:33:31 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MM
Percent Moisture	23.6	0		wt%	1	12/8/99

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-FL2
<b>Lab Order:</b>	9912044	<b>Tag Number:</b>	
<b>Project:</b>	SA71-Railroad Roundhouse, Devens, MA	<b>Collection Date:</b>	12/8/99
<b>Lab ID:</b>	9912044-02A	<b>Matrix:</b>	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				Analyst: RK
Antimony	18	4.5		mg/Kg	1	12/8/99 5:49:04 PM
Arsenic	19	5.7		mg/Kg	1	12/8/99 5:49:04 PM
Lead	570	5.7		mg/Kg	1	12/8/99 5:49:04 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				Analyst: MM
Percent Moisture	23.6	0		wt%	1	12/8/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 10-Dec-99

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-FL3
<b>Lab Order:</b>	9912044	<b>Tag Number:</b>	
<b>Project:</b>	SA71-Railroad Roundhouse, Devens, MA	<b>Collection Date:</b>	12/8/99
<b>Lab ID:</b>	9912044-03A	<b>Matrix:</b>	SOIL

<b>Analyses</b>	<b>Result</b>	<b>Limit</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Antimony	25	4.9		mg/Kg	1	12/8/99 5:54:21 PM
Arsenic	29	6.1		mg/Kg	1	12/8/99 5:54:21 PM
Lead	990	6.1		mg/Kg	1	12/8/99 5:54:21 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	23.7	0		wt%	1	12/8/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-FL4
<b>Lab Order:</b>	9912044	<b>Tag Number:</b>	
<b>Project:</b>	SA71-Railroad Roundhouse, Devens, MA	<b>Collection Date:</b>	12/8/99
<b>Lab ID:</b>	9912044-04A	<b>Matrix:</b>	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Antimony	31	4.9		mg/Kg	1	12/8/99 5:59:30 PM
Arsenic	24	6.2		mg/Kg	1	12/8/99 5:59:30 PM
Lead	700	6.2		mg/Kg	1	12/8/99 5:59:30 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	28.4	0		wt%	1	12/8/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 10-Dec-99**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-FL4 DUP**Lab Order:** 9912044**Tag Number:****Project:** SA71-Railroad Roundhouse, Devens, MA**Collection Date:** 12/8/99**Lab ID:** 9912044-05A**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Antimony	32	4.5		mg/Kg	1	12/8/99 6:04:46 PM
Arsenic	23	5.6		mg/Kg	1	12/8/99 6:04:46 PM
Lead	940	5.6		mg/Kg	1	12/8/99 6:04:46 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	27.2	0		wt%	1	12/8/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-FL3-MS/MSD
<b>Lab Order:</b>	9912044	<b>Tag Number:</b>	
<b>Project:</b>	SA71-Railroad Roundhouse, Devens, MA	<b>Collection Date:</b>	12/8/99
<b>Lab ID:</b>	9912044-06A	<b>Matrix:</b>	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Antimony	29	4.7		mg/Kg	1	12/8/99 5:14:47 PM
Arsenic	21	5.9		mg/Kg	1	12/8/99 5:14:47 PM
Lead	920	5.9		mg/Kg	1	12/8/99 5:14:47 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	19.7	0		wt%	1	12/8/99

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	



## CHAIN OF CUSTODY RECORD

Proj. No.		Project Name SA71 - RAILROAD ROUNDHOUSE, DEWENS, MA.				Project State MA		MATRIX Water - A Soil/Solid-S Waste-W Other-O Explain		PAGE 1 OF 1									
Samplers (Signature) <i>[Signature]</i> (S. NAIK)						Type Size, & No. of Containers		<div style="text-align: center;"> <i>Sp, As, Pb (Total Metals) by ICP</i> </div>											
Sta. No.	Date	Time	Comp	Grab	Station Location													Remarks	
	12/8/99	0900	X		SA71 - FL1	gl/802/1	S	X											
	12/8/99	0910	X		SA71 - FL2	gl/802/1	S	X											
		0920	X		SA71 - FL3	gl/802/1	S	X											
		0930	Y		SA71 - FL4	gl/802/1	S	X											
		0930	X		SA71 - FL4 DUP	gl/802/1	S	X										FIELD DUPLICATE	
	✓	0920	X		SA71 - FL3-MS/MSD	gl/802/1	S	X										MS/MSD	

Please print clearly, legibly and completely. Samples cannot be logged in and the turnaround time clock will not start until any ambiguities are resolved.

## PRIORITY TURNAROUND TIME AUTHORIZATION

Before submitting samples for expedited T.A.T., you must have requested in advance and received a coded T.A.T. AUTHORIZATION NUMBER.

AUTHORIZATION NO. \_\_\_\_\_ T.A.T. authorized by: \_\_\_\_\_

Relinquished by (Signature) <i>[Signature]</i> (S. NAIK)	Date Time 12/8/99/10:00	Received by (Signature) <i>[Signature]</i> 11:00	<input checked="" type="checkbox"/> Fax to (phone) 078-772-7251 Results needed PO#	Send Results to: SAM NAIK Roy F. WESTON, Inc. PO Box 425 Andover, MA 01432
Relinquished by (Signature)	Date Time	Received by (Signature)	AMRO Project No. 9912044	Remarks results 24-hr. TAT - Report by 1200 hrs 12/9/99
Relinquished by (Signature) <i>[Signature]</i>	Date Time 12:21	Received for Laboratory by: (Signature) <i>[Signature]</i>	Seal Intact? Yes No N/A	

**AMRO Environmental Laboratories Corp.****Date:** 10-Dec-99**CLIENT:** Roy F. Weston, Inc.**Project:** SA71-Devens MA**Lab Order:** 9912069**Date Received:** 12/9/99**Work Order Sample Summary**

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>
9912069-01A	SA71-S12		12/9/99
9912069-02A	SA71-S22		12/9/99
9912069-03A	SA71-S32		12/9/99
9912069-04A	SA71-S42		12/9/99
9912069-05A	SA71-S52		12/9/99
9912069-06A	SA71-HS1		12/9/99
9912069-07A	SA71-HS2		12/9/99

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912069  
**Project:** SA71-Devens MA  
**Lab ID:** 9912069-01A

**Client Sample ID:** SA71-S12  
**Tag Number:**  
**Collection Date:** 12/9/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				Analyst: RK
Antimony	36	6.3		mg/Kg-dry	1	12/10/99 12:28:52 PM
Arsenic	28	7.9		mg/Kg-dry	1	12/10/99 12:28:52 PM
Lead	670	7.9		mg/Kg-dry	1	12/10/99 12:28:52 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MM
Percent Moisture	21.4	0		wt%	1	12/9/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 10-Dec-99**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912069  
**Project:** SA71-Devens MA  
**Lab ID:** 9912069-02A**Client Sample ID:** SA71-S22  
**Tag Number:**  
**Collection Date:** 12/9/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				Analyst: RK
Antimony	13	5.6		mg/Kg-dry	1	12/10/99 12:34:02 PM
Arsenic	13	6.9		mg/Kg-dry	1	12/10/99 12:34:02 PM
Lead	140	6.9		mg/Kg-dry	1	12/10/99 12:34:02 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MM
Percent Moisture	13.3	0		wt%	1	12/9/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912069  
**Project:** SA71-Devens MA  
**Lab ID:** 9912069-03A

**Client Sample ID:** SA71-S32  
**Tag Number:**  
**Collection Date:** 12/9/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<hr/>						
ICP METALS, 3051/6010		SW6010B				Analyst: RK
Antimony	2,900	5.5		mg/Kg-dry	1	12/10/99 12:39:16 PM
Arsenic	82	6.8		mg/Kg-dry	1	12/10/99 12:39:16 PM
Lead	19,000	6.8	E	mg/Kg-dry	1	12/10/99 12:39:16 PM
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	16.5	0		wt%	1	12/9/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 10-Dec-99**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912069  
**Project:** SA71-Devens MA  
**Lab ID:** 9912069-04A**Client Sample ID:** SA71-S42  
**Tag Number:**  
**Collection Date:** 12/9/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Antimony	6.1	5.1		mg/Kg-dry	1	12/10/99 12:44:25 PM
Arsenic	14	6.4		mg/Kg-dry	1	12/10/99 12:44:25 PM
Lead	100	6.4		mg/Kg-dry	1	12/10/99 12:44:25 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	8.4	0		wt%	1	12/9/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912069  
**Project:** SA71-Devens MA  
**Lab ID:** 9912069-05A

**Client Sample ID:** SA71-S52  
**Tag Number:**  
**Collection Date:** 12/9/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<hr/>						
ICP METALS, 3051/6010		SW6010B				Analyst: RK
Antimony	17	5.2		mg/Kg-dry	1	12/10/99 12:49:31 PM
Arsenic	15	6.5		mg/Kg-dry	1	12/10/99 12:49:31 PM
Lead	390	6.5		mg/Kg-dry	1	12/10/99 12:49:31 PM
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	6.1	0		wt%	1	12/9/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912069  
**Project:** SA71-Devens MA  
**Lab ID:** 9912069-06A

**Client Sample ID:** SA71-HS1  
**Tag Number:**  
**Collection Date:** 12/9/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Antimony	25	7.1		mg/Kg-dry	1	12/10/99 12:54:43 PM
Arsenic	9.4	8.9		mg/Kg-dry	1	12/10/99 12:54:43 PM
Lead	380	8.9		mg/Kg-dry	1	12/10/99 12:54:43 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	33.1	0		wt%	1	12/9/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 10-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912069  
**Project:** SA71-Devens MA  
**Lab ID:** 9912069-07A

**Client Sample ID:** SA71-HS2  
**Tag Number:**  
**Collection Date:** 12/9/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				Analyst: RK
Antimony	38	6.6		mg/Kg-dry	1	12/10/99 12:58:26 PM
Arsenic	26	8.3		mg/Kg-dry	1	12/10/99 12:58:26 PM
Lead	610	8.3		mg/Kg-dry	1	12/10/99 12:58:26 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MM
Percent Moisture	29.3	0		wt%	1	12/9/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

10-Dec-99

**Lab Order:** 9912069  
**Client:** Roy F. Weston, Inc.  
**Project:** SA71-Devens MA

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912069-01A	SA71-S12	12/9/99	Soil	ICP METALS, 3051/6010		12/9/99	12/10/99
				Percent Moisture			12/9/99
9912069-02A	SA71-S22			ICP METALS, 3051/6010		12/9/99	12/10/99
				Percent Moisture			12/9/99
9912069-03A	SA71-S32			ICP METALS, 3051/6010		12/9/99	12/10/99
				Percent Moisture			12/9/99
9912069-04A	SA71-S42			ICP METALS, 3051/6010		12/9/99	12/10/99
				Percent Moisture			12/9/99
9912069-05A	SA71-S52			ICP METALS, 3051/6010		12/9/99	12/10/99
				Percent Moisture			12/9/99
9912069-06A	SA71-HS1			ICP METALS, 3051/6010		12/9/99	12/10/99
				Percent Moisture			12/9/99
9912069-07A	SA71-HS2			ICP METALS, 3051/6010		12/9/99	12/10/99
				Percent Moisture			12/9/99

CLIENT: Roy F. Weston, Inc.

Work Order: 9912069

Project: SA71-Devens MA

## QC SUMMARY REPORT

Method Blank

Sample ID: MB-348		Batch ID: 348		Test Code: SW6010B		Units: mg/Kg		Analysis Date 12/10/99 10:56:28 AM			Prep Date: 12/9/99	
Client ID:				Run ID: ICP-OPTIMA_991210A				SeqNo: 8918				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Antimony	ND	4										
Arsenic	0.883	5									J	
Lead	ND	5										

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

## AMRO Environmental Laboratories Corp.

Date: 17-Jan-00

CLIENT: Roy F. Weston, Inc.  
 Work Order: 9912069  
 Project: SA71-Devens MA

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912059-01AMS	Batch ID: 348	Test Code: SW6010B	Units: mg/Kg-dry			Analysis Date 12/10/99 11:15:43 AM			Prep Date: 12/9/99		
Client ID:		Run ID:	ICP-OPTIMA_991210A			SeqNo:	8923				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	577.5	6.1	609.4	3.055	94.3	75	125	0			
Arsenic	650.5	7.6	609.4	9.841	105	75	125	0			
Lead	1096	7.6	609.4	343.1	123	75	125	0			

Sample ID: 9912059-01AMSD		Batch ID: 348		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 12/10/99 11:18:55 AM		Prep Date: 12/9/99	
Client ID:				Run ID: ICP-OPTIMA_991210A		SeqNo: 8924					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	547.9	6.1	608	3.055	89.6	75	125	577.5	5.06	20	
Arsenic	618.8	7.6	608	9.841	100	75	125	650.5	4.82	20	
Lead	972.7	7.6	608	343.1	104	75	125	1096	17.5	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank



CLIENT: Roy F. Weston, Inc.  
Work Order: 9912069  
Project: SA71-Devens MA

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS-348	Batch ID: 348	Test Code: SW6010B	Units: mg/Kg	Analysis Date 12/10/99 11:00:12 AM				Prep Date: 12/9/99			
Client ID:	Run ID: ICP-OPTIMA_991210A			SeqNo: 8919							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	385	4	400	0	96.3	80	120	0			
Arsenic	408.8	5	400	0.883	102	80	120	0			
Lead	406.9	5	400	0	102	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corporation**

111 Herrick Street  
Merrimack, N.H. 03054  
Office: 603-424-2022 Fax: 603-429-8496

30240

**CHAIN OF CUSTODY RECORD**

Proj. No.		Project Name <b>SA71 - Deyens, MA</b>				Project State <b>MA</b>		MATRIX Water - A Soil/Solid - S Waste - W Other - Q Explain		PAGE <u>1</u> OF <u>1</u>	
Samplers (Signature) <i>[Signature]</i> (S. NAIK)						Type Size, & No. of Containers		<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">                         Sb, As, Pb by ICP Method                     </div>			
Sia. No.	Date	Time	Comp	Grab	Station Location						
	12/9/99	1420	X		SA71 - S12	8/8oz/1	S	X			
	12/9/99	1400	Y		SA71 - S22	8/8oz/1	S	X			
	12/9/99	1330	Y		SA71 - S32	8/8oz/1	S	X			
	12/9/99	1310	Y		SA71 - S42	8/8oz/1	S	X			
	12/9/99	1300	Y		SA71 - S52	8/8oz/1	S	X			
	12/9/99	1340	Y		SA71 - HS1	8/8oz/1	S	Y			
	12/9/99	1350	X		SA71 - HS2	8/8oz/1	S	Y			

Please print clearly, legibly and completely. Samples cannot be logged in and the turnaround time clock will not start until any ambiguities are resolved.

**PRIORITY TURNAROUND TIME AUTHORIZATION**

Before submitting samples for expedited T.A.T., you must have requested in advance and received a coded T.A.T. AUTHORIZATION NUMBER.

AUTHORIZATION NO. \_\_\_\_\_ T.A.T. authorized by: MIRTA

Relinquished by (Signature) <i>[Signature]</i> (S. NAIK)	Date Time <u>12/9/99/1440</u>	Received by (Signature) <i>[Signature]</i> 14:40	<input checked="" type="checkbox"/> Fax to (phone) <u>978-712-7251</u> Results needed POB	Send Results to: <u>Sam Naik</u>
Relinquished by (Signature)	Date Time	Received by (Signature)		<u>P.O. Box 425</u>
Relinquished by (Signature)	Date Time	Received by (Signature)	AMRO Project No. <u>9912069</u>	Remarks <u>24-hr TAT</u>
Relinquished by (Signature)	Date Time <u>12-9-99</u>	Received for Laboratory by (Signature) <i>[Signature]</i>	Seal Intact? Yes No N/A	<u>Sb, As, Pb by ICP Method (Total metals)</u>

NO. 484 P. 2

DEC. 9, 1999 3:41PM

**AMRO Environmental Laboratories Corp.****Date:** 20-Dec-99**CLIENT:** Roy F. Weston, Inc.**Project:** SA71-Devens**Lab Order:** 9912132**Date Received:** 12/14/99**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
9912132-01A	S33		12/14/99
9912132-02A	S33Dup		12/14/99
9912132-03A	S13		12/14/99

**AMRO Environmental Laboratories Corp.****Date:** 20-Dec-99**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912132  
**Project:** SA71-Devens  
**Lab ID:** 9912132-01A**Client Sample ID:** S33  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						<b>Analyst: RK</b>
Antimony	22	4.9		mg/Kg-dry	1	12/15/99 4:00:51 PM
Arsenic	14	6.2		mg/Kg-dry	1	12/15/99 4:00:51 PM
Lead	ND	6.2		mg/Kg-dry	1	12/15/99 4:00:51 PM
<b>PERCENT MOISTURE</b>						<b>Analyst: MM</b>
Percent Moisture	3.9	0		wt%	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 20-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912132  
**Project:** SA71-Devens  
**Lab ID:** 9912132-02A

**Client Sample ID:** S33Dup  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>		Analyst: RK		
Antimony	ND	4.8		mg/Kg-dry	1	12/15/99 4:27:39 PM
Arsenic	10	5.9		mg/Kg-dry	1	12/15/99 4:27:39 PM
Lead	ND	5.9		mg/Kg-dry	1	12/15/99 4:27:39 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>		Analyst: MM		
Percent Moisture	3.7	0		wt%	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 20-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912132  
**Project:** SA71-Devens  
**Lab ID:** 9912132-03A

**Client Sample ID:** S13  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<hr/>						
ICP METALS, 3051/6010		SW6010B				Analyst: RK
Antimony	ND	5.3		mg/Kg-dry	1	12/15/99 4:31:14 PM
Arsenic	13	6.6		mg/Kg-dry	1	12/15/99 4:31:14 PM
Lead	ND	6.6		mg/Kg-dry	1	12/15/99 4:31:14 PM
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	9.7	0		wt%	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



# CHAIN OF CUSTODY RECORD

30352

Proj. No.		Project Name <b>SAT1-DEVENS</b>				Project State <b>MA</b>		MATRIX Water - A Soil/Solid-S Waste-W Other-Q Explain		<div style="display: flex; justify-content: space-between;"> <div> AS-ARSENIC PB-LEAD SB-ANTIMONY </div> <div>PAGE <u>1</u> OF <u>1</u></div> </div>									
Samplers (Signature) <i>[Signature]</i> (DAVID P CABRAL)						Type Size, & No. of Containers													
Sta. No.	Date	Time	Comp	Grab	Station Location													Remarks	
	12/14/99	0850	X		S33	1 @ 8oz	S	X	X	X									
	12/14/99	0850	X		S33-DWP	1 @ 8oz	S	X	X	X									
	12/14/99	0900	X		S13	1 @ 8oz	S	X	X	X									
						ICE PAPER													

Please print clearly, legibly and completely. Samples cannot be logged in and the turnaround time clock will not start until any ambiguities are resolved.				<b>PRIORITY TURNAROUND TIME AUTHORIZATION</b> Before submitting samples for expedited T.A.T., you must have requested in advance and received a coded T.A.T. AUTHORIZATION NUMBER. AUTHORIZATION NO. _____ T.A.T. authorized by: _____			
Relinquished by (Signature) <i>[Signature]</i>		Date Time 12/14/99 1600		Received by (Signature) <i>[Signature]</i>		<input checked="" type="checkbox"/> Fax to (phone) 978-772-7251 Results needed PO# _____	
Relinquished by (Signature)		Date Time		Received by (Signature)		AMRO Project No. 9912132	
Relinquished by (Signature)		Date Time		Received for Laboratory by: (Signature) <i>[Signature]</i>		Seal Intact? Yes No N/A	
Send Results to: <b>SAM NAIK</b> <b>ROY F WESTON, INC</b> <b>PO BOX 425</b> <b>AYER MA 01432 USA</b> <b>PHONE 978-772-7100</b>						Remarks <del>Standard</del> T.A.T. <b>3-DAY</b>	

AMRO Environmental Laboratories Corp.

Date: 20-Dec-99

CLIENT: Roy F. Weston, Inc.

Work Order: 9912132

Project: SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID: MB-426 Batch ID: 426 Test Code: SW6010B Units: mg/Kg Analysis Date 12/15/99 3:53:37 PM Prep Date: 12/15/99

Client ID: Run ID: ICP-OPTIMA\_991215F SeqNo: 10687

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	4									
Arsenic	ND	5									
Lead	ND	5									

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

P - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

CLIENT: Roy F. Weston, Inc.

Work Order: 9912132

Project: SA71-Devens

## QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912132-01AD	Batch ID: 426	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date	12/15/99 4:16:32 PM	Prep Date: 12/15/99					
Client ID: S33		Run ID: ICP-OPTIMA_991215F		SeqNo:	10691						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.122	5.2	0	0	0	0	0	22	0	20	J
Arsenic	11.38	6.4	0	0	0	0	0	13.53	17.3	20	
Lead	4.226	6.4	0	0	0	0	0	3.863	0	20	J

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912132  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912127-01AD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99				Prep Date:			
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10714							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	18.8	0	0	0	0	0	0	22.9	19.7	25	

Sample ID: 9912136-01AD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99				Prep Date:			
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10725							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	16.4	0	0	0	0	0	0	15.8	3.73	25	

Sample ID: 9912133-08B&CD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99				Prep Date:			
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10739							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	20	0	0	0	0	0	0	21.3	6.3	25	

Sample ID: 9912141-06BD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99				Prep Date:			
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10750							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	15.1	0	0	0	0	0	0	14.4	4.75	25	

Sample ID: 9912094-01BD		Batch ID: R775		Test Code: D2216		Units: wt%		Analysis Date 12/15/99		Prep Date:	
Client ID:		Run ID:		OVEN-2_991215A		SeqNo:		10761			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	10	0	0	0	0	0	0	10.9	8.61	25	

**Qualifiers:** ND - Not Detected at the Reporting Limit

\* - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

Lab Order: 9912132  
Client: Roy F. Weston, Inc.  
Project: SA71-Devens

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912132-01A	S33	12/14/99	Soil	ICP METALS, 3051/6010		12/15/99	12/15/99
				Percent Moisture			12/15/99
9912132-02A	S33Dup			ICP METALS, 3051/6010		12/15/99	12/15/99
				Percent Moisture			12/15/99
9912132-03A	S13			ICP METALS, 3051/6010		12/15/99	12/15/99
				Percent Moisture			12/15/99

## AMRO Environmental Laboratories Corp.

Date: 20-Dec-99

CLIENT: Roy F. Weston, Inc.

Work Order: 9912132

Project: SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912132-01AMS		Batch ID: 426		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 12/15/99 4:20:18 PM		Prep Date: 12/15/99		
Client ID: S33		Run ID: ICP-OPTIMA_991215F		SeqNo: 10692								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Antimony	281.2	5	500.3	22	51.8	75	125	0			S	
Arsenic	523.8	6.3	500.3	13.53	102	75	125	0				
Lead	521.1	6.3	500.3	3.863	103	75	125	0				

Sample ID: 9912132-01AMSD		Batch ID: 426		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 12/15/99 4:24:04 PM		Prep Date: 12/15/99	
Client ID: S33		Run ID: ICP-OPTIMA_991215F		SeqNo: 10693							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	287	5	499.1	22	53.1	75	125	281.2	2.48	20	S
Arsenic	497.8	6.2	499.1	13.53	97	75	125	523.8	4.98	20	
Lead	500.6	6.2	499.1	3.863	99.5	75	125	521.1	3.79	20	

Qualifiers: ND - Not Detected at the Reporting Limit

I - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level



CLIENT: Roy F. Weston, Inc.

Work Order: 9912132

Project: SA71-Devens

**QC SUMMARY REPORT**

Laboratory Control Spike - generic

Sample ID: LCS-426	Batch ID: 426	Test Code: SW6010B	Units: mg/Kg	Analysis Date 12/15/99 3:57:18 PM	Prep Date: 12/15/99						
Client ID:	Run ID: ICP-OPTIMA_991215F	SeqNo: 10688									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	352.7	4	400	0	88.2	80	120	0			
Arsenic	400.2	5	400	0	100	80	120	0			
Lead	407.4	5	400	0	102	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Project:** SA71-Devens**Lab Order:** 9912133**Date Received:** 12/14/99**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
9912133-01A	SA71-WC01		12/14/99
9912133-01B	SA71-WC01		12/14/99
9912133-01C	SA71-WC01		12/14/99
9912133-02A	SA71-WC02		12/14/99
9912133-02B	SA71-WC02		12/14/99
9912133-02C	SA71-WC02		12/14/99
9912133-03A	SA71-WC03		12/14/99
9912133-03B	SA71-WC03		12/14/99
9912133-03C	SA71-WC03		12/14/99
9912133-04A	SA71-WC04		12/14/99
9912133-04B	SA71-WC04		12/14/99
9912133-04C	SA71-WC04		12/14/99
9912133-05A	SA71-WC05		12/14/99
9912133-05B	SA71-WC05		12/14/99
9912133-05C	SA71-WC05		12/14/99
9912133-06A	SA71-WC06		12/14/99
9912133-06B	SA71-WC06		12/14/99
9912133-06C	SA71-WC06		12/14/99
9912133-07A	SA71-WC07		12/14/99
9912133-07B	SA71-WC07		12/14/99
9912133-07C	SA71-WC07		12/14/99
9912133-08A	SA71-WC08		12/14/99
9912133-08B	SA71-WC08		12/14/99
9912133-08C	SA71-WC08		12/14/99
9912133-09A	SA71-WC09		12/14/99
9912133-09B	SA71-WC09		12/14/99
9912133-09C	SA71-WC09		12/14/99
9912133-10A	SA71-WC10		12/14/99
9912133-10B	SA71-WC10		12/14/99
9912133-10C	SA71-WC10		12/14/99
9912133-11A	SA71-WC11		12/14/99
9912133-11B	SA71-WC11		12/14/99
9912133-11C	SA71-WC11		12/14/99
9912133-12A	SA71-WC12		12/14/99
9912133-12B	SA71-WC12		12/14/99
9912133-12C	SA71-WC12		12/14/99
9912133-13A	TRIP BLANK		12/14/99

# CHAIN OF CUSTODY RECORD

30713

Proj. No.		Project Name <b>SA71- Devens</b>			Project State <b>MA</b>		MATRIX Water - A Soil/Solid-S Waste-W Other-O Explain										PAGE 1 OF 1	
Samplers (Signature) <i>[Signature]</i> (DAVID P. CARROLL)					Type Size, & No. of Containers		VOC (860) Inhibiting SVOCs (870) PCBs & Total PCBs TPH-1P Reacting/Corrosive											
Sta. No.	Date	Time	Comp	Grab	Station Location												Remarks	
	12/14/99	0930	X		SA71-WC01	9L/2-40 ml VOC 1-802	S	X	X	X	X	X	X	X	X	X		
		0940	X		SA71-WC02	1-1602	S	X	X	X	X	X	X	X	X	X		
		0950	X		SA71-WC03			X	X	X	X	X	X	X	X	X		
		1000			SA71-WC04			X	X	X	X	X	X	X	X	X		
		1010			SA71-WC05			X	X	X	X	X	X	X	X	X		
		1020			SA71-WC06			X	X	X	X	X	X	X	X	X		
		1030			SA71-WC07			X	X	X	X	X	X	X	X	X		
		1040			SA71-WC08			X	X	X	X	X	X	X	X	X		
		1050			SA71-WC09			X	X	X	X	X	X	X	X	X		
		1100			SA71-WC10			X	X	X	X	X	X	X	X	X		
		1110			SA71-WC11			X	X	X	X	X	X	X	X	X		
	12/14/99	1120	X		SA71-WC12		S	X	X	X	X	X	X	X	X	X		

Please print clearly, legibly and completely. Samples cannot be logged in and the turnaround time clock will not start until any ambiguities are resolved.

## PRIORITY TURNAROUND TIME AUTHORIZATION

Before submitting samples for expedited T.A.T., you must have requested in advance and received a coded T.A.T. AUTHORIZATION NUMBER.

AUTHORIZATION NO.                      T.A.T. authorized by:                     

Relinquished by (Signature) <i>[Signature]</i>	Date Time 12/14/99 1630	Received by (Signature)	<input checked="" type="checkbox"/> Fax to (phone) 978-712-7251 Results needed PO#	Send Results to: Sam Naik, WESTON PO Box 475 Ayer, MA 01432
Relinquished by (Signature)	Date Time	Received by (Signature)	PO#	
Relinquished by (Signature)	Date Time	Received by (Signature)	AMRO Project No. 9412133	Remarks Standard TAT
Relinquished by (Signature)	Date Time 12-14-99 5:40	Received for Laboratory by (Signature) <i>[Signature]</i>	Seal Intact? Yes No N/A	

**AMRO Environmental Laboratories Corp.****Date:** 20-Dec-99**CLIENT:** Roy F. Weston, Inc.**Project:** SA71 - DEVENS**Lab Order:** 9912134**Date Received:** 12/14/99**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
9912134-01A	FL33		12/14/99
9912134-02A	FL34		12/14/99
9912134-03A	FL43		12/14/99
9912134-04A	FL44		12/14/99

**AMRO Environmental Laboratories Corp.**

Date: 20-Dec-99

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** FL33**Lab Order:** 9912134**Tag Number:****Project:** SA71 - DEVENS**Collection Date:** 12/14/99**Lab ID:** 9912134-01A**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B				Analyst: RK
Antimony	30	5.8		mg/Kg-dry	1	12/15/99 4:36:26 PM
Arsenic	22	7.3		mg/Kg-dry	1	12/15/99 4:36:26 PM
Lead	660	7.3		mg/Kg-dry	1	12/15/99 4:36:26 PM
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	21.1	0		wt%	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 20-Dec-99

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	FL34
<b>Lab Order:</b>	9912134	<b>Tag Number:</b>	
<b>Project:</b>	SA71 - DEVENS	<b>Collection Date:</b>	12/14/99
<b>Lab ID:</b>	9912134-02A	<b>Matrix:</b>	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Antimony	9.1	6.2		mg/Kg-dry	1	12/15/99 4:41:38 PM
Arsenic	20	7.8		mg/Kg-dry	1	12/15/99 4:41:38 PM
Lead	200	7.8		mg/Kg-dry	1	12/15/99 4:41:38 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	22.6	0		wt%	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 20-Dec-99

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** FL43**Lab Order:** 9912134**Tag Number:****Project:** SA71 - DEVENS**Collection Date:** 12/14/99**Lab ID:** 9912134-03A**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B				Analyst: RK
Antimony	6.1	5.9		mg/Kg-dry	1	12/15/99 4:46:50 PM
Arsenic	19	7.4		mg/Kg-dry	1	12/15/99 4:46:50 PM
Lead	190	7.4		mg/Kg-dry	1	12/15/99 4:46:50 PM
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	20.6	0		wt%	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.****Date:** 20-Dec-99

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912134  
**Project:** SA71 - DEVENS  
**Lab ID:** 9912134-04A

**Client Sample ID:** FL44  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>		Analyst: RK		
Antimony	12	6.2		mg/Kg-dry	1	12/15/99 4:51:58 PM
Arsenic	20	7.8		mg/Kg-dry	1	12/15/99 4:51:58 PM
Lead	230	7.8		mg/Kg-dry	1	12/15/99 4:51:58 PM
<b>PERCENT MOISTURE</b>		<b>D2216</b>		Analyst: MM		
Percent Moisture	20.0	0		wt%	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

Lab Order: 9912134  
Client: Roy F. Weston, Inc.  
Project: SA71 - DEVENS

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912134-01A	FL33	12/14/99	Soil	ICP METALS, 3051/6010		12/15/99	12/15/99
				Percent Moisture			12/15/99
9912134-02A	FL34			ICP METALS, 3051/6010		12/15/99	12/15/99
				Percent Moisture			12/15/99
9912134-03A	FL43			ICP METALS, 3051/6010		12/15/99	12/15/99
				Percent Moisture			12/15/99
9912134-04A	FL44			ICP METALS, 3051/6010		12/15/99	12/15/99
				Percent Moisture			12/15/99

AMRO Environmental Laboratories Corp.

Date: 20-Dec-99

CLIENT: Roy F. Weston, Inc.  
Work Order: 9912132  
Project: SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID: MB-426	Batch ID: 426	Test Code: SW6010B	Units: mg/Kg	Analysis Date 12/15/99 3:53:37 PM	Prep Date: 12/15/99						
Client ID:	Run ID: ICP-OPTIMA_991215F	SeqNo: 10687									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	4									
Arsenic	ND	5									
Lead	ND	5									

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

P - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

CLIENT: Roy F. Weston, Inc.  
Work Order: 9912132  
Project: SA71-Devens

**QC SUMMARY REPORT**

Sample Duplicate

Sample ID: 9912132-01AD	Batch ID: 426	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 12/15/99 4:16:32 PM	Prep Date: 12/15/99						
Client ID: S33	Run ID: ICP-OPTIMA_991215F	SeqNo: 10691									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.122	5.2	0	0	0	0	0	22	0	20	J
Arsenic	11.38	6.4	0	0	0	0	0	13.53	17.3	20	
Lead	4.226	6.4	0	0	0	0	0	3.863	0	20	J

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912132  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912127-01AD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99	Prep Date:							
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10714								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Percent Moisture	18.8	0	0	0	0	0	0	22.9	19.7	25		
Sample ID: 9912136-01AD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99	Prep Date:							
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10725								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Percent Moisture	16.4	0	0	0	0	0	0	15.8	3.73	25		
Sample ID: 9912133-08B&CD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99	Prep Date:							
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10739								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Percent Moisture	20	0	0	0	0	0	0	21.3	6.3	25		
Sample ID: 9912141-06BD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99	Prep Date:							
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10750								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Percent Moisture	15.1	0	0	0	0	0	0	14.4	4.75	25		
Sample ID: 9912094-01BD	Batch ID: R775	Test Code: D2216	Units: wt%	Analysis Date 12/15/99	Prep Date:							
Client ID:		Run ID: OVEN-2_991215A		SeqNo: 10761								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Percent Moisture	10	0	0	0	0	0	0	10.9	8.61	25		

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Quantitation Limit

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level



CLIENT: Roy F. Weston, Inc.  
 Work Order: 9912132  
 Project: SA71-Devens

**QC SUMMARY REPORT**  
 Sample Matrix Spike

Sample ID: 9912132-01AMS		Batch ID: 426		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 12/15/99 4:20:18 PM		Prep Date: 12/15/99	
Client ID: S33		Run ID: ICP-OPTIMA_991215F				SeqNo: 10692					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	281.2	5	500.3	22	51.8	75	125	0			S
Arsenic	523.8	6.3	500.3	13.53	102	75	125	0			
Lead	521.1	6.3	500.3	3.863	103	75	125	0			

Sample ID: 9912132-01AMSD		Batch ID: 426		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 12/15/99 4:24:04 PM		Prep Date: 12/15/99	
Client ID: S33		Run ID: ICP-OPTIMA_991215F				SeqNo: 10693					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	287	5	499.1	22	53.1	75	125	281.2	2.48	20	S
Arsenic	497.8	6.2	499.1	13.53	97	75	125	523.8	4.98	20	
Lead	500.6	6.2	499.1	3.863	99.5	75	125	521.1	3.79	20	

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

AMRO Environmental Laboratories Corp.

Date: 20-Dec-99

CLIENT: Roy F. Weston, Inc.  
Work Order: 9912132  
Project: SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS-426	Batch ID: 426	Test Code: SW6010B	Units: mg/Kg	Analysis Date	12/15/99 3:57:18 PM	Prep Date: 12/15/99					
Client ID:	Run ID: ICP-OPTIMA_991215F	SeqNo: 10688									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	352.7	4	400	0	88.2	80	120	0			
Arsenic	400.2	5	400	0	100	80	120	0			
Lead	407.4	5	400	0	102	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

# CHAIN OF CUSTODY RECORD

30551

Proj. No.		Project Name <b>SAT1 - DEVENS</b>				Project State <b>MA</b>		MATRIX Water - A Soil/Solid-S Waste-W Other-O Explain		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">AS-ARSENIC</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PB-LEAD</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">SB-ANTIMONY</div> </div>				PAGE <u>1</u> OF <u>1</u>	
Samplers (Signature) <i>[Signature]</i> (DAVID P. CABRAL)						Type Size, & No. of Containers									
Sta. No.	Date	Time	Comp	Grab	Station Location									Remarks	
	12/14/99	1130	X		FL33	1 @ 80m	S	X	X	X					
		1140	X		FL34			X	X	X					
		1150	X		FL43			X	X	X					
	12/14/99	1200	X		FL44	1 @ 80m	S	X	X	X					

Please print clearly, legibly and completely. Samples cannot be logged in and the turnaround time clock will not start until any ambiguities are resolved.

## PRIORITY TURNAROUND TIME AUTHORIZATION

Before submitting samples for expedited T.A.T., you must have requested in advance and received a coded T.A.T. AUTHORIZATION NUMBER.

AUTHORIZATION NO. \_\_\_\_\_ T.A.T. authorized by: \_\_\_\_\_

Relinquished by (Signature) <i>[Signature]</i>	Date Time 12/14/99 1600	Received by (Signature) _____	<input checked="" type="checkbox"/> Fax to (phone) 978-772-7251 Results needed _____ PO# _____	Send Results to: SAM NAIK WESTON PO BOX 425 AYER MA 01432 PHONE 978-772-7190
Relinquished by (Signature)	Date Time	Received by (Signature)		
Relinquished by (Signature)	Date Time	Received by (Signature)	AMRO Project No. 9912134	Remarks 3-DAY STANDARD TAT.
Relinquished by (Signature)	Date Time 12-14 5:00	Received for Laboratory by: (Signature) <i>[Signature]</i>	Seal Intact? Yes No N/A	



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**APPENDIX C**

**ANALYTICAL RESULTS OF WASTE CHARACTERIZATION**

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**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-01A

**Client Sample ID:** SA71-WC01  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		Analyst: SK		
Dichlorodifluoromethane	ND	83		µg/Kg-dry	1	12/16/99 4:34:00 PM
Chloromethane	ND	83		µg/Kg-dry	1	12/16/99 4:34:00 PM
Vinyl chloride	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Chloroethane	ND	83		µg/Kg-dry	1	12/16/99 4:34:00 PM
Bromomethane	ND	83		µg/Kg-dry	1	12/16/99 4:34:00 PM
Trichlorofluoromethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Acetone	ND	410		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Carbon disulfide	ND	83		µg/Kg-dry	1	12/16/99 4:34:00 PM
Methylene chloride	ND	83		µg/Kg-dry	1	12/16/99 4:34:00 PM
Methyl tert-butyl ether	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
trans-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1-Dichloroethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
2-Butanone	ND	410		µg/Kg-dry	1	12/16/99 4:34:00 PM
2,2-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
cis-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Chloroform	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Bromochloromethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1,1-Trichloroethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Carbon tetrachloride	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2-Dichloroethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Benzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Trichloroethene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Bromodichloromethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Dibromomethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
4-Methyl-2-pentanone	ND	410		µg/Kg-dry	1	12/16/99 4:34:00 PM
cis-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Toluene	50	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
trans-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1,2-Trichloroethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2-Dibromoethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
2-Hexanone	ND	410		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,3-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Tetrachloroethene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Dibromochloromethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Chlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1,1,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Ethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-01A

**Client Sample ID:** SA71-WC01  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	62	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
o-Xylene	47	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Styrene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Bromoform	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Isopropylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1,2,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2,3-Trichloropropane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Bromobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
n-Propylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
2-Chlorotoluene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
4-Chlorotoluene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,3,5-Trimethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
tert-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2,4-Trimethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
sec-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
4-Isopropyltoluene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,3-Dichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,4-Dichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
n-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2-Dichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2-Dibromo-3-chloropropane	ND	83		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2,4-Trichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Hexachlorobutadiene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Naphthalene	120	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2,3-Trichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Surr: 1,2-Dichloroethane-d4	72.3	70-130		%REC	1	12/16/99 4:34:00 PM
Surr: 4-Bromofluorobenzene	65.0	70-130	S	%REC	1	12/16/99 4:34:00 PM
Surr: Dibromofluoromethane	79.6	70-130		%REC	1	12/16/99 4:34:00 PM
Surr: Toluene-d8	72.1	70-130		%REC	1	12/16/99 4:34:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

Client Sample ID: SA71-WC02

Lab Order: 9912133

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-02A

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		<b>Analyst: SK</b>		
Dichlorodifluoromethane	ND	95		µg/Kg-dry	1	12/16/99 5:09:00 PM
Chloromethane	ND	95		µg/Kg-dry	1	12/16/99 5:09:00 PM
Vinyl chloride	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Chloroethane	ND	95		µg/Kg-dry	1	12/16/99 5:09:00 PM
Bromomethane	ND	95		µg/Kg-dry	1	12/16/99 5:09:00 PM
Trichlorofluoromethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Acetone	ND	470		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,1-Dichloroethene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Carbon disulfide	ND	95		µg/Kg-dry	1	12/16/99 5:09:00 PM
Methylene chloride	ND	95		µg/Kg-dry	1	12/16/99 5:09:00 PM
Methyl tert-butyl ether	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
trans-1,2-Dichloroethene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,1-Dichloroethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
2-Butanone	ND	470		µg/Kg-dry	1	12/16/99 5:09:00 PM
2,2-Dichloropropane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
cis-1,2-Dichloroethene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Chloroform	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Bromochloromethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,1,1-Trichloroethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,1-Dichloropropene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Carbon tetrachloride	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2-Dichloroethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Benzene	51	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Trichloroethene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2-Dichloropropane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Bromodichloromethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Dibromomethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
4-Methyl-2-pentanone	ND	470		µg/Kg-dry	1	12/16/99 5:09:00 PM
cis-1,3-Dichloropropene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Toluene	97	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
trans-1,3-Dichloropropene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,1,2-Trichloroethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2-Dibromoethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
2-Hexanone	ND	470		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,3-Dichloropropane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Tetrachloroethene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Dibromochloromethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Chlorobenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,1,1,2-Tetrachloroethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Ethylbenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-02A**Client Sample ID:** SA71-WC02  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	130	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
o-Xylene	76	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Styrene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Bromoform	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Isopropylbenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,1,2,2-Tetrachloroethane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2,3-Trichloropropane	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Bromobenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
n-Propylbenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
2-Chlorotoluene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
4-Chlorotoluene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,3,5-Trimethylbenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
tert-Butylbenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2,4-Trimethylbenzene	56	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
sec-Butylbenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
4-Isopropyltoluene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,3-Dichlorobenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,4-Dichlorobenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
n-Butylbenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2-Dichlorobenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2-Dibromo-3-chloropropane	ND	95		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2,4-Trichlorobenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Hexachlorobutadiene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Naphthalene	300	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
1,2,3-Trichlorobenzene	ND	47		µg/Kg-dry	1	12/16/99 5:09:00 PM
Surr: 1,2-Dichloroethane-d4	72.1	70-130		%REC	1	12/16/99 5:09:00 PM
Surr: 4-Bromofluorobenzene	68.7	70-130	S	%REC	1	12/16/99 5:09:00 PM
Surr: Dibromofluoromethane	78.6	70-130		%REC	1	12/16/99 5:09:00 PM
Surr: Toluene-d8	76.4	70-130		%REC	1	12/16/99 5:09:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-03A

**Client Sample ID:** SA71-WC03  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		<b>Analyst: SK</b>		
Dichlorodifluoromethane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chloromethane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Vinyl chloride	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chloroethane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Bromomethane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Trichlorofluoromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Acetone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1-Dichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Carbon disulfide	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Methylene chloride	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Methyl tert-butyl ether	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
trans-1,2-Dichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1-Dichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
2-Butanone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
2,2-Dichloropropane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
cis-1,2-Dichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chloroform	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Bromochloromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1,1-Trichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1-Dichloropropene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Carbon tetrachloride	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Benzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Trichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dichloropropane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Bromodichloromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Dibromomethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
4-Methyl-2-pentanone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
cis-1,3-Dichloropropene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Toluene	63	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
trans-1,3-Dichloropropene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1,2-Trichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dibromoethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
2-Hexanone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,3-Dichloropropane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Tetrachloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Dibromochloromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chlorobenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1,1,2-Tetrachloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Ethylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC03**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-03A**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	36	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
o-Xylene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Styrene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Bromoform	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Isopropylbenzene	92	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1,2,2-Tetrachloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2,3-Trichloropropane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Bromobenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
n-Propylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
2-Chlorotoluene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
4-Chlorotoluene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,3,5-Trimethylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
tert-Butylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2,4-Trimethylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
sec-Butylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
4-Isopropyltoluene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,3-Dichlorobenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,4-Dichlorobenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
n-Butylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dichlorobenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dibromo-3-chloropropane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2,4-Trichlorobenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Hexachlorobutadiene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Naphthalene	100	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2,3-Trichlorobenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Surr: 1,2-Dichloroethane-d4	77.4	70-130		%REC	1	12/16/99 5:45:00 PM
Surr: 4-Bromofluorobenzene	74.8	70-130		%REC	1	12/16/99 5:45:00 PM
Surr: Dibromofluoromethane	86.7	70-130		%REC	1	12/16/99 5:45:00 PM
Surr: Toluene-d8	81.7	70-130		%REC	1	12/16/99 5:45:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

Client Sample ID: SA71-WC04

Lab Order: 9912133

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-04A

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		Analyst: SK		
Dichlorodifluoromethane	ND	64		µg/Kg-dry	1	12/16/99 6:21:00 PM
Chloromethane	ND	64		µg/Kg-dry	1	12/16/99 6:21:00 PM
Vinyl chloride	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Chloroethane	ND	64		µg/Kg-dry	1	12/16/99 6:21:00 PM
Bromomethane	ND	64		µg/Kg-dry	1	12/16/99 6:21:00 PM
Trichlorofluoromethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Acetone	ND	320		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,1-Dichloroethene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Carbon disulfide	ND	64		µg/Kg-dry	1	12/16/99 6:21:00 PM
Methylene chloride	ND	64		µg/Kg-dry	1	12/16/99 6:21:00 PM
Methyl tert-butyl ether	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
trans-1,2-Dichloroethene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,1-Dichloroethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
2-Butanone	ND	320		µg/Kg-dry	1	12/16/99 6:21:00 PM
2,2-Dichloropropane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
cis-1,2-Dichloroethene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Chloroform	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Bromochloromethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,1,1-Trichloroethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,1-Dichloropropene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Carbon tetrachloride	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2-Dichloroethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Benzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Trichloroethene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2-Dichloropropane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Bromodichloromethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Dibromomethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
4-Methyl-2-pentanone	ND	320		µg/Kg-dry	1	12/16/99 6:21:00 PM
cis-1,3-Dichloropropene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Toluene	46	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
trans-1,3-Dichloropropene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,1,2-Trichloroethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2-Dibromoethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
2-Hexanone	ND	320		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,3-Dichloropropane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Tetrachloroethene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Dibromochloromethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Chlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,1,1,2-Tetrachloroethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Ethylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC04**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-04A**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	44	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
o-Xylene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Styrene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Bromoform	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Isopropylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,1,2,2-Tetrachloroethane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2,3-Trichloropropane	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Bromobenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
n-Propylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
2-Chlorotoluene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
4-Chlorotoluene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,3,5-Trimethylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
tert-Butylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2,4-Trimethylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
sec-Butylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
4-Isopropyltoluene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,3-Dichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,4-Dichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
n-Butylbenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2-Dichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2-Dibromo-3-chloropropane	ND	64		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2,4-Trichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Hexachlorobutadiene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Naphthalene	100	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
1,2,3-Trichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 6:21:00 PM
Surr: 1,2-Dichloroethane-d4	69.4	70-130	S	%REC	1	12/16/99 6:21:00 PM
Surr: 4-Bromofluorobenzene	60.4	70-130	S	%REC	1	12/16/99 6:21:00 PM
Surr: Dibromofluoromethane	77.9	70-130		%REC	1	12/16/99 6:21:00 PM
Surr: Toluene-d8	70.9	70-130		%REC	1	12/16/99 6:21:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-05A

**Client Sample ID:** SA71-WC05  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		<b>Analyst: SK</b>		
Dichlorodifluoromethane	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Chloromethane	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Vinyl chloride	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Chloroethane	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromomethane	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Trichlorofluoromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Acetone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Carbon disulfide	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Methylene chloride	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Methyl tert-butyl ether	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
trans-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1-Dichloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
2-Butanone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
2,2-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
cis-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Chloroform	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromochloromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1,1-Trichloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Carbon tetrachloride	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dichloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Benzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Trichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromodichloromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Dibromomethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
4-Methyl-2-pentanone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
cis-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Toluene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
trans-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1,2-Trichloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dibromoethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
2-Hexanone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,3-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Tetrachloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Dibromochloromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Chlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1,1,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Ethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-05A

**Client Sample ID:** SA71-WC05  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
o-Xylene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Styrene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromoform	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Isopropylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1,2,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2,3-Trichloropropane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
n-Propylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
2-Chlorotoluene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
4-Chlorotoluene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,3,5-Trimethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
tert-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2,4-Trimethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
sec-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
4-Isopropyltoluene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,3-Dichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,4-Dichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
n-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dibromo-3-chloropropane	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2,4-Trichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Hexachlorobutadiene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Naphthalene	49	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2,3-Trichlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Surr: 1,2-Dichloroethane-d4	73.7	70-130		%REC	1	12/16/99 6:57:00 PM
Surr: 4-Bromofluorobenzene	68.5	70-130	S	%REC	1	12/16/99 6:57:00 PM
Surr: Dibromofluoromethane	81.7	70-130		%REC	1	12/16/99 6:57:00 PM
Surr: Toluene-d8	73.7	70-130		%REC	1	12/16/99 6:57:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 02-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-06A

**Client Sample ID:** SA71-WC06  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B</b>						Analyst: SK
Dichlorodifluoromethane	ND	89		µg/Kg-dry	1	12/16/99 7:32:00 PM
Chloromethane	ND	89		µg/Kg-dry	1	12/16/99 7:32:00 PM
Vinyl chloride	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Chloroethane	ND	89		µg/Kg-dry	1	12/16/99 7:32:00 PM
Bromomethane	ND	89		µg/Kg-dry	1	12/16/99 7:32:00 PM
Trichlorofluoromethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Acetone	ND	440		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,1-Dichloroethene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Carbon disulfide	ND	89		µg/Kg-dry	1	12/16/99 7:32:00 PM
Methylene chloride	99	89		µg/Kg-dry	1	12/16/99 7:32:00 PM
Methyl tert-butyl ether	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
trans-1,2-Dichloroethene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,1-Dichloroethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
2-Butanone	ND	440		µg/Kg-dry	1	12/16/99 7:32:00 PM
2,2-Dichloropropane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
cis-1,2-Dichloroethene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Chloroform	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Bromochloromethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,1,1-Trichloroethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,1-Dichloropropene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Carbon tetrachloride	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2-Dichloroethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Benzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Trichloroethene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2-Dichloropropane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Bromodichloromethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Dibromomethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
4-Methyl-2-pentanone	ND	440		µg/Kg-dry	1	12/16/99 7:32:00 PM
cis-1,3-Dichloropropene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Toluene	56	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
trans-1,3-Dichloropropene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,1,2-Trichloroethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2-Dibromoethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
2-Hexanone	ND	440		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,3-Dichloropropane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Tetrachloroethene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Dibromochloromethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Chlorobenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,1,1,2-Tetrachloroethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.****Date:** 02-Feb-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC06**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-06A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Ethylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
m,p-Xylene	69	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
o-Xylene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Styrene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Bromoform	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Isopropylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,1,2,2-Tetrachloroethane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2,3-Trichloropropane	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Bromobenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
n-Propylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
2-Chlorotoluene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
4-Chlorotoluene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,3,5-Trimethylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
tert-Butylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2,4-Trimethylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
sec-Butylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
4-Isopropyltoluene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,3-Dichlorobenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,4-Dichlorobenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
n-Butylbenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2-Dichlorobenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2-Dibromo-3-chloropropane	ND	89		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2,4-Trichlorobenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Hexachlorobutadiene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Naphthalene	92	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
1,2,3-Trichlorobenzene	ND	44		µg/Kg-dry	1	12/16/99 7:32:00 PM
Surr: 1,2-Dichloroethane-d4	70.0	70-130		%REC	1	12/16/99 7:32:00 PM
Surr: 4-Bromofluorobenzene	70.1	70-130		%REC	1	12/16/99 7:32:00 PM
Surr: Dibromofluoromethane	78.4	70-130		%REC	1	12/16/99 7:32:00 PM
Surr: Toluene-d8	73.4	70-130		%REC	1	12/16/99 7:32:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-07A

**Client Sample ID:** SA71-WC07  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		Analyst: SK		
Dichlorodifluoromethane	ND	55		µg/Kg-dry	1	12/16/99 8:08:00 PM
Chloromethane	ND	55		µg/Kg-dry	1	12/16/99 8:08:00 PM
Vinyl chloride	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Chloroethane	ND	55		µg/Kg-dry	1	12/16/99 8:08:00 PM
Bromomethane	ND	55		µg/Kg-dry	1	12/16/99 8:08:00 PM
Trichlorofluoromethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Acetone	ND	270		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,1-Dichloroethene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Carbon disulfide	ND	55		µg/Kg-dry	1	12/16/99 8:08:00 PM
Methylene chloride	ND	55		µg/Kg-dry	1	12/16/99 8:08:00 PM
Methyl tert-butyl ether	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
trans-1,2-Dichloroethene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,1-Dichloroethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
2-Butanone	ND	270		µg/Kg-dry	1	12/16/99 8:08:00 PM
2,2-Dichloropropane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
cis-1,2-Dichloroethene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Chloroform	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Bromochloromethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,1,1-Trichloroethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,1-Dichloropropene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Carbon tetrachloride	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2-Dichloroethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Benzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Trichloroethene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2-Dichloropropane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Bromodichloromethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Dibromomethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
4-Methyl-2-pentanone	ND	270		µg/Kg-dry	1	12/16/99 8:08:00 PM
cis-1,3-Dichloropropene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Toluene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
trans-1,3-Dichloropropene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,1,2-Trichloroethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2-Dibromoethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
2-Hexanone	ND	270		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,3-Dichloropropane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Tetrachloroethene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Dibromochloromethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Chlorobenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,1,1,2-Tetrachloroethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Ethylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-07A

**Client Sample ID:** SA71-WC07  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
o-Xylene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Styrene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Bromoform	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Isopropylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,1,2,2-Tetrachloroethane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2,3-Trichloropropane	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Bromobenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
n-Propylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
2-Chlorotoluene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
4-Chlorotoluene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,3,5-Trimethylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
tert-Butylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2,4-Trimethylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
sec-Butylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
4-Isopropyltoluene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,3-Dichlorobenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,4-Dichlorobenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
n-Butylbenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2-Dichlorobenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2-Dibromo-3-chloropropane	ND	55		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2,4-Trichlorobenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Hexachlorobutadiene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Naphthalene	30	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
1,2,3-Trichlorobenzene	ND	27		µg/Kg-dry	1	12/16/99 8:08:00 PM
Surr: 1,2-Dichloroethane-d4	68.9	70-130	S	%REC	1	12/16/99 8:08:00 PM
Surr: 4-Bromofluorobenzene	63.1	70-130	S	%REC	1	12/16/99 8:08:00 PM
Surr: Dibromofluoromethane	72.6	70-130		%REC	1	12/16/99 8:08:00 PM
Surr: Toluene-d8	71.1	70-130		%REC	1	12/16/99 8:08:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-08A

**Client Sample ID:** SA71-WC08  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		<b>Analyst: SK</b>		
Dichlorodifluoromethane	ND	56		µg/Kg-dry	1	12/16/99 8:43:00 PM
Chloromethane	ND	56		µg/Kg-dry	1	12/16/99 8:43:00 PM
Vinyl chloride	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Chloroethane	ND	56		µg/Kg-dry	1	12/16/99 8:43:00 PM
Bromomethane	ND	56		µg/Kg-dry	1	12/16/99 8:43:00 PM
Trichlorofluoromethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Acetone	ND	280		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,1-Dichloroethene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Carbon disulfide	ND	56		µg/Kg-dry	1	12/16/99 8:43:00 PM
Methylene chloride	ND	56		µg/Kg-dry	1	12/16/99 8:43:00 PM
Methyl tert-butyl ether	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
trans-1,2-Dichloroethene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,1-Dichloroethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
2-Butanone	ND	280		µg/Kg-dry	1	12/16/99 8:43:00 PM
2,2-Dichloropropane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
cis-1,2-Dichloroethene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Chloroform	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Bromochloromethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,1,1-Trichloroethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,1-Dichloropropene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Carbon tetrachloride	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2-Dichloroethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Benzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Trichloroethene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2-Dichloropropane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Bromodichloromethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Dibromomethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
4-Methyl-2-pentanone	ND	280		µg/Kg-dry	1	12/16/99 8:43:00 PM
cis-1,3-Dichloropropene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Toluene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
trans-1,3-Dichloropropene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,1,2-Trichloroethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2-Dibromoethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
2-Hexanone	ND	280		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,3-Dichloropropane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Tetrachloroethene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Dibromochloromethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Chlorobenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,1,1,2-Tetrachloroethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Ethylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-08A

**Client Sample ID:** SA71-WC08  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
o-Xylene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Styrene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Bromoform	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Isopropylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,1,2,2-Tetrachloroethane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2,3-Trichloropropane	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Bromobenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
n-Propylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
2-Chlorotoluene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
4-Chlorotoluene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,3,5-Trimethylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
tert-Butylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2,4-Trimethylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
sec-Butylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
4-Isopropyltoluene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,3-Dichlorobenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,4-Dichlorobenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
n-Butylbenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2-Dichlorobenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2-Dibromo-3-chloropropane	ND	56		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2,4-Trichlorobenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Hexachlorobutadiene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Naphthalene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
1,2,3-Trichlorobenzene	ND	28		µg/Kg-dry	1	12/16/99 8:43:00 PM
Surr: 1,2-Dichloroethane-d4	70.1	70-130		%REC	1	12/16/99 8:43:00 PM
Surr: 4-Bromofluorobenzene	60.9	70-130	S	%REC	1	12/16/99 8:43:00 PM
Surr: Dibromofluoromethane	78.4	70-130		%REC	1	12/16/99 8:43:00 PM
Surr: Toluene-d8	71.2	70-130		%REC	1	12/16/99 8:43:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-09A

**Client Sample ID:** SA71-WC09  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>				<b>Analyst: SK</b>
Dichlorodifluoromethane	ND	68		µg/Kg-dry	1	12/16/99 9:19:00 PM
Chloromethane	ND	68		µg/Kg-dry	1	12/16/99 9:19:00 PM
Vinyl chloride	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Chloroethane	ND	68		µg/Kg-dry	1	12/16/99 9:19:00 PM
Bromomethane	ND	68		µg/Kg-dry	1	12/16/99 9:19:00 PM
Trichlorofluoromethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Acetone	ND	340		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,1-Dichloroethene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Carbon disulfide	ND	68		µg/Kg-dry	1	12/16/99 9:19:00 PM
Methylene chloride	ND	68		µg/Kg-dry	1	12/16/99 9:19:00 PM
Methyl tert-butyl ether	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
trans-1,2-Dichloroethene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,1-Dichloroethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
2-Butanone	ND	340		µg/Kg-dry	1	12/16/99 9:19:00 PM
2,2-Dichloropropane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
cis-1,2-Dichloroethene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Chloroform	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Bromochloromethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,1,1-Trichloroethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,1-Dichloropropene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Carbon tetrachloride	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2-Dichloroethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Benzene	61	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Trichloroethene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2-Dichloropropane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Bromodichloromethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Dibromomethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
4-Methyl-2-pentanone	ND	340		µg/Kg-dry	1	12/16/99 9:19:00 PM
cis-1,3-Dichloropropene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Toluene	120	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
trans-1,3-Dichloropropene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,1,2-Trichloroethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2-Dibromoethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
2-Hexanone	ND	340		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,3-Dichloropropane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Tetrachloroethene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Dibromochloromethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Chlorobenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,1,1,2-Tetrachloroethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Ethylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC09**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-09A**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	150	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
o-Xylene	74	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Styrene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Bromoform	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Isopropylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,1,2,2-Tetrachloroethane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2,3-Trichloropropane	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Bromobenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
n-Propylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
2-Chlorotoluene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
4-Chlorotoluene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,3,5-Trimethylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
tert-Butylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2,4-Trimethylbenzene	56	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
sec-Butylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
4-Isopropyltoluene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,3-Dichlorobenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,4-Dichlorobenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
n-Butylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2-Dichlorobenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2-Dibromo-3-chloropropane	ND	68		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2,4-Trichlorobenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Hexachlorobutadiene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Naphthalene	230	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
1,2,3-Trichlorobenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM
Surr: 1,2-Dichloroethane-d4	68.1	70-130	S	%REC	1	12/16/99 9:19:00 PM
Surr: 4-Bromofluorobenzene	64.4	70-130	S	%REC	1	12/16/99 9:19:00 PM
Surr: Dibromofluoromethane	80.0	70-130		%REC	1	12/16/99 9:19:00 PM
Surr: Toluene-d8	74.4	70-130		%REC	1	12/16/99 9:19:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-10A

**Client Sample ID:** SA71-WC10  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		<b>Analyst: SK</b>		
Dichlorodifluoromethane	ND	78		µg/Kg-dry	1	12/16/99 9:54:00 PM
Chloromethane	ND	78		µg/Kg-dry	1	12/16/99 9:54:00 PM
Vinyl chloride	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Chloroethane	ND	78		µg/Kg-dry	1	12/16/99 9:54:00 PM
Bromomethane	ND	78		µg/Kg-dry	1	12/16/99 9:54:00 PM
Trichlorofluoromethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Acetone	ND	390		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,1-Dichloroethene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Carbon disulfide	ND	78		µg/Kg-dry	1	12/16/99 9:54:00 PM
Methylene chloride	ND	78		µg/Kg-dry	1	12/16/99 9:54:00 PM
Methyl tert-butyl ether	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
trans-1,2-Dichloroethene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,1-Dichloroethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
2-Butanone	ND	390		µg/Kg-dry	1	12/16/99 9:54:00 PM
2,2-Dichloropropane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
cis-1,2-Dichloroethene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Chloroform	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Bromochloromethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,1,1-Trichloroethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,1-Dichloropropene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Carbon tetrachloride	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2-Dichloroethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Benzene	64	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Trichloroethene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2-Dichloropropane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Bromodichloromethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Dibromomethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
4-Methyl-2-pentanone	ND	390		µg/Kg-dry	1	12/16/99 9:54:00 PM
cis-1,3-Dichloropropene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Toluene	130	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
trans-1,3-Dichloropropene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,1,2-Trichloroethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2-Dibromoethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
2-Hexanone	ND	390		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,3-Dichloropropane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Tetrachloroethene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Dibromochloromethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Chlorobenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,1,1,2-Tetrachloroethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Ethylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-10A

**Client Sample ID:** SA71-WC10  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	110	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
o-Xylene	60	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Styrene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Bromoform	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Isopropylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,1,2,2-Tetrachloroethane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2,3-Trichloropropane	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Bromobenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
n-Propylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
2-Chlorotoluene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
4-Chlorotoluene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,3,5-Trimethylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
tert-Butylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2,4-Trimethylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
sec-Butylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
4-Isopropyltoluene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,3-Dichlorobenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,4-Dichlorobenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
n-Butylbenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2-Dichlorobenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2-Dibromo-3-chloropropane	ND	78		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2,4-Trichlorobenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Hexachlorobutadiene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Naphthalene	350	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
1,2,3-Trichlorobenzene	ND	39		µg/Kg-dry	1	12/16/99 9:54:00 PM
Surr: 1,2-Dichloroethane-d4	70.4	70-130		%REC	1	12/16/99 9:54:00 PM
Surr: 4-Bromofluorobenzene	59.5	70-130	S	%REC	1	12/16/99 9:54:00 PM
Surr: Dibromofluoromethane	78.2	70-130		%REC	1	12/16/99 9:54:00 PM
Surr: Toluene-d8	70.9	70-130		%REC	1	12/16/99 9:54:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

Client Sample ID: SA71-WC11

Lab Order: 9912133

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-11A

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		Analyst: SK		
Dichlorodifluoromethane	ND	64		µg/Kg-dry	1	12/16/99 10:30:00 PM
Chloromethane	ND	64		µg/Kg-dry	1	12/16/99 10:30:00 PM
Vinyl chloride	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Chloroethane	ND	64		µg/Kg-dry	1	12/16/99 10:30:00 PM
Bromomethane	ND	64		µg/Kg-dry	1	12/16/99 10:30:00 PM
Trichlorofluoromethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Acetone	ND	320		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,1-Dichloroethene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Carbon disulfide	ND	64		µg/Kg-dry	1	12/16/99 10:30:00 PM
Methylene chloride	ND	64		µg/Kg-dry	1	12/16/99 10:30:00 PM
Methyl tert-butyl ether	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
trans-1,2-Dichloroethene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,1-Dichloroethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
2-Butanone	ND	320		µg/Kg-dry	1	12/16/99 10:30:00 PM
2,2-Dichloropropane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
cis-1,2-Dichloroethene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Chloroform	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Bromochloromethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,1,1-Trichloroethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,1-Dichloropropene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Carbon tetrachloride	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2-Dichloroethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Benzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Trichloroethene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2-Dichloropropane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Bromodichloromethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Dibromomethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
4-Methyl-2-pentanone	ND	320		µg/Kg-dry	1	12/16/99 10:30:00 PM
cis-1,3-Dichloropropene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Toluene	43	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
trans-1,3-Dichloropropene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,1,2-Trichloroethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2-Dibromoethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
2-Hexanone	ND	320		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,3-Dichloropropane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Tetrachloroethene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Dibromochloromethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Chlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,1,1,2-Tetrachloroethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Ethylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-11A

**Client Sample ID:** SA71-WC11  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	43	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
o-Xylene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Styrene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Bromoform	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Isopropylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,1,2,2-Tetrachloroethane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2,3-Trichloropropane	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Bromobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
n-Propylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
2-Chlorotoluene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
4-Chlorotoluene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,3,5-Trimethylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
tert-Butylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2,4-Trimethylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
sec-Butylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
4-Isopropyltoluene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,3-Dichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,4-Dichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
n-Butylbenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2-Dichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2-Dibromo-3-chloropropane	ND	64		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2,4-Trichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Hexachlorobutadiene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Naphthalene	140	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
1,2,3-Trichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PM
Surr: 1,2-Dichloroethane-d4	69.3	70-130	S	%REC	1	12/16/99 10:30:00 PM
Surr: 4-Bromofluorobenzene	61.1	70-130	S	%REC	1	12/16/99 10:30:00 PM
Surr: Dibromofluoromethane	77.1	70-130		%REC	1	12/16/99 10:30:00 PM
Surr: Toluene-d8	71.6	70-130		%REC	1	12/16/99 10:30:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-12A

**Client Sample ID:** SA71-WC12  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		<b>Analyst: SK</b>		
Dichlorodifluoromethane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloromethane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Vinyl chloride	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloroethane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromomethane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Trichlorofluoromethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Acetone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Carbon disulfide	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Methylene chloride	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Methyl tert-butyl ether	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
trans-1,2-Dichloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
2-Butanone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
2,2-Dichloropropane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
cis-1,2-Dichloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloroform	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromochloromethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,1-Trichloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloropropene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Carbon tetrachloride	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Benzene	40	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Trichloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichloropropane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromodichloromethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Dibromomethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
4-Methyl-2-pentanone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
cis-1,3-Dichloropropene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Toluene	70	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
trans-1,3-Dichloropropene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,2-Trichloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dibromoethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
2-Hexanone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,3-Dichloropropane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Tetrachloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Dibromochloromethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Chlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,1,2-Tetrachloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Ethylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range



**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC12**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-12A**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	83	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
o-Xylene	38	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Styrene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromoform	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Isopropylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,2,2-Tetrachloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2,3-Trichloropropane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
n-Propylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
2-Chlorotoluene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
4-Chlorotoluene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,3,5-Trimethylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
tert-Butylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2,4-Trimethylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
sec-Butylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
4-Isopropyltoluene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,3-Dichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,4-Dichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
n-Butylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dibromo-3-chloropropane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2,4-Trichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Hexachlorobutadiene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Naphthalene	150	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2,3-Trichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Surr: 1,2-Dichloroethane-d4	71.3	70-130		%REC	1	12/16/99 11:05:00 PM
Surr: 4-Bromofluorobenzene	68.4	70-130	S	%REC	1	12/16/99 11:05:00 PM
Surr: Dibromofluoromethane	79.6	70-130		%REC	1	12/16/99 11:05:00 PM
Surr: Toluene-d8	74.5	70-130		%REC	1	12/16/99 11:05:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

Client Sample ID: TRIP BLANK

Lab Order: 9912133

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-13A

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>VOLATILES BY GC/MS, MEDIUM-LEVEL</b>		<b>SW8260B</b>		Analyst: RP		
Dichlorodifluoromethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Chloromethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Vinyl chloride	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Chloroethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Bromomethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Trichlorofluoromethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Acetone	ND	250		µg/Kg	1	12/28/99 7:40:00 PM
1,1-Dichloroethene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Carbon disulfide	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Methylene chloride	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
trans-1,2-Dichloroethene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,1-Dichloroethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
2-Butanone	ND	250		µg/Kg	1	12/28/99 7:40:00 PM
2,2-Dichloropropane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
cis-1,2-Dichloroethene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Chloroform	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Bromochloromethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,1,1-Trichloroethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,1-Dichloropropene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Carbon tetrachloride	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2-Dichloroethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Benzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Trichloroethene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2-Dichloropropane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Bromodichloromethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Dibromomethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
4-Methyl-2-pentanone	ND	250		µg/Kg	1	12/28/99 7:40:00 PM
cis-1,3-Dichloropropene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Toluene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
trans-1,3-Dichloropropene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,1,2-Trichloroethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2-Dibromoethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
2-Hexanone	ND	250		µg/Kg	1	12/28/99 7:40:00 PM
1,3-Dichloropropane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Tetrachloroethene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Dibromochloromethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Chlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,1,1,2-Tetrachloroethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Ethylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-13A

**Client Sample ID:** TRIP BLANK  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
o-Xylene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Styrene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Bromoform	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Isopropylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,1,2,2-Tetrachloroethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2,3-Trichloropropane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Bromobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
n-Propylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
2-Chlorotoluene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
4-Chlorotoluene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,3,5-Trimethylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
tert-Butylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2,4-Trimethylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
sec-Butylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
4-Isopropyltoluene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
n-Butylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
1,2,4-Trichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Hexachlorobutadiene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Naphthalene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2,3-Trichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	12/28/99 7:40:00 PM
Surr: 4-Bromofluorobenzene	103	70-130		%REC	1	12/28/99 7:40:00 PM
Surr: Dibromofluoromethane	98.6	70-130		%REC	1	12/28/99 7:40:00 PM
Surr: Toluene-d8	103	70-130		%REC	1	12/28/99 7:40:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-01C

**Client Sample ID:** SA71-WC01  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
Phenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Bis(2-chloroethyl)ether	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2-Chlorophenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
1,3-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
1,4-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benzyl alcohol	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
2-Methylphenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
1,2-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Bis(2-chloroisopropyl)ether	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
4-Methylphenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
N-Nitrosodi-n-propylamine	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Hexachloroethane	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Nitrobenzene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Isophorone	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2,4-Dimethylphenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benzoic acid	770	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
2-Nitrophenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Bis(2-chloroethoxy)methane	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2,4-Dichlorophenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
1,2,4-Trichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Naphthalene	500	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
4-Chloroaniline	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Hexachlorobutadiene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
4-Chloro-3-methylphenol	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
2-Methylnaphthalene	610	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Hexachlorocyclopentadiene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2,4,6-Trichlorophenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2,4,5-Trichlorophenol	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2-Chloronaphthalene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2-Nitroaniline	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
Dimethyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2,6-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Acenaphthylene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
3-Nitroaniline	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
4-Nitrophenol	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
2,4-Dinitrophenol	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
Acenaphthene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
2,4-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Dibenzofuran	310	300		µg/Kg-dry	1	12/20/99 3:23:00 PM

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-01C

**Client Sample ID:** SA71-WC01  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
4-Chlorophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Fluorene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
4-Nitroaniline	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
4,6-Dinitro-2-methylphenol	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
N-Nitrosodiphenylamine	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
4-Bromophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Hexachlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Pentachlorophenol	ND	600		µg/Kg-dry	1	12/20/99 3:23:00 PM
Phenanthrene	760	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Anthracene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Carbazole	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Di-n-butyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Fluoranthene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benzidine	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Pyrene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Butyl benzyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Bis(2-ethylhexyl)phthalate	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
3,3'-Dichlorobenzidine	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benz(a)anthracene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Chrysene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Di-n-octyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benzo(b)fluoranthene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benzo(k)fluoranthene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benzo(a)pyrene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Dibenz(a,h)anthracene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Indeno(1,2,3-cd)pyrene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Benzo(g,h,i)perylene	ND	300		µg/Kg-dry	1	12/20/99 3:23:00 PM
Surr: 2,4,6-Tribromophenol	58.9	40-103		%REC	1	12/20/99 3:23:00 PM
Surr: 2-Fluorobiphenyl	59.5	44-94		%REC	1	12/20/99 3:23:00 PM
Surr: 2-Fluorophenol	52.5	37-85		%REC	1	12/20/99 3:23:00 PM
Surr: 4-Terphenyl-d14	62.4	47-101		%REC	1	12/20/99 3:23:00 PM
Surr: Nitrobenzene-d5	55.8	38-90		%REC	1	12/20/99 3:23:00 PM
Surr: Phenol-d5	57.2	42-92		%REC	1	12/20/99 3:23:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-02C

**Client Sample ID:** SA71-WC02  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>				<b>Analyst: NM</b>
N-Nitrosodimethylamine	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
Phenol	330	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Bis(2-chloroethyl)ether	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2-Chlorophenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
1,3-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
1,4-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzyl alcohol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
2-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
1,2-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Bis(2-chloroisopropyl)ether	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
N-Nitrosodi-n-propylamine	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Hexachloroethane	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Nitrobenzene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Isophorone	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2,4-Dimethylphenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzoic acid	3,600	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
2-Nitrophenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Bis(2-chloroethoxy)methane	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2,4-Dichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
1,2,4-Trichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Naphthalene	1,700	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Chloroaniline	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Hexachlorobutadiene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Chloro-3-methylphenol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
2-Methylnaphthalene	2,100	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Hexachlorocyclopentadiene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2,4,6-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2,4,5-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2-Chloronaphthalene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
Dimethyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2,6-Dinitrotoluene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Acenaphthylene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
3-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Nitrophenol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
2,4-Dinitrophenol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
Acenaphthene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
2,4-Dinitrotoluene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Dibenzofuran	920	320		µg/Kg-dry	1	12/20/99 3:56:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC02**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-02C**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Chlorophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Fluorene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
4,6-Dinitro-2-methylphenol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
N-Nitrosodiphenylamine	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Bromophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Hexachlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Pentachlorophenol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
Phenanthrene	2,000	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Anthracene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Carbazole	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Di-n-butyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Fluoranthene	380	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzidine	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Pyrene	360	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Butyl benzyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Bis(2-ethylhexyl)phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
3,3'-Dichlorobenzidine	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benz(a)anthracene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Chrysene	520	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Di-n-octyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(b)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(k)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(a)pyrene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Dibenz(a,h)anthracene	ND	320		µg/Kg-dry	1	12/20/99 3:58:00 PM
Indeno(1,2,3-cd)pyrene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(g,h,i)perylene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Surr: 2,4,6-Tribromophenol	73.7	40-103		%REC	1	12/20/99 3:56:00 PM
Surr: 2-Fluorobiphenyl	70.6	44-94		%REC	1	12/20/99 3:56:00 PM
Surr: 2-Fluorophenol	63.7	37-85		%REC	1	12/20/99 3:56:00 PM
Surr: 4-Terphenyl-d14	72.9	47-101		%REC	1	12/20/99 3:56:00 PM
Surr: Nitrobenzene-d5	66.7	38-90		%REC	1	12/20/99 3:56:00 PM
Surr: Phenol-d5	68.8	42-92		%REC	1	12/20/99 3:56:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

Client Sample ID: SA71-WC03

Lab Order: 9912133

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-03C

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
Phenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Bis(2-chloroethyl)ether	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2-Chlorophenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
1,3-Dichlorobenzene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
1,4-Dichlorobenzene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benzyl alcohol	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
2-Methylphenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
1,2-Dichlorobenzene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Bis(2-chloroisopropyl)ether	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
4-Methylphenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
N-Nitrosodi-n-propylamine	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Hexachloroethane	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Nitrobenzene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Isophorone	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2,4-Dimethylphenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benzoic acid	750	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
2-Nitrophenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Bis(2-chloroethoxy)methane	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2,4-Dichlorophenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
1,2,4-Trichlorobenzene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Naphthalene	510	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
4-Chloroaniline	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Hexachlorobutadiene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
4-Chloro-3-methylphenol	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
2-Methylnaphthalene	640	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Hexachlorocyclopentadiene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2,4,6-Trichlorophenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2,4,5-Trichlorophenol	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2-Chloronaphthalene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2-Nitroaniline	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
Dimethyl phthalate	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2,6-Dinitrotoluene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Acenaphthylene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
3-Nitroaniline	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
4-Nitrophenol	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
2,4-Dinitrophenol	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
Acenaphthene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
2,4-Dinitrotoluene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Dibenzofuran	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-03C

**Client Sample ID:** SA71-WC03  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
4-Chlorophenyl phenyl ether	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Fluorene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
4-Nitroaniline	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
4,6-Dinitro-2-methylphenol	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
N-Nitrosodiphenylamine	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
4-Bromophenyl phenyl ether	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Hexachlorobenzene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Pentachlorophenol	ND	570		µg/Kg-dry	1	12/20/99 4:30:00 PM
Phenanthrene	900	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Anthracene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Carbazole	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Di-n-butyl phthalate	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Fluoranthene	300	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benzidine	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Pyrene	350	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Butyl benzyl phthalate	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Bis(2-ethylhexyl)phthalate	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
3,3'-Dichlorobenzidine	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benz(a)anthracene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Chrysene	440	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Di-n-octyl phthalate	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benzo(b)fluoranthene	280	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benzo(k)fluoranthene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benzo(a)pyrene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Dibenz(a,h)anthracene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Indeno(1,2,3-cd)pyrene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Benzo(g,h,i)perylene	ND	280		µg/Kg-dry	1	12/20/99 4:30:00 PM
Surr: 2,4,6-Tribromophenol	59.9	40-103		%REC	1	12/20/99 4:30:00 PM
Surr: 2-Fluorobiphenyl	62.3	44-94		%REC	1	12/20/99 4:30:00 PM
Surr: 2-Fluorophenol	54.6	37-85		%REC	1	12/20/99 4:30:00 PM
Surr: 4-Terphenyl-d14	66.4	47-101		%REC	1	12/20/99 4:30:00 PM
Surr: Nitrobenzene-d5	58.3	38-90		%REC	1	12/20/99 4:30:00 PM
Surr: Phenol-d5	58.7	42-92		%REC	1	12/20/99 4:30:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC04**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-04C**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>				<b>Analyst: NM</b>
N-Nitrosodimethylamine	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
Phenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Bis(2-chloroethyl)ether	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Chlorophenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
1,3-Dichlorobenzene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
1,4-Dichlorobenzene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzyl alcohol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Methylphenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
1,2-Dichlorobenzene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Bis(2-chloroisopropyl)ether	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Methylphenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
N-Nitrosodi-n-propylamine	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Hexachloroethane	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Nitrobenzene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Isophorone	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4-Dimethylphenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzoic acid	5,300	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Nitrophenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Bis(2-chloroethoxy)methane	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4-Dichlorophenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
1,2,4-Trichlorobenzene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Naphthalene	670	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Chloroaniline	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Hexachlorobutadiene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Chloro-3-methylphenol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Methylnaphthalene	1,000	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Hexachlorocyclopentadiene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4,6-Trichlorophenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4,5-Trichlorophenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Chloronaphthalene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Nitroaniline	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
Dimethyl phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,6-Dinitrotoluene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Acenaphthylene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
3-Nitroaniline	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Nitrophenol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4-Dinitrophenol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
Acenaphthene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4-Dinitrotoluene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Dibenzofuran	450	310		µg/Kg-dry	1	12/20/99 6:10:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.  
Lab Order: 9912133  
Project: SA71-Devens  
Lab ID: 9912133-04C

Client Sample ID: SA71-WC04  
Tag Number:  
Collection Date: 12/14/99  
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Chlorophenyl phenyl ether	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Fluorene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Nitroaniline	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
4,6-Dinitro-2-methylphenol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
N-Nitrosodiphenylamine	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Bromophenyl phenyl ether	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Hexachlorobenzene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Pentachlorophenol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
Phenanthrene	1,500	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Anthracene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Carbazole	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Di-n-butyl phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Fluoranthene	480	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzidine	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Pyrene	670	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Butyl benzyl phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Bis(2-ethylhexyl)phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
3,3'-Dichlorobenzidine	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benz(a)anthracene	410	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Chrysene	740	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Di-n-octyl phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzo(b)fluoranthene	380	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzo(k)fluoranthene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzo(a)pyrene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Dibenz(a,h)anthracene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Indeno(1,2,3-cd)pyrene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzo(g,h,i)perylene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Surr: 2,4,6-Tribromophenol	72.7	40-103		%REC	1	12/20/99 6:10:00 PM
Surr: 2-Fluorobiphenyl	74.6	44-94		%REC	1	12/20/99 6:10:00 PM
Surr: 2-Fluorophenol	66.4	37-85		%REC	1	12/20/99 6:10:00 PM
Surr: 4-Terphenyl-d14	77.8	47-101		%REC	1	12/20/99 6:10:00 PM
Surr: Nitrobenzene-d5	71.9	38-90		%REC	1	12/20/99 6:10:00 PM
Surr: Phenol-d5	72.2	42-92		%REC	1	12/20/99 6:10:00 PM

Qualifiers: \* ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC05**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-05C**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
Phenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Bis(2-chloroethyl)ether	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2-Chlorophenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
1,3-Dichlorobenzene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
1,4-Dichlorobenzene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benzyl alcohol	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
2-Methylphenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
1,2-Dichlorobenzene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Bis(2-chloroisopropyl)ether	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Methylphenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
N-Nitrosodi-n-propylamine	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Hexachloroethane	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Nitrobenzene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Isophorone	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2,4-Dimethylphenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benzoic acid	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
2-Nitrophenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Bis(2-chloroethoxy)methane	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2,4-Dichlorophenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
1,2,4-Trichlorobenzene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Naphthalene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Chloroaniline	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Hexachlorobutadiene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Chloro-3-methylphenol	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
2-Methylnaphthalene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Hexachlorocyclopentadiene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2,4,6-Trichlorophenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2,4,5-Trichlorophenol	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2-Chloronaphthalene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2-Nitroaniline	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
Dimethyl phthalate	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2,6-Dinitrotoluene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Acenaphthylene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
3-Nitroaniline	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Nitrophenol	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
2,4-Dinitrophenol	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
Acenaphthene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
2,4-Dinitrotoluene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Dibenzofuran	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC05**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-05C**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Chlorophenyl phenyl ether	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Fluorene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Nitroaniline	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
4,6-Dinitro-2-methylphenol	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
N-Nitrosodiphenylamine	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Bromophenyl phenyl ether	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Hexachlorobenzene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Pentachlorophenol	ND	670		µg/Kg-dry	1	12/20/99 6:43:00 PM
Phenanthrene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Anthracene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Carbazole	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Di-n-butyl phthalate	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Fluoranthene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benzidine	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Pyrene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Butyl benzyl phthalate	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Bis(2-ethylhexyl)phthalate	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
3,3'-Dichlorobenzidine	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benz(a)anthracene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Chrysene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Di-n-octyl phthalate	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benzo(b)fluoranthene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benzo(k)fluoranthene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benzo(a)pyrene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Dibenz(a,h)anthracene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Indeno(1,2,3-cd)pyrene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Benzo(g,h,i)perylene	ND	340		µg/Kg-dry	1	12/20/99 6:43:00 PM
Surr: 2,4,6-Tribromophenol	57.3	40-103		%REC	1	12/20/99 6:43:00 PM
Surr: 2-Fluorobiphenyl	63.5	44-94		%REC	1	12/20/99 6:43:00 PM
Surr: 2-Fluorophenol	56.7	37-85		%REC	1	12/20/99 6:43:00 PM
Surr: 4-Terphenyl-d14	64.8	47-101		%REC	1	12/20/99 6:43:00 PM
Surr: Nitrobenzene-d5	59.5	38-90		%REC	1	12/20/99 6:43:00 PM
Surr: Phenol-d5	62.4	42-92		%REC	1	12/20/99 6:43:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-06C

**Client Sample ID:** SA71-WC06  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
Phenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroethyl)ether	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Chlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,3-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,4-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzyl alcohol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,2-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroisopropyl)ether	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
N-Nitrosodi-n-propylamine	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachloroethane	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Nitrobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Isophorone	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dimethylphenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzoic acid	1,300	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Nitrophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroethoxy)methane	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,2,4-Trichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Naphthalene	680	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Chloroaniline	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachlorobutadiene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Chloro-3-methylphenol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Methylnaphthalene	740	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachlorocyclopentadiene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4,6-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4,5-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Chloronaphthalene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
Dimethyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,6-Dinitrotoluene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Acenaphthylene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
3-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Nitrophenol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dinitrophenol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
Acenaphthene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dinitrotoluene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Dibenzofuran	330	320		µg/Kg-dry	1	12/20/99 7:17:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-06C

**Client Sample ID:** SA71-WC06  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Chlorophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Fluorene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
4,6-Dinitro-2-methylphenol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
N-Nitrosodiphenylamine	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Bromophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Pentachlorophenol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
Phenanthrene	880	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Anthracene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Carbazole	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Di-n-butyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzidine	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Pyrene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Butyl benzyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-ethylhexyl)phthalate	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
3,3'-Dichlorobenzidine	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benz(a)anthracene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Chrysene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Di-n-octyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzo(b)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzo(k)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzo(a)pyrene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Dibenz(a,h)anthracene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Indeno(1,2,3-cd)pyrene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzo(g,h,i)perylene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Surr: 2,4,6-Tribromophenol	67.6	40-103		%REC	1	12/20/99 7:17:00 PM
Surr: 2-Fluorobiphenyl	69.2	44-94		%REC	1	12/20/99 7:17:00 PM
Surr: 2-Fluorophenol	59.8	37-85		%REC	1	12/20/99 7:17:00 PM
Surr: 4-Terphenyl-d14	70.0	47-101		%REC	1	12/20/99 7:17:00 PM
Surr: Nitrobenzene-d5	65.1	38-90		%REC	1	12/20/99 7:17:00 PM
Surr: Phenol-d5	66.3	42-92		%REC	1	12/20/99 7:17:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

Client Sample ID: SA71-WC07

Lab Order: 9912133

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-07C

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
Phenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Bis(2-chloroethyl)ether	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2-Chlorophenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
1,3-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
1,4-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benzyl alcohol	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
2-Methylphenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
1,2-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Bis(2-chloroisopropyl)ether	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
4-Methylphenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
N-Nitrosodi-n-propylamine	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Hexachloroethane	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Nitrobenzene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Isophorone	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2,4-Dimethylphenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benzoic acid	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
2-Nitrophenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Bis(2-chloroethoxy)methane	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2,4-Dichlorophenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
1,2,4-Trichlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Naphthalene	400	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
4-Chloroaniline	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Hexachlorobutadiene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
4-Chloro-3-methylphenol	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
2-Methylnaphthalene	550	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Hexachlorocyclopentadiene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2,4,6-Trichlorophenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2,4,5-Trichlorophenol	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2-Chloronaphthalene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2-Nitroaniline	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
Dimethyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2,6-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Acenaphthylene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
3-Nitroaniline	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
4-Nitrophenol	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
2,4-Dinitrophenol	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
Acenaphthene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
2,4-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Dibenzofuran	300	300		µg/Kg-dry	1	12/20/99 7:50:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC07**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-07C**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
4-Chlorophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Fluorene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
4-Nitroaniline	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
4,6-Dinitro-2-methylphenol	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
N-Nitrosodiphenylamine	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
4-Bromophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Hexachlorobenzene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Pentachlorophenol	ND	590		µg/Kg-dry	1	12/20/99 7:50:00 PM
Phenanthrene	1,200	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Anthracene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Carbazole	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Di-n-butyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Fluoranthene	520	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benzidine	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Pyrene	440	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Butyl benzyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Bis(2-ethylhexyl)phthalate	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
3,3'-Dichlorobenzidine	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benz(a)anthracene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Chrysene	310	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Di-n-octyl phthalate	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benzo(b)fluoranthene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benzo(k)fluoranthene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benzo(a)pyrene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Dibenz(a,h)anthracene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Indeno(1,2,3-cd)pyrene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Benzo(g,h,i)perylene	ND	300		µg/Kg-dry	1	12/20/99 7:50:00 PM
Surr: 2,4,6-Tribromophenol	71.2	40-103		%REC	1	12/20/99 7:50:00 PM
Surr: 2-Fluorobiphenyl	70.4	44-94		%REC	1	12/20/99 7:50:00 PM
Surr: 2-Fluorophenol	62.3	37-85		%REC	1	12/20/99 7:50:00 PM
Surr: 4-Terphenyl-d14	73.3	47-101		%REC	1	12/20/99 7:50:00 PM
Surr: Nitrobenzene-d5	66.8	38-90		%REC	1	12/20/99 7:50:00 PM
Surr: Phenol-d5	68.2	42-92		%REC	1	12/20/99 7:50:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

Client Sample ID: SA71-WC08

Lab Order: 9912133

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-08C

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		Analyst: NM		
N-Nitrosodimethylamine	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
Phenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Bis(2-chloroethyl)ether	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2-Chlorophenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
1,3-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
1,4-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benzyl alcohol	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
2-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
1,2-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Bis(2-chloroisopropyl)ether	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
4-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
N-Nitrosodi-n-propylamine	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Hexachloroethane	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Nitrobenzene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Isophorone	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2,4-Dimethylphenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benzoic acid	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
2-Nitrophenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Bis(2-chloroethoxy)methane	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2,4-Dichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
1,2,4-Trichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Naphthalene	340	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
4-Chloroaniline	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Hexachlorobutadiene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
4-Chloro-3-methylphenol	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
2-Methylnaphthalene	450	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Hexachlorocyclopentadiene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2,4,6-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2,4,5-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2-Chloronaphthalene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2-Nitroaniline	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
Dimethyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2,6-Dinitrotoluene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Acenaphthylene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
3-Nitroaniline	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
4-Nitrophenol	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
2,4-Dinitrophenol	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
Acenaphthene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2,4-Dinitrotoluene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Dibenzofuran	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-08C

**Client Sample ID:** SA71-WC08  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
4-Chlorophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Fluorene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
4-Nitroaniline	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
4,6-Dinitro-2-methylphenol	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
N-Nitrosodiphenylamine	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
4-Bromophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Hexachlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Pentachlorophenol	ND	630		µg/Kg-dry	1	12/20/99 8:24:00 PM
Phenanthrene	470	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Anthracene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Carbazole	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Di-n-butyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benzidine	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Pyrene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Butyl benzyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Bis(2-ethylhexyl)phthalate	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
3,3'-Dichlorobenzidine	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benz(a)anthracene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Chrysene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Di-n-octyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benzo(b)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benzo(k)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benzo(a)pyrene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Dibenz(a,h)anthracene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Indeno(1,2,3-cd)pyrene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Benzo(g,h,i)perylene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
Surr: 2,4,6-Tribromophenol	59.9	40-103		%REC	1	12/20/99 8:24:00 PM
Surr: 2-Fluorobiphenyl	61.5	44-94		%REC	1	12/20/99 8:24:00 PM
Surr: 2-Fluorophenol	53.1	37-85		%REC	1	12/20/99 8:24:00 PM
Surr: 4-Terphenyl-d14	60.6	47-101		%REC	1	12/20/99 8:24:00 PM
Surr: Nitrobenzene-d5	55.7	38-90		%REC	1	12/20/99 8:24:00 PM
Surr: Phenol-d5	57.9	42-92		%REC	1	12/20/99 8:24:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-09C

**Client Sample ID:** SA71-WC09  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
Phenol	810	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Bis(2-chloroethyl)ether	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Chlorophenol	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,3-Dichlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,4-Dichlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzyl alcohol	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Methylphenol	670	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,2-Dichlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Bis(2-chloroisopropyl)ether	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Methylphenol	1,300	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
N-Nitrosodi-n-propylamine	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Hexachloroethane	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Nitrobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Isophorone	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,4-Dimethylphenol	340	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzoic acid	3,200	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Nitrophenol	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Bis(2-chloroethoxy)methane	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,4-Dichlorophenol	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,2,4-Trichlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Naphthalene	1,800	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Chloroaniline	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Hexachlorobutadiene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Chloro-3-methylphenol	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Methylnaphthalene	2,600	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Hexachlorocyclopentadiene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,4,6-Trichlorophenol	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,4,5-Trichlorophenol	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Chloronaphthalene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Nitroaniline	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
Dimethyl phthalate	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,6-Dinitrotoluene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Acenaphthylene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
3-Nitroaniline	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Nitrophenol	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,4-Dinitrophenol	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
Acenaphthene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,4-Dinitrotoluene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Dibenzofuran	1,700	290		µg/Kg-dry	1	12/20/99 8:57:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-09C

**Client Sample ID:** SA71-WC09  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Chlorophenyl phenyl ether	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Fluorene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Nitroaniline	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
4,6-Dinitro-2-methylphenol	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
N-Nitrosodiphenylamine	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Bromophenyl phenyl ether	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Hexachlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Pentachlorophenol	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
Phenanthrene	5,600	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Anthracene	580	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Carbazole	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Di-n-butyl phthalate	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Fluoranthene	1,400	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzidine	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Pyrene	1,900	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Butyl benzyl phthalate	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Bis(2-ethylhexyl)phthalate	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
3,3'-Dichlorobenzidine	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benz(a)anthracene	1,400	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Chrysene	3,100	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Di-n-octyl phthalate	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzo(b)fluoranthene	1,100	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzo(k)fluoranthene	290	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzo(a)pyrene	490	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Dibenz(a,h)anthracene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Indeno(1,2,3-cd)pyrene	290	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzo(g,h,i)perylene	320	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Surr: 2,4,6-Tribromophenol	62.5	40-103		%REC	1	12/20/99 8:57:00 PM
Surr: 2-Fluorobiphenyl	60.6	44-94		%REC	1	12/20/99 8:57:00 PM
Surr: 2-Fluorophenol	54.0	37-85		%REC	1	12/20/99 8:57:00 PM
Surr: 4-Terphenyl-d14	62.4	47-101		%REC	1	12/20/99 8:57:00 PM
Surr: Nitrobenzene-d5	56.1	38-90		%REC	1	12/20/99 8:57:00 PM
Surr: Phenol-d5	56.5	42-92		%REC	1	12/20/99 8:57:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-10C

**Client Sample ID:** SA71-WC10  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
Phenol	560	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Bis(2-chloroethyl)ether	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2-Chlorophenol	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
1,3-Dichlorobenzene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
1,4-Dichlorobenzene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benzyl alcohol	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
2-Methylphenol	460	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
1,2-Dichlorobenzene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Bis(2-chloroisopropyl)ether	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
4-Methylphenol	920	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
N-Nitrosodi-n-propylamine	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Hexachloroethane	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Nitrobenzene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Isophorone	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2,4-Dimethylphenol	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benzoic acid	2,900	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
2-Nitrophenol	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Bis(2-chloroethoxy)methane	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2,4-Dichlorophenol	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
1,2,4-Trichlorobenzene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Naphthalene	1,700	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
4-Chloroaniline	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Hexachlorobutadiene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
4-Chloro-3-methylphenol	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
2-Methylnaphthalene	2,100	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Hexachlorocyclopentadiene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2,4,6-Trichlorophenol	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2,4,5-Trichlorophenol	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2-Chloronaphthalene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2-Nitroaniline	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
Dimethyl phthalate	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2,6-Dinitrotoluene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Acenaphthylene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
3-Nitroaniline	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
4-Nitrophenol	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
2,4-Dinitrophenol	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
Acenaphthene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
2,4-Dinitrotoluene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Dibenzofuran	1,600	390		µg/Kg-dry	1	12/20/99 9:31:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-10C

**Client Sample ID:** SA71-WC10  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
4-Chlorophenyl phenyl ether	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Fluorene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
4-Nitroaniline	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
4,6-Dinitro-2-methylphenol	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
N-Nitrosodiphenylamine	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
4-Bromophenyl phenyl ether	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Hexachlorobenzene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Pentachlorophenol	ND	780		µg/Kg-dry	1	12/20/99 9:31:00 PM
Phenanthrene	5,000	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Anthracene	660	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Carbazole	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Di-n-butyl phthalate	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Fluoranthene	2,200	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benzidine	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Pyrene	2,200	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Butyl benzyl phthalate	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Bis(2-ethylhexyl)phthalate	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
3,3'-Dichlorobenzidine	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benz(a)anthracene	1,400	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Chrysene	1,900	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Di-n-octyl phthalate	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benzo(b)fluoranthene	1,400	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benzo(k)fluoranthene	510	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benzo(a)pyrene	960	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Dibenz(a,h)anthracene	ND	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Indeno(1,2,3-cd)pyrene	670	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Benzo(g,h,i)perylene	630	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
Surr: 2,4,6-Tribromophenol	70.1	40-103		%REC	1	12/20/99 9:31:00 PM
Surr: 2-Fluorobiphenyl	65.6	44-94		%REC	1	12/20/99 9:31:00 PM
Surr: 2-Fluorophenol	58.6	37-85		%REC	1	12/20/99 9:31:00 PM
Surr: 4-Terphenyl-d14	66.5	47-101		%REC	1	12/20/99 9:31:00 PM
Surr: Nitrobenzene-d5	61.8	38-90		%REC	1	12/20/99 9:31:00 PM
Surr: Phenol-d5	63.4	42-92		%REC	1	12/20/99 9:31:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-11C

**Client Sample ID:** SA71-WC11  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
Phenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Bis(2-chloroethyl)ether	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2-Chlorophenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
1,3-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
1,4-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benzyl alcohol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
2-Methylphenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
1,2-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Bis(2-chloroisopropyl)ether	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Methylphenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
N-Nitrosodi-n-propylamine	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Hexachloroethane	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Nitrobenzene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Isophorone	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2,4-Dimethylphenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benzoic acid	1,700	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
2-Nitrophenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Bis(2-chloroethoxy)methane	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2,4-Dichlorophenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
1,2,4-Trichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Naphthalene	1,200	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Chloroaniline	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Hexachlorobutadiene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Chloro-3-methylphenol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
2-Methylnaphthalene	1,600	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Hexachlorocyclopentadiene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2,4,6-Trichlorophenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2,4,5-Trichlorophenol	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2-Chloronaphthalene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2-Nitroaniline	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
Dimethyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2,6-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Acenaphthylene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
3-Nitroaniline	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Nitrophenol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
2,4-Dinitrophenol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
Acenaphthene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
2,4-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Dibenzofuran	710	300		µg/Kg-dry	1	12/21/99 3:49:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range



# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-11C

**Client Sample ID:** SA71-WC11  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Chlorophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Fluorene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Nitroaniline	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
4,6-Dinitro-2-methylphenol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
N-Nitrosodiphenylamine	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Bromophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Hexachlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Pentachlorophenol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
Phenanthrene	1,600	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Anthracene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Carbazole	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Di-n-butyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Fluoranthene	320	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benidine	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Pyrene	390	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Butyl benzyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Bis(2-ethylhexyl)phthalate	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
3,3'-Dichlorobenzidine	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benz(a)anthracene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Chrysene	490	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Di-n-octyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benzo(b)fluoranthene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benzo(k)fluoranthene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benzo(a)pyrene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Dibenz(a,h)anthracene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Indeno(1,2,3-cd)pyrene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Benzo(g,h,i)perylene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Surr: 2,4,6-Tribromophenol	75.4	40-103		%REC	1	12/21/99 3:49:00 PM
Surr: 2-Fluorobiphenyl	72.0	44-94		%REC	1	12/21/99 3:49:00 PM
Surr: 2-Fluorophenol	61.0	37-85		%REC	1	12/21/99 3:49:00 PM
Surr: 4-Terphenyl-d14	75.1	47-101		%REC	1	12/21/99 3:49:00 PM
Surr: Nitrobenzene-d5	66.3	38-90		%REC	1	12/21/99 3:49:00 PM
Surr: Phenol-d5	66.2	42-92		%REC	1	12/21/99 3:49:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-12C

**Client Sample ID:** SA71-WC12  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILE ORGANICS, SOIL/SOLIDS</b>		<b>SW8270C</b>		<b>Analyst: NM</b>		
N-Nitrosodimethylamine	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
Phenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Bis(2-chloroethyl)ether	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2-Chlorophenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
1,3-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
1,4-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzyl alcohol	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
2-Methylphenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
1,2-Dichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Bis(2-chloroisopropyl)ether	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Methylphenol	360	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
N-Nitrosodi-n-propylamine	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Hexachloroethane	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Nitrobenzene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Isophorone	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2,4-Dimethylphenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzoic acid	1,700	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
2-Nitrophenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Bis(2-chloroethoxy)methane	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2,4-Dichlorophenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
1,2,4-Trichlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Naphthalene	680	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Chloroaniline	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Hexachlorobutadiene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Chloro-3-methylphenol	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
2-Methylnaphthalene	1,200	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Hexachlorocyclopentadiene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2,4,6-Trichlorophenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2,4,5-Trichlorophenol	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2-Chloronaphthalene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2-Nitroaniline	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
Dimethyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2,6-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Acenaphthylene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
3-Nitroaniline	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Nitrophenol	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
2,4-Dinitrophenol	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
Acenaphthene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
2,4-Dinitrotoluene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Dibenzofuran	520	300		µg/Kg-dry	1	12/21/99 4:23:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-12C

**Client Sample ID:** SA71-WC12  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Chlorophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Fluorene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Nitroaniline	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
4,6-Dinitro-2-methylphenol	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
N-Nitrosodiphenylamine	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Bromophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Hexachlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Pentachlorophenol	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
Phenanthrene	2,300	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Anthracene	340	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Carbazole	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Di-n-butyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Fluoranthene	840	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzidine	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Pyrene	1,200	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Butyl benzyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Bis(2-ethylhexyl)phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
3,3'-Dichlorobenzidine	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benz(a)anthracene	1,600	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Chrysene	2,500	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Di-n-octyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(b)fluoranthene	1,800	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(k)fluoranthene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(a)pyrene	670	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Dibenz(a,h)anthracene	370	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Indeno(1,2,3-cd)pyrene	440	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(g,h,i)perylene	650	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Surr: 2,4,6-Tribromophenol	71.2	40-103		%REC	1	12/21/99 4:23:00 PM
Surr: 2-Fluorobiphenyl	61.4	44-94		%REC	1	12/21/99 4:23:00 PM
Surr: 2-Fluorophenol	49.1	37-85		%REC	1	12/21/99 4:23:00 PM
Surr: 4-Terphenyl-d14	71.7	47-101		%REC	1	12/21/99 4:23:00 PM
Surr: Nitrobenzene-d5	54.9	38-90		%REC	1	12/21/99 4:23:00 PM
Surr: Phenol-d5	57.0	42-92		%REC	1	12/21/99 4:23:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-01C

**Client Sample ID:** SA71-WC01  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.8		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.8		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.8		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDE	15	9.7		µg/Kg-dry	5	01/03/00
Endrin	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.7		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	48		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	150		µg/Kg-dry	5	01/03/00
Toxaphene	ND	150		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	108	65-157		%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	100	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1221	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1232	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1242	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1248	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1254	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1260	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Surr: Decachlorobiphenyl	114	65-157		%REC	1	12/22/99 7:31:00 AM
Surr: Tetrachloro-m-xylene	94.4	64-124		%REC	1	12/22/99 7:31:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-02C

**Client Sample ID:** SA71-WC02  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>				Analyst: KEM
alpha-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
beta-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
delta-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
Heptachlor	ND	5.1		µg/Kg-dry	5	01/03/00
Aldrin	ND	5.1		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	5.1		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	5.1		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	5.1		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	5.1		µg/Kg-dry	5	01/03/00
Dieldrin	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDE	20	10		µg/Kg-dry	5	01/03/00
Endrin	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	10		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	10		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDT	29	10	#	µg/Kg-dry	5	01/03/00
Methoxychlor	ND	51		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	160		µg/Kg-dry	5	01/03/00
Toxaphene	ND	160		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	144	65-157		%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	110	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>				Analyst: RAP
Aroclor 1016	ND	33		µg/Kg-dry	1	12/22/99 7:58:00 AM
Aroclor 1221	ND	33		µg/Kg-dry	1	12/22/99 7:58:00 AM
Aroclor 1232	ND	33		µg/Kg-dry	1	12/22/99 7:58:00 AM
Aroclor 1242	ND	33		µg/Kg-dry	1	12/22/99 7:58:00 AM
Aroclor 1248	ND	33		µg/Kg-dry	1	12/22/99 7:58:00 AM
Aroclor 1254	ND	33		µg/Kg-dry	1	12/22/99 7:58:00 AM
Aroclor 1260	ND	33		µg/Kg-dry	1	12/22/99 7:58:00 AM
Surr: Decachlorobiphenyl	104	65-157		%REC	1	12/22/99 7:58:00 AM
Surr: Tetrachloro-m-xylene	88.9	64-124		%REC	1	12/22/99 7:58:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-03C

**Client Sample ID:** SA71-WC03  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.5		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.5		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.5		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.5		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.5		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.5		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.1		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	9.1		µg/Kg-dry	5	01/03/00
Endrin	ND	9.1		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.1		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.1		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.1		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.1		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.1		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.1		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	45		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	140		µg/Kg-dry	5	01/03/00
Toxaphene	ND	140		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	198	65-157	S	%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	110	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	28		µg/Kg-dry	1	12/22/99 9:46:00 AM
Aroclor 1221	ND	28		µg/Kg-dry	1	12/22/99 9:46:00 AM
Aroclor 1232	ND	28		µg/Kg-dry	1	12/22/99 9:46:00 AM
Aroclor 1242	ND	28		µg/Kg-dry	1	12/22/99 9:46:00 AM
Aroclor 1248	ND	28		µg/Kg-dry	1	12/22/99 9:46:00 AM
Aroclor 1254	ND	28		µg/Kg-dry	1	12/22/99 9:46:00 AM
Aroclor 1260	ND	28		µg/Kg-dry	1	12/22/99 9:46:00 AM
Surr: Decachlorobiphenyl	98.4	65-157		%REC	1	12/22/99 9:46:00 AM
Surr: Tetrachloro-m-xylene	84.6	64-124		%REC	1	12/22/99 9:46:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-04C

**Client Sample ID:** SA71-WC04  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	5.0		µg/Kg-dry	5	01/03/00
beta-BHC	ND	5.0		µg/Kg-dry	5	01/03/00
delta-BHC	ND	5.0		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	5.0		µg/Kg-dry	5	01/03/00
Heptachlor	ND	5.0		µg/Kg-dry	5	01/03/00
Aldrin	ND	5.0		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	5.0		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	5.0		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	5.0		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	5.0		µg/Kg-dry	5	01/03/00
Dieldrin	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	10		µg/Kg-dry	5	01/03/00
Endrin	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	10		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	10		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	10		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	50		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	160		µg/Kg-dry	5	01/03/00
Toxaphene	ND	160		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	130	65-157		%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	113	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	31		µg/Kg-dry	1	12/22/99 10:12:00 AM
Aroclor 1221	ND	31		µg/Kg-dry	1	12/22/99 10:12:00 AM
Aroclor 1232	ND	31		µg/Kg-dry	1	12/22/99 10:12:00 AM
Aroclor 1242	ND	31		µg/Kg-dry	1	12/22/99 10:12:00 AM
Aroclor 1248	ND	31		µg/Kg-dry	1	12/22/99 10:12:00 AM
Aroclor 1254	ND	31		µg/Kg-dry	1	12/22/99 10:12:00 AM
Aroclor 1260	ND	31		µg/Kg-dry	1	12/22/99 10:12:00 AM
Surr: Decachlorobiphenyl	101	65-157		%REC	1	12/22/99 10:12:00 AM
Surr: Tetrachloro-m-xylene	84.0	64-124		%REC	1	12/22/99 10:12:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-05C

**Client Sample ID:** SA71-WC05  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		<b>Analyst: KEM</b>		
alpha-BHC	ND	5.2		µg/Kg-dry	5	01/03/00
beta-BHC	ND	5.2		µg/Kg-dry	5	01/03/00
delta-BHC	ND	5.2		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	5.2		µg/Kg-dry	5	01/03/00
Heptachlor	ND	5.2		µg/Kg-dry	5	01/03/00
Aldrin	ND	5.2		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	5.2		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	5.2		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	5.2		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	5.2		µg/Kg-dry	5	01/03/00
Dieldrin	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	10		µg/Kg-dry	5	01/03/00
Endrin	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	10		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	10		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDT	14	10	#	µg/Kg-dry	5	01/03/00
Methoxychlor	ND	52		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	160		µg/Kg-dry	5	01/03/00
Toxaphene	ND	160		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	134	65-157		%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	90.5	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		<b>Analyst: RAP</b>		
Aroclor 1016	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1221	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1232	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1242	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1248	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1254	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1260	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Surr: Decachlorobiphenyl	120	65-157		%REC	1	12/22/99 10:40:00 AM
Surr: Tetrachloro-m-xylene	97.2	64-124		%REC	1	12/22/99 10:40:00 AM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	



# AMRO Environmental Laboratories Corp.

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-06C

**Client Sample ID:** SA71-WC06  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>				<b>Analyst: KEM</b>
alpha-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
beta-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
delta-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	5.1		µg/Kg-dry	5	01/03/00
Heptachlor	ND	5.1		µg/Kg-dry	5	01/03/00
Aldrin	ND	5.1		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	5.1		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	5.1		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	5.1		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	5.1		µg/Kg-dry	5	01/03/00
Dieldrin	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	10		µg/Kg-dry	5	01/03/00
Endrin	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	10		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	10		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	10		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	10		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	10		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	51		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	160		µg/Kg-dry	5	01/03/00
Toxaphene	ND	160		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	125	65-157		%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	149	64-124	S	%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>				<b>Analyst: RAP</b>
Aroclor 1016	ND	32		µg/Kg-dry	1	12/22/99 11:07:00 AM
Aroclor 1221	ND	32		µg/Kg-dry	1	12/22/99 11:07:00 AM
Aroclor 1232	ND	32		µg/Kg-dry	1	12/22/99 11:07:00 AM
Aroclor 1242	ND	32		µg/Kg-dry	1	12/22/99 11:07:00 AM
Aroclor 1248	ND	32		µg/Kg-dry	1	12/22/99 11:07:00 AM
Aroclor 1254	ND	32		µg/Kg-dry	1	12/22/99 11:07:00 AM
Aroclor 1260	ND	32		µg/Kg-dry	1	12/22/99 11:07:00 AM
Surr: Decachlorobiphenyl	117	65-157		%REC	1	12/22/99 11:07:00 AM
Surr: Tetrachloro-m-xylene	85.6	64-124		%REC	1	12/22/99 11:07:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-07C

**Client Sample ID:** SA71-WC07  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.8		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.8		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.8		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDT	11	9.7	#	µg/Kg-dry	5	01/03/00
Methoxychlor	ND	48		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	150		µg/Kg-dry	5	01/03/00
Toxaphene	ND	150		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	129	65-157		%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	77.2	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Aroclor 1221	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Aroclor 1232	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Aroclor 1242	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Aroclor 1248	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Aroclor 1254	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Aroclor 1260	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Surr: Decachlorobiphenyl	112	65-157		%REC	1	12/22/99 11:33:00 AM
Surr: Tetrachloro-m-xylene	88.2	64-124		%REC	1	12/22/99 11:33:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-08C

**Client Sample ID:** SA71-WC08  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.9		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.9		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.9		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.9		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.9		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.9		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.9		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	9.9		µg/Kg-dry	5	01/03/00
Endrin	ND	9.9		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.9		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.9		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.9		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.9		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.9		µg/Kg-dry	5	01/03/00
4,4'-DDT	21	9.9	#	µg/Kg-dry	5	01/03/00
Methoxychlor	ND	49		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	150		µg/Kg-dry	5	01/03/00
Toxaphene	ND	150		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	191	65-157	S	%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	91.8	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	31		µg/Kg-dry	1	12/22/99 12:00:00 PM
Aroclor 1221	ND	31		µg/Kg-dry	1	12/22/99 12:00:00 PM
Aroclor 1232	ND	31		µg/Kg-dry	1	12/22/99 12:00:00 PM
Aroclor 1242	ND	31		µg/Kg-dry	1	12/22/99 12:00:00 PM
Aroclor 1248	ND	31		µg/Kg-dry	1	12/22/99 12:00:00 PM
Aroclor 1254	ND	31		µg/Kg-dry	1	12/22/99 12:00:00 PM
Aroclor 1260	ND	31		µg/Kg-dry	1	12/22/99 12:00:00 PM
Surr: Decachlorobiphenyl	116	65-157		%REC	1	12/22/99 12:00:00 PM
Surr: Tetrachloro-m-xylene	90.6	64-124		%REC	1	12/22/99 12:00:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-09C

**Client Sample ID:** SA71-WC09  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		<b>Analyst: KEM</b>		
alpha-BHC	ND	4.6		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.6		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.6		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.6		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.6		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.6		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.6		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.6		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.6		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.6		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.3		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	9.3		µg/Kg-dry	5	01/03/00
Endrin	ND	9.3		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.3		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.3		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.3		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.3		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.3		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.3		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	46		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	150		µg/Kg-dry	5	01/03/00
Toxaphene	ND	150		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	160	65-157	S	%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	89.9	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		<b>Analyst: RAP</b>		
Aroclor 1016	ND	30		µg/Kg-dry	1	12/23/99 10:30:00 AM
Aroclor 1221	ND	30		µg/Kg-dry	1	12/23/99 10:30:00 AM
Aroclor 1232	ND	30		µg/Kg-dry	1	12/23/99 10:30:00 AM
Aroclor 1242	ND	30		µg/Kg-dry	1	12/23/99 10:30:00 AM
Aroclor 1248	ND	30		µg/Kg-dry	1	12/23/99 10:30:00 AM
Aroclor 1254	ND	30		µg/Kg-dry	1	12/23/99 10:30:00 AM
Aroclor 1260	ND	30		µg/Kg-dry	1	12/23/99 10:30:00 AM
Surr: Decachlorobiphenyl	105	65-157		%REC	1	12/23/99 10:30:00 AM
Surr: Tetrachloro-m-xylene	83.2	64-124		%REC	1	12/23/99 10:30:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-10C

**Client Sample ID:** SA71-WC10  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	6.1		µg/Kg-dry	5	01/03/00
beta-BHC	ND	6.1		µg/Kg-dry	5	01/03/00
delta-BHC	ND	6.1		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	6.1		µg/Kg-dry	5	01/03/00
Heptachlor	ND	6.1		µg/Kg-dry	5	01/03/00
Aldrin	ND	6.1		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	6.1		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	6.1		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	6.1		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	6.1		µg/Kg-dry	5	01/03/00
Dieldrin	ND	12		µg/Kg-dry	5	01/03/00
4,4'-DDE	32	12		µg/Kg-dry	5	01/03/00
Endrin	ND	12		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	12		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	12		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	12		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	12		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	12		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	12		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	61		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	190		µg/Kg-dry	5	01/03/00
Toxaphene	ND	190		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	423	65-157	S	%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	124	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	39		µg/Kg-dry	1	12/23/99 10:57:00 AM
Aroclor 1221	ND	39		µg/Kg-dry	1	12/23/99 10:57:00 AM
Aroclor 1232	ND	39		µg/Kg-dry	1	12/23/99 10:57:00 AM
Aroclor 1242	ND	39		µg/Kg-dry	1	12/23/99 10:57:00 AM
Aroclor 1248	ND	39		µg/Kg-dry	1	12/23/99 10:57:00 AM
Aroclor 1254	ND	39		µg/Kg-dry	1	12/23/99 10:57:00 AM
Aroclor 1260	ND	39		µg/Kg-dry	1	12/23/99 10:57:00 AM
Surr: Decachlorobiphenyl	101	65-157		%REC	1	12/23/99 10:57:00 AM
Surr: Tetrachloro-m-xylene	92.2	64-124		%REC	1	12/23/99 10:57:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 03-Feb-00

CLIENT: Roy F. Weston, Inc.  
Lab Order: 9912133  
Project: SA71-Devens  
Lab ID: 9912133-11C

Client Sample ID: SA71-WC11  
Tag Number:  
Collection Date: 12/14/99  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.9		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.9		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.9		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.9		µg/Kg-dry	5	01/03/00
Endosulfan I	12	4.9		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.9		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.9		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDE	31	9.7		µg/Kg-dry	5	01/03/00
Endrin	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.7		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	49		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	150		µg/Kg-dry	5	01/03/00
Toxaphene	ND	150		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	171	65-157	S	%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	96.2	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1221	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1232	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1242	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1248	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1254	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1260	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Surr: Decachlorobiphenyl	115	65-157		%REC	1	12/23/99 4:07:00 PM
Surr: Tetrachloro-m-xylene	97.4	64-124		%REC	1	12/23/99 4:07:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative



**AMRO Environmental Laboratories Corp.**

Date: 03-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-12C

**Client Sample ID:** SA71-WC12  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		Analyst: KEM		
alpha-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.8		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.8		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.8		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.6		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	9.6		µg/Kg-dry	5	01/03/00
Endrin	ND	9.6		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.6		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.6		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.6		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.6		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.6		µg/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.6		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	48		µg/Kg-dry	5	01/03/00
Technical Chlordane	ND	150		µg/Kg-dry	5	01/03/00
Toxaphene	ND	150		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	215	65-157	S	%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	108	64-124		%REC	5	01/03/00
<b>PCBS BY EPA8082</b>		<b>SW8082</b>		Analyst: RAP		
Aroclor 1016	ND	29		µg/Kg-dry	1	12/23/99 4:34:00 PM
Aroclor 1221	ND	29		µg/Kg-dry	1	12/23/99 4:34:00 PM
Aroclor 1232	ND	29		µg/Kg-dry	1	12/23/99 4:34:00 PM
Aroclor 1242	ND	29		µg/Kg-dry	1	12/23/99 4:34:00 PM
Aroclor 1248	ND	29		µg/Kg-dry	1	12/23/99 4:34:00 PM
Aroclor 1254	ND	29		µg/Kg-dry	1	12/23/99 4:34:00 PM
Aroclor 1260	ND	29		µg/Kg-dry	1	12/23/99 4:34:00 PM
Surr: Decachlorobiphenyl	103	65-157		%REC	1	12/23/99 4:34:00 PM
Surr: Tetrachloro-m-xylene	86.9	64-124		%REC	1	12/23/99 4:34:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC01**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-01B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY		SW1010				Analyst: RK
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC01**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-01C**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	33	7.2		mg/Kg-dry	1	12/23/99 1:28:44 PM
Barium	200	29		mg/Kg-dry	1	12/23/99 1:28:44 PM
Cadmium	ND	0.72		mg/Kg-dry	1	12/23/99 1:28:44 PM
Chromium	23	1.4		mg/Kg-dry	1	12/23/99 1:28:44 PM
Lead	1,100	7.2		mg/Kg-dry	1	12/23/99 1:28:44 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 1:28:44 PM
Silver	ND	2.0		mg/Kg-dry	1	12/23/99 1:28:44 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>						
		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	400	36		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>						
		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.18	0.029		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	18.3	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>						
		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>						
		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
<b>PH/CORROSIVITY IN SOIL</b>						
		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	5.0	0		pH Units	1	12/15/99

**Modifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC02**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-02B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>IGNITABILITY</b>		<b>SW1010</b>				<b>Analyst: RK</b>
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-02C

**Client Sample ID:** SA71-WC02  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	29	8.1		mg/Kg-dry	1	12/23/99 1:33:53 PM
Barium	190	32		mg/Kg-dry	1	12/23/99 1:33:53 PM
Cadmium	ND	0.81		mg/Kg-dry	1	12/23/99 1:33:53 PM
Chromium	17	1.6		mg/Kg-dry	1	12/23/99 1:33:53 PM
Lead	1,100	8.1		mg/Kg-dry	1	12/23/99 1:33:53 PM
Selenium	ND	13		mg/Kg-dry	1	12/23/99 1:33:53 PM
Silver	ND	2.3		mg/Kg-dry	1	12/23/99 1:33:53 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>						
		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	170	40		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>						
		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.11	0.030		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	25.0	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>						
		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>						
		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
<b>PH/CORROSIVITY IN SOIL</b>						
		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	5.0	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC03**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-03B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>IGNITABILITY</b>		<b>SW1010</b>				<b>Analyst: RK</b>
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-03C

**Client Sample ID:** SA71-WC03  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	17	7.0		mg/Kg-dry	1	12/23/99 1:39:01 PM
Barium	95	28		mg/Kg-dry	1	12/23/99 1:39:01 PM
Cadmium	ND	0.70		mg/Kg-dry	1	12/23/99 1:39:01 PM
Chromium	9.0	1.4		mg/Kg-dry	1	12/23/99 1:39:01 PM
Lead	360	7.0		mg/Kg-dry	1	12/23/99 1:39:01 PM
Selenium	ND	11		mg/Kg-dry	1	12/23/99 1:39:01 PM
Silver	ND	2.0		mg/Kg-dry	1	12/23/99 1:39:01 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	71	34		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.14	0.026		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	13.8	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.7	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC04**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-04B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY		SW1010				Analyst: RK
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-04C

**Client Sample ID:** SA71-WC04  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	23	7.3		mg/Kg-dry	1	12/23/99 1:44:09 PM
Barium	170	29		mg/Kg-dry	1	12/23/99 1:44:09 PM
Cadmium	ND	0.73		mg/Kg-dry	1	12/23/99 1:44:09 PM
Chromium	14	1.5		mg/Kg-dry	1	12/23/99 1:44:09 PM
Lead	490	7.3		mg/Kg-dry	1	12/23/99 1:44:09 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 1:44:09 PM
Silver	ND	2.0		mg/Kg-dry	1	12/23/99 1:44:09 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	110	37		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.12	0.031		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	20.6	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.6	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC05**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-05B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>IGNITABILITY</b>		<b>SW1010</b>				Analyst: RK
Ignitability	>200	0		°F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-05C

**Client Sample ID:** SA71-WC05  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				Analyst: RK
Arsenic	27	8.5		mg/Kg-dry	1	12/23/99 1:49:26 PM
Barium	220	34		mg/Kg-dry	1	12/23/99 1:49:26 PM
Cadmium	ND	0.85		mg/Kg-dry	1	12/23/99 1:49:26 PM
Chromium	17	1.7		mg/Kg-dry	1	12/23/99 1:49:26 PM
Lead	850	8.5		mg/Kg-dry	1	12/23/99 1:49:26 PM
Selenium	ND	14		mg/Kg-dry	1	12/23/99 1:49:26 PM
Silver	ND	2.4		mg/Kg-dry	1	12/23/99 1:49:26 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>						
		<b>E418.1</b>				Analyst: JA
Petroleum Hydrocarbons, TR	ND	41		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>						
		<b>SW7471</b>				Analyst: GM
Mercury	0.076	0.032		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MM
Percent Moisture	26.6	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>						
		<b>SW7.3.3.2</b>				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>						
		<b>SW7.3.4.2</b>				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
<b>PH/CORROSIVITY IN SOIL</b>						
		<b>SW9045C</b>				Analyst: CFM
pH	4.8	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC06**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-06B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY		SW1010				Analyst: RK
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-06C

**Client Sample ID:** SA71-WC06  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	34	7.4		mg/Kg-dry	1	12/23/99 1:54:47 PM
Barium	260	29		mg/Kg-dry	1	12/23/99 1:54:47 PM
Cadmium	ND	0.74		mg/Kg-dry	1	12/23/99 1:54:47 PM
Chromium	27	1.5		mg/Kg-dry	1	12/23/99 1:54:47 PM
Lead	1,700	7.4		mg/Kg-dry	1	12/23/99 1:54:47 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 1:54:47 PM
Silver	ND	2.1		mg/Kg-dry	1	12/23/99 1:54:47 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	88	38		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.098	0.030		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	22.3	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.5	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC07**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-07B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>IGNITABILITY</b>		<b>SW1010</b>				<b>Analyst: RK</b>
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-07C

**Client Sample ID:** SA71-WC07  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				Analyst: RK
Arsenic	29	7.6		mg/Kg-dry	1	12/23/99 2:07:13 PM
Barium	170	30		mg/Kg-dry	1	12/23/99 2:07:13 PM
Cadmium	ND	0.76		mg/Kg-dry	1	12/23/99 2:07:13 PM
Chromium	18	1.5		mg/Kg-dry	1	12/23/99 2:07:13 PM
Lead	1,300	7.6		mg/Kg-dry	1	12/23/99 2:07:13 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 2:07:13 PM
Silver	ND	2.1		mg/Kg-dry	1	12/23/99 2:07:13 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				Analyst: JA
Petroleum Hydrocarbons, TR	68	35		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				Analyst: GM
Mercury	0.17	0.028		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				Analyst: MM
Percent Moisture	17.3	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				Analyst: CFM
pH	5.0	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC08**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-08B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>IGNITABILITY</b>		<b>SW1010</b>				<b>Analyst: RK</b>
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-08C

**Client Sample ID:** SA71-WC08  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>						
		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	34	7.6		mg/Kg-dry	1	12/23/99 2:12:31 PM
Barium	200	30		mg/Kg-dry	1	12/23/99 2:12:31 PM
Cadmium	ND	0.76		mg/Kg-dry	1	12/23/99 2:12:31 PM
Chromium	18	1.5		mg/Kg-dry	1	12/23/99 2:12:31 PM
Lead	1,100	7.6		mg/Kg-dry	1	12/23/99 2:12:31 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 2:12:31 PM
Silver	ND	2.1		mg/Kg-dry	1	12/23/99 2:12:31 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>						
		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	130	37		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>						
		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.15	0.028		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	21.3	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>						
		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>						
		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
<b>PH/CORROSIVITY IN SOIL</b>						
		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.9	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.****Date:** 06-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC09**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-09B**Matrix:** SOIL

<b>Analyses</b>	<b>Result</b>	<b>Limit</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>IGNITABILITY</b>		<b>SW1010</b>				<b>Analyst: RK</b>
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-09C

**Client Sample ID:** SA71-WC09  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	31	6.9		mg/Kg-dry	1	12/23/99 2:17:50 PM
Barium	130	28		mg/Kg-dry	1	12/23/99 2:17:50 PM
Cadmium	ND	0.69		mg/Kg-dry	1	12/23/99 2:17:50 PM
Chromium	17	1.4		mg/Kg-dry	1	12/23/99 2:17:50 PM
Lead	1,400	6.9		mg/Kg-dry	1	12/23/99 2:17:50 PM
Selenium	ND	11		mg/Kg-dry	1	12/23/99 2:17:50 PM
Silver	ND	1.9		mg/Kg-dry	1	12/23/99 2:17:50 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	400	34		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.42	0.027		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	16.0	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.5	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC10**Lab Order:** 9912133**Tag Number:****Project:** SA71-Devens**Collection Date:** 12/14/99**Lab ID:** 9912133-10B**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY		SW1010				Analyst: RK
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-10C

**Client Sample ID:** SA71-WC10  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	22	9.9		mg/Kg-dry	1	12/23/99 2:22:57 PM
Barium	140	39		mg/Kg-dry	1	12/23/99 2:22:57 PM
Cadmium	ND	0.99		mg/Kg-dry	1	12/23/99 2:22:57 PM
Chromium	16	2.0		mg/Kg-dry	1	12/23/99 2:22:57 PM
Lead	420	9.9		mg/Kg-dry	1	12/23/99 2:22:57 PM
Selenium	ND	16		mg/Kg-dry	1	12/23/99 2:22:57 PM
Silver	ND	2.8		mg/Kg-dry	1	12/23/99 2:22:57 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	240	46		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.42	0.038		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	37.9	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.4	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-WC11
<b>Lab Order:</b>	9912133	<b>Tag Number:</b>	
<b>Project:</b>	SA71-Devens	<b>Collection Date:</b>	12/14/99
<b>Lab ID:</b>	9912133-11B	<b>Matrix:</b>	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>IGNITABILITY</b>		<b>SW1010</b>				<b>Analyst: RK</b>
Ignitability	>200	0		*F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-11C

**Client Sample ID:** SA71-WC11  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	22	7.4		mg/Kg-dry	1	12/23/99 2:28:02 PM
Barium	150	30		mg/Kg-dry	1	12/23/99 2:28:02 PM
Cadmium	ND	0.74		mg/Kg-dry	1	12/23/99 2:28:02 PM
Chromium	13	1.5		mg/Kg-dry	1	12/23/99 2:28:02 PM
Lead	720	7.4		mg/Kg-dry	1	12/23/99 2:28:02 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 2:28:02 PM
Silver	ND	2.1		mg/Kg-dry	1	12/23/99 2:28:02 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	190	37		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.24	0.027		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	18.9	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.4	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-12B

**Client Sample ID:** SA71-WC12  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>IGNITABILITY</b>		<b>SW1010</b>				Analyst: RK
Ignitability	>200	0		°F	1	12/16/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



**AMRO Environmental Laboratories Corp.**

Date: 06-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 9912133  
**Project:** SA71-Devens  
**Lab ID:** 9912133-12C

**Client Sample ID:** SA71-WC12  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>ICP METALS, 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Arsenic	24	7.3		mg/Kg-dry	1	12/23/99 2:33:07 PM
Barium	120	29		mg/Kg-dry	1	12/23/99 2:33:07 PM
Cadmium	ND	0.73		mg/Kg-dry	1	12/23/99 2:33:07 PM
Chromium	16	1.5		mg/Kg-dry	1	12/23/99 2:33:07 PM
Lead	510	7.3		mg/Kg-dry	1	12/23/99 2:33:07 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 2:33:07 PM
Silver	ND	2.1		mg/Kg-dry	1	12/23/99 2:33:07 PM
<b>TPH/IR (MODIFIED FOR SOILS/SOLIDS)</b>		<b>E418.1</b>				<b>Analyst: JA</b>
Petroleum Hydrocarbons, TR	220	36		mg/Kg-dry	1	12/17/99
<b>MERCURY, SOIL</b>		<b>SW7471</b>				<b>Analyst: GM</b>
Mercury	0.15	0.028		mg/Kg-dry	1	12/17/99
<b>PERCENT MOISTURE</b>		<b>D2216</b>				<b>Analyst: MM</b>
Percent Moisture	18.0	0		wt%	1	12/15/99
<b>CYANIDE, REACTIVE</b>		<b>SW7.3.3.2</b>				<b>Analyst: GM</b>
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
<b>SULFIDE, REACTIVE</b>		<b>SW7.3.4.2</b>				<b>Analyst: JA</b>
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
<b>PH/CORROSIVITY IN SOIL</b>		<b>SW9045C</b>				<b>Analyst: CFM</b>
pH	4.5	0		pH Units	1	12/15/99

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

Lab Order: 9912133  
 Client: Roy F. Weston, Inc.  
 Project: SA71-Devens

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912133-01A	SA71-WC01	12/14/99	Soil	VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-01B				Ignitability			12/16/99
9912133-01C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/16/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-02A	SA71-WC02			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-02B				Ignitability			12/16/99
9912133-02C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/16/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-03A	SA71-WC03			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-03B				Ignitability			12/16/99
9912133-03C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99

**Lab Order:** 9912133  
**Client:** Roy F. Weston, Inc.  
**Project:** SA71-Devens

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912133-03C	SA71-WC03	12/14/99	Soil	MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/16/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-04A	SA71-WC04			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-04B				Ignitability			12/16/99
9912133-04C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/16/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-05A	SA71-WC05			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-05B				Ignitability			12/16/99
9912133-05C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99

Lab Order: 9912133  
 Client: Roy F. Weston, Inc.  
 Project: SA71-Devens

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912133-05C	SA71-WC05	12/14/99	Soil	pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/16/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-06A	SA71-WC06			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-06B				Ignitability			12/16/99
9912133-06C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/21/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-07A	SA71-WC07			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-07B				Ignitability			12/16/99
9912133-07C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/21/99
				TPH/IR (Modified for Soils/Solids)			12/17/99

Lab Order: 9912133  
 Client: Roy F. Weston, Inc.  
 Project: SA71-Devens

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912133-08A	SA71-WC08	12/14/99	Soil	VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-08B				Ignitability			12/16/99
9912133-08C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/21/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-09A	SA71-WC09			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-09B				Ignitability			12/16/99
9912133-09C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/23/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/21/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-10A	SA71-WC10			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-10B				Ignitability			12/16/99
9912133-10C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99

**AMRO Environmental Laboratories Corp.**

06-Jan-00

**Lab Order:** 9912133  
**Client:** Roy F. Weston, Inc.  
**Project:** SA71-Devens

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912133-10C	SA71-WC10	12/14/99	Soil	MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/23/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/21/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-11A	SA71-WC11			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-11B				Ignitability			12/16/99
9912133-11C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/23/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/21/99
				SEMIVOLATILE ORGANICS, Soil/Solids			12/21/99
				Sulfide, Reactive			12/21/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-12A	SA71-WC12			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-12B				Ignitability			12/16/99
9912133-12C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/23/99



**Lab Order:** 9912133  
**Client:** Roy F. Weston, Inc.  
**Project:** SA71-Devens

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912133-12C	SA71-WC12	12/14/99	Soil	Percent Moisture			12/15/99
				pH/Corrosivity in Soil			12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids			12/21/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/21/99
				Sulfide, Reactive			12/21/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
9912133-13A	TRIP BLANK			VOLATILES by GC/MS, Medium-Level		12/20/99	12/28/99

## AMRO Environmental Laboratories Corp.

Date: 01-Feb-00

CLIENT: Roy F. Weston, Inc.

Work Order: 9912133

Project: SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID	M.Blk 12/14/99	Batch ID: R971	Test Code: SW8260B	Units: µg/Kg	Analysis Date	12/16/99 3:59:00 PM	Prep Date	12/14/99			
Client ID:		Run ID: V-2_991224A			SeqNo:	13250					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	50									
Chloromethane	ND	50									
Vinyl chloride	ND	25									
Chloroethane	ND	50									
Bromomethane	ND	50									
Trichlorofluoromethane	ND	25									
Acetone	ND	250									
1,1-Dichloroethene	ND	25									
Carbon disulfide	ND	50									
Methylene chloride	ND	50									
Methyl tert-butyl ether	ND	25									
trans-1,2-Dichloroethene	ND	25									
1,1-Dichloroethane	ND	25									
2-Butanone	ND	250									
2,2-Dichloropropane	ND	25									
cis-1,2-Dichloroethene	ND	25									
Chloroform	ND	25									
Bromochloromethane	ND	25									
1,1,1-Trichloroethane	ND	25									
1,1-Dichloropropene	ND	25									
Carbon tetrachloride	ND	25									
1,2-Dichloroethane	ND	25									
Benzene	ND	25									
Trichloroethene	ND	25									
1,2-Dichloropropane	ND	25									
Bromodichloromethane	ND	25									

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Method Blank

Dibromomethane	ND	25
4-Methyl-2-pentanone	ND	250
cis-1,3-Dichloropropene	ND	25
Toluene	ND	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
1,2-Dibromoethane	ND	25
2-Hexanone	ND	250
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25
Dibromochloromethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	ND	25
m,p-Xylene	ND	25
o-Xylene	ND	25
Styrene	ND	25
Bromoform	ND	25
Isopropylbenzene	ND	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Bromobenzene	ND	25
n-Propylbenzene	ND	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
1,3,5-Trimethylbenzene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	ND	25
sec-Butylbenzene	ND	25
4-Isopropyltoluene	ND	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	ND	25

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.

**Work Order:** 9912133

**Project:** SA71-Devens

## QC SUMMARY REPORT

Method Blank

1,2-Dichlorobenzene	ND	25						
1,2-Dibromo-3-chloropropane	ND	50						
1,2,4-Trichlorobenzene	ND	25						
Hexachlorobutadiene	ND	25						
Naphthalene	ND	25						
1,2,3-Trichlorobenzene	34.5	25						
Surr: Dibromofluoromethane	2330	25	2500	0	93.2	70	130	0
Surr: 1,2-Dichloroethane-d4	2120	25	2500	0	84.8	70	130	0
Surr: Toluene-d8	2236	25	2500	0	89.4	70	130	0
Surr: 4-Bromofluorobenzene	2208	25	2500	0	88.3	70	130	0

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately titrate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Method Blank

Sample ID	M.blk12/27/99	Batch ID:	R1039	Test Code:	SW8260B	Units:	µg/Kg	Analysis Date	12/28/99 7:05:00 PM	Prep Date	12/27/99
Client ID:		Run ID:	V-1_991229B	SeqNo:	13897						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	50									
Chloromethane	ND	50									
Vinyl chloride	ND	25									
Chloroethane	ND	50									
Bromomethane	ND	50									
Trichlorofluoromethane	ND	25									
Acetone	ND	250									
1,1-Dichloroethene	ND	25									
Carbon disulfide	ND	50									
Methylene chloride	ND	50									
Methyl tert-butyl ether	ND	25									
trans-1,2-Dichloroethene	ND	25									
1,1-Dichloroethane	ND	25									
2-Butanone	ND	250									
2,2-Dichloropropane	ND	25									
cis-1,2-Dichloroethene	ND	25									
Chloroform	ND	25									
Bromochloromethane	ND	25									
1,1,1-Trichloroethane	ND	25									
1,1-Dichloropropene	ND	25									
Carbon tetrachloride	ND	25									
1,2-Dichloroethane	ND	25									
Benzene	ND	25									
Trichloroethene	ND	25									
1,2-Dichloropropane	ND	25									
Bromodichloromethane	ND	25									
Dibromomethane	ND	25									
4-Methyl-2-pentanone	ND	250									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Method Blank

cis-1,3-Dichloropropene	ND	25
Toluene	ND	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
1,2-Dibromoethane	ND	25
2-Hexanone	ND	250
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25
Dibromochloromethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	ND	25
m,p-Xylene	ND	25
o-Xylene	ND	25
Styrene	ND	25
Bromoform	ND	25
Isopropylbenzene	ND	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Bromobenzene	ND	25
n-Propylbenzene	ND	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
1,3,5-Trimethylbenzene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	ND	25
sec-Butylbenzene	ND	25
4-Isopropyltoluene	ND	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	ND	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-chloropropane	ND	50

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantify.



**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Method Blank

1,2,4-Trichlorobenzene	ND	25						
Hexachlorobutadiene	ND	25						
Naphthalene	ND	25						
1,2,3-Trichlorobenzene	ND	25						
Surr: Dibromofluoromethane	2472	25	2500	0	98.9	70	130	0
Surr: 1,2-Dichloroethane-d4	2549	25	2500	0	102	70	130	0
Surr: Toluene-d8	2560	25	2500	0	102	70	130	0
Surr: 4-Bromofluorobenzene	2487	25	2500	0	99.5	70	130	0

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

## AMRO Environmental Laboratories Corp.

Date: 02-Feb-00

CLIENT: Roy F. Weston, Inc.  
 Work Order: 9912133  
 Project: SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	9912133-12AMS	Batch ID:	R971	Test Code:	SW8260B	Units:	µg/Kg-dry	Analysis Date	12/16/99 11:41:00 PM	Prep Date	12/14/99
Client ID:	SA71-WC12	Run ID:	V-2_991224A	SeqNo:	13263						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	890.7	38	769.2	0	116	70	130	0			
Benzene	885.3	38	769.2	40.38	110	70	130	0			
Trichloroethene	784.2	38	769.2	0	102	70	130	0			
Toluene	852.2	38	769.2	69.61	102	70	130	0			
Chlorobenzene	821.9	38	769.2	0	107	70	130	0			
Surr: Dibromofluoromethane	3227	38	3846	0	83.9	70	130	0			
Surr: 1,2-Dichloroethane-d4	2758	38	3846	0	71.7	70	130	0			
Surr: Toluene-d8	2960	38	3846	0	77	70	130	0			
Surr: 4-Bromofluorobenzene	2678	38	3846	0	69.6	70	130	0			S

Sample ID	9912133-12AMSD	Batch ID:	R971	Test Code:	SW8260B	Units:	µg/Kg-dry	Analysis Date	12/17/99 12:16:00 AM	Prep Date	12/14/99
Client ID:	SA71-WC12	Run ID:	V-2_991224A	SeqNo:	13264						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	825.7	38	769.2	0	107	70	130	890.7	7.57	25	
Benzene	846.9	38	769.2	40.38	105	70	130	885.3	4.44	25	
Trichloroethene	710.3	38	769.2	0	92.4	70	130	784.2	9.88	25	
Toluene	804.9	38	769.2	69.61	95.6	70	130	852.2	5.71	25	
Chlorobenzene	808	38	769.2	0	105	70	130	821.9	1.7	25	
Surr: Dibromofluoromethane	3067	38	3846	0	79.7	70	130	3227	0	0	
Surr: 1,2-Dichloroethane-d4	2692	38	3846	0	70	70	130	2758	0	0	
Surr: Toluene-d8	2859	38	3846	0	74.3	70	130	2960	0	0	
Surr: 4-Bromofluorobenzene	2648	38	3846	0	68.9	70	130	2678	0	0	S

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
 RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	9912196-05AMS	Batch ID:	R1039	Test Code:	SW8260B	Units:	µg/Kg-dry	Analysis Date	12/29/99 3:37:00 AM	Prep Date	12/20/99
Client ID:		Run ID:	V-1_991229B	SeqNo:	13911						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	500.9	24	482.3	0	104	70	130	0			
Benzene	519.4	24	482.3	0	108	70	130	0			
Trichloroethene	460.3	24	482.3	0	95.5	70	130	0			
Toluene	579	24	482.3	38.1	112	70	130	0			
Chlorobenzene	495.3	24	482.3	0	103	70	130	0			
Surr: Dibromofluoromethane	2185	24	2411	0	90.6	70	130	0			
Surr: 1,2-Dichloroethane-d4	2300	24	2411	0	95.4	70	130	0			
Surr: Toluene-d8	2332	24	2411	0	96.7	70	130	0			
Surr: 4-Bromofluorobenzene	2282	24	2411	0	94.6	70	130	0			

Sample ID	9912196-05AMSD	Batch ID:	R1039	Test Code:	SW8260B	Units:	µg/Kg-dry	Analysis Date	12/29/99 4:16:00 AM	Prep Date	12/20/99
Client ID:		Run ID:	V-1_991229B	SeqNo:	13912						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	498.4	24	482.3	0	103	70	130	500.9	0.483	25	
Benzene	506.6	24	482.3	0	105	70	130	519.4	2.49	25	
Trichloroethene	454.3	24	482.3	0	94.2	70	130	460.3	1.32	25	
Toluene	562.1	24	482.3	38.1	109	70	130	579	2.96	25	
Chlorobenzene	488.1	24	482.3	0	101	70	130	495.3	1.47	25	
Surr: Dibromofluoromethane	2123	24	2411	0	88.1	70	130	2185	0	0	
Surr: 1,2-Dichloroethane-d4	2229	24	2411	0	92.4	70	130	2300	0	0	
Surr: Toluene-d8	2343	24	2411	0	97.2	70	130	2332	0	0	
Surr: 4-Bromofluorobenzene	2268	24	2411	0	94.1	70	130	2282	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

## AMRO Environmental Laboratories Corp.

Date: 01-Feb-00

CLIENT: Roy F. Weston, Inc.  
 Work Order: 9912133  
 Project: SA71-Devens

## QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID	Ics 12/14/99	Batch ID: R971	Test Code: SW8260B	Units: µg/Kg	Analysis Date	12/16/99 2:48:00 PM	Prep Date	12/14/99			
Client ID:	Run ID: V-2_991224A		SeqNo: 13249								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	624	25	500	0	125	70	130	0			
Benzene	533	25	500	0	107	70	130	0			
Trichloroethene	508.5	25	500	0	102	70	130	0			
Toluene	478	25	500	0	95.6	70	130	0			
Chlorobenzene	509.2	25	500	0	102	70	130	0			
Surr: Dibromofluoromethane	2494	25	2500	0	99.8	70	130	0			
Surr: 1,2-Dichloroethane-d4	2218	25	2500	0	88.7	70	130	0			
Surr: Toluene-d8	2388	25	2500	0	95.5	70	130	0			
Surr: 4-Bromofluorobenzene	2414	25	2500	0	96.5	70	130	0			

Sample ID	Ics12/27/99	Batch ID: R1039	Test Code: SW8260B	Units: µg/Kg	Analysis Date	12/28/99 5:54:00 PM	Prep Date	12/27/09			
Client ID:	Run ID: V-1_991229B			SeqNo:	13896						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	453	25	500	0	90.6	70	130	0			
Benzene	485.8	25	500	0	97.2	70	130	0			
Trichloroethene	417.3	25	500	0	83.5	70	130	0			
Toluene	462.5	25	500	0	92.5	70	130	0			
Chlorobenzene	469.2	25	500	0	93.8	70	130	0			
Surr: Dibromofluoromethane	2348	25	2500	0	93.9	70	130	0			
Surr: 1,2-Dichloroethane-d4	2450	25	2500	0	98	70	130	0			
Surr: Toluene-d8	2328	25	2500	0	93.1	70	130	0			
Surr: 4-Bromofluorobenzene	2386	25	2500	0	95.4	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately report.

CLIENT: Roy F. Weston, Inc.  
 Work Order: 9912133  
 Project: SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID	MB-448	Batch ID:	448	Test Code:	SW8270C	Units:	µg/Kg	Analysis Date	12/20/99 12:36:00 PM	Prep Date	12/17/99
Client ID:		Run ID:	SV-3_991220A					SeqNo:	12042		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodimethylamine	ND	500									
Phenol	ND	250									
Bis(2-chloroethyl)ether	ND	250									
2-Chlorophenol	ND	250									
1,3-Dichlorobenzene	ND	250									
1,4-Dichlorobenzene	ND	250									
Benzyl alcohol	ND	500									
2-Methylphenol	ND	250									
1,2-Dichlorobenzene	ND	250									
Bis(2-chloroisopropyl)ether	ND	250									
4-Methylphenol	ND	250									
N-Nitrosodi-n-propylamine	ND	250									
Hexachloroethane	ND	250									
Nitrobenzene	ND	250									
Isophorone	ND	250									
2,4-Dimethylphenol	ND	250									
Benzoic acid	163.3	500									J
2-Nitrophenol	ND	250									
Bis(2-chloroethoxy)methane	ND	250									
2,4-Dichlorophenol	ND	250									
1,2,4-Trichlorobenzene	ND	250									
Naphthalene	ND	250									
4-Chloroaniline	ND	250									
Hexachlorobutadiene	ND	250									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	250									

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Method Blank

Hexachlorocyclopentadiene	ND	250
2,4,6-Trichlorophenol	ND	250
2,4,5-Trichlorophenol	ND	250
2-Chloronaphthalene	ND	250
2-Nitroaniline	ND	500
Dimethyl phthalate	ND	250
2,6-Dinitrotoluene	ND	250
Acenaphthylene	ND	250
3-Nitroaniline	ND	500
4-Nitrophenol	ND	500
2,4-Dinitrophenol	ND	500
Acenaphthene	ND	250
2,4-Dinitrotoluene	ND	250
Dibenzofuran	ND	250
Diethyl phthalate	ND	250
4-Chlorophenyl phenyl ether	ND	250
Fluorene	ND	250
4-Nitroaniline	ND	500
4,6-Dinitro-2-methylphenol	ND	500
N-Nitrosodiphenylamine	ND	250
1,2-Diphenylhydrazine (as Azobenzene)	ND	250
4-Bromophenyl phenyl ether	ND	250
Hexachlorobenzene	ND	250
Pentachlorophenol	ND	500
Phenanthrene	ND	250
Anthracene	ND	250
Carbazole	ND	250
Di-n-butyl phthalate	ND	250
Fluoranthene	ND	250
Benidine	ND	250
Pyrene	ND	250
Butyl benzyl phthalate	ND	250
Bis(2-ethylhexyl)phthalate	ND	250

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Method Blank

3,3'-Dichlorobenzidine	ND	250						
Benz(a)anthracene	ND	250						
Chrysene	ND	250						
Di-n-octyl phthalate	ND	250						
Benzo(b)fluoranthene	ND	250						
Benzo(k)fluoranthene	ND	250						
Benzo(a)pyrene	ND	250						
Dibenz(a,h)anthracene	ND	250						
Indeno(1,2,3-cd)pyrene	ND	250						
Benzo(g,h,i)perylene	ND	250						
Surr: 2-Fluorophenol	2380	50	3733	0	63.8	37	85	0
Surr: Phenol-d5	2590	50	3733	0	69.4	42	92	0
Surr: Nitrobenzene-d5	1619	50	2489	0	65	38	90	0
Surr: 2-Fluorobiphenyl	1765	50	2489	0	70.9	44	94	0
Surr: 2,4,6-Tribromophenol	2535	50	3733	0	67.9	40	103	0
Surr: 4-Terphenyl-d14	1775	50	2489	0	71.3	47	101	0

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

## AMRO Environmental Laboratories Corp.

Date: 01-Feb-00

CLIENT: Roy F. Weston, Inc.

Work Order: 9912133

Project: SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	9912133-03CMS	Batch ID:	448	Test Code:	SW8270C	Units:	µg/Kg-dry	Analysis Date	12/20/99 5:03:00 PM	Prep Date	12/17/99
Client ID:	SA71-WC03	Run ID:	SV-3_991220A	SeqNo:	12050						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	2328	290	4344	0	53.6	40	86	0			
2-Chlorophenol	2329	290	4344	0	53.6	42	91	0			
1,4-Dichlorobenzene	1352	290	2896	0	46.7	38	88	0			
N-Nitrosodi-n-propylamine	1817	290	2896	0	62.8	42	97	0			
1,2,4-Trichlorobenzene	1465	290	2896	0	50.6	44	96	0			
4-Chloro-3-methylphenol	2557	580	4344	0	58.9	46	99	0			
4-Nitrophenol	2302	580	4344	0	53	41	100	0			
Acenaphthene	1726	290	2896	0	59.6	40	107	0			
2,4-Dinitrotoluene	1593	290	2896	0	55	39	104	0			
Pentachlorophenol	2237	580	4344	0	51.5	26	107	0			
Pyrene	2127	290	2896	347.4	61.5	26	131	0			
Surr: 2-Fluorophenol	2238	58	4344	0	51.5	37	85	0			
Surr: Phenol-d5	2477	58	4344	0	57	42	92	0			
Surr: Nitrobenzene-d5	1705	58	2896	0	58.9	38	90	0			
Surr: 2-Fluorobiphenyl	1786	58	2896	0	61.7	44	94	0			
Surr: 2,4,6-Tribromophenol	2179	58	4344	0	50.2	40	103	0			
Surr: 4-Terphenyl-d14	1878	58	2896	0	64.8	47	101	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

E - Value exceeds Maximum Contaminant Level

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantify.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID	9912133-03CMSD	Batch ID:	448	Test Code:	SW8270C	Units:	µg/Kg-dry	Analysis Date	12/20/99 5:37:00 PM	Prep Date	12/17/99
Client ID:	SA71-WC03	Run ID:	SV-3_991220A	SeqNo:	12051						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	2657	290	4307	0	61.7	40	86	2328	13.2	35	
2-Chlorophenol	2642	290	4307	0	61.3	42	91	2329	12.6	50	
1,4-Dichlorobenzene	1476	290	2872	0	51.4	38	88	1352	8.74	27	
N-Nitrosodi-n-propylamine	1821	290	2872	0	63.4	42	97	1817	0.201	38	
1,2,4-Trichlorobenzene	1613	290	2872	0	56.2	44	96	1465	9.61	23	
4-Chloro-3-methylphenol	2846	570	4307	0	66.1	46	99	2557	10.7	33	
4-Nitrophenol	2734	570	4307	0	63.5	41	100	2302	17.2	50	
Acenaphthene	1917	290	2872	0	66.8	40	107	1726	10.5	19	
2,4-Dinitrotoluene	1789	290	2872	0	62.3	39	104	1593	11.6	47	
Pentachlorophenol	2705	570	4307	0	62.8	26	107	2237	18.9	47	
Pyrene	2359	290	2872	347.4	70.1	26	131	2127	10.3	36	
Surr: 2-Fluorophenol	2533	57	4307	0	58.8	37	85	2238	0	0	
Surr: Phenol-d5	2677	57	4307	0	62.2	42	92	2477	0	0	
Surr: Nitrobenzene-d5	1822	57	2872	0	63.5	38	90	1705	0	0	
Surr: 2-Fluorobiphenyl	1921	57	2872	0	66.9	44	94	1786	0	0	
Surr: 2,4,6-Tribromophenol	2769	57	4307	0	64.3	40	103	2179	0	0	
Surr: 4-Terphenyl-d14	1960	57	2872	0	68.3	47	101	1878	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

## AMRO Environmental Laboratories Corp.

Date: 01-Feb-00

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
 Laboratory Control Spike - generic

Sample ID	LCS-448	Batch ID:	448	Test Code:	SW8270C	Units:	µg/Kg	Analysis Date	12/20/99 1:09:00 PM	Prep Date	12/17/99
Client ID:		Run ID:	SV-3_991220A	SeqNo:	12043						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1833	240	3582	0	51.2	40	86	0			
2-Chlorophenol	1904	240	3582	0	53.1	42	91	0			
1,4-Dichlorobenzene	1043	240	2388	0	43.7	38	88	0			
N-Nitrosodi-n-propylamine	1264	240	2388	0	52.9	42	97	0			
1,2,4-Trichlorobenzene	1149	240	2388	0	48.1	44	96	0			
4-Chloro-3-methylphenol	2028	480	3582	0	56.6	46	99	0			
4-Nitrophenol	1837	480	3582	0	51.3	41	100	0			
Acenaphthene	1365	240	2388	0	57.2	40	107	0			
2,4-Dinitrotoluene	1218	240	2388	0	51	39	104	0			
Pentachlorophenol	1729	480	3582	0	48.3	26	107	0			
Pyrene	1469	240	2388	0	61.5	26	131	0			
Surr: 2-Fluorophenol	1888	48	3582	0	52.7	37	85	0			
Surr: Phenol-d5	2052	48	3582	0	57.3	42	92	0			
Surr: Nitrobenzene-d5	1269	48	2388	0	53.2	38	90	0			
Surr: 2-Fluorobiphenyl	1422	48	2388	0	59.5	44	94	0			
Surr: 2,4,6-Tribromophenol	2029	48	3582	0	56.6	40	103	0			
Surr: 4-Terphenyl-d14	1501	48	2388	0	62.9	47	101	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

I - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

## AMRO Environmental Laboratories Corp.

Date: 02-Feb-00

CLIENT: Roy F. Weston, Inc.

Work Order: 9912133

Project: SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID	MB-533	Batch ID: 533	Test Code: SW8081A	Units: µg/Kg	Analysis Date	01/03/2000	Prep Date	12/28/1999			
Client ID:		Run ID:	GC-TRENT_000103A		SeqNo:	15255					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	0.79									
beta-BHC	ND	0.79									
delta-BHC	ND	0.79									
gamma-BHC	ND	0.79									
Heptachlor	ND	0.79									
Aldrin	ND	0.79									
Heptachlor epoxide	ND	0.79									
Endosulfan I	ND	0.79									
alpha-Chlordane	ND	0.79									
gamma-Chlordane	ND	0.79									
Dieldrin	ND	1.6									
4,4'-DDE	ND	1.6									
Endrin	ND	1.6									
Endosulfan II	ND	1.6									
4,4'-DDD	ND	1.6									
Endrin aldehyde	ND	1.6									
Endrin ketone	ND	1.6									
Endosulfan sulfate	ND	1.6									
4,4'-DDT	ND	1.6									
Methoxychlor	ND	7.9									
Technical Chlordane	ND	25									
Toxaphene	ND	25									
Surr: Tetrachloro-m-xylene	7.128	0	7.901	0	90.2	64	124	0			
Surr: Decachlorobiphenyl	7.228	0	7.901	0	91.5	65	157	0			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID	MB-510 (CC)	Batch ID:	510	Test Code:	SW8082	Units:	µg/Kg	Analysis Date	12/22/99 11:16:00 PM	Prep Date	12/15/99
Client ID:		Run ID:	GC-ELVIS_991223D	SeqNo:	21232						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	25									
Aroclor 1221	ND	25									
Aroclor 1232	ND	25									
Aroclor 1242	ND	25									
Aroclor 1248	ND	25									
Aroclor 1254	ND	25									
Aroclor 1260	ND	25									
Surr: Decachlorobiphenyl	9.376	0	7.94	0	118	65	157	0			
Surr: Tetrachloro-m-xylene	8.821	0	7.94	0	111	64	124	0			

Sample ID	MB-510	Batch ID:	510	Test Code:	SW8082	Units:	µg/Kg	Analysis Date	12/22/99 3:01:00 AM	Prep Date	12/15/99
Client ID:		Run ID:	GC-ELVIS_991223C	SeqNo:	21233						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	25									
Aroclor 1221	ND	25									
Aroclor 1232	ND	25									
Aroclor 1242	ND	25									
Aroclor 1248	ND	25									
Aroclor 1254	ND	25									
Aroclor 1260	ND	25									
Surr: Decachlorobiphenyl	9.004	0	7.94	0	113	65	157	0			
Surr: Tetrachloro-m-xylene	8.392	0	7.94	0	106	64	124	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank  
I - Analyte detected below quantitation limits R - RPD outside accepted recovery limits \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



CLIENT: Roy F. Weston, Inc.

Work Order: 9912133

Project: SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	9912133-06CMS	Batch ID:	533	Test Code:	SW8081A	Units:	µg/Kg-dry	Analysis Date	01/03/2000	Prep Date	12/28/1999
Client ID:	SA71-WC06	Run ID:	GC-TRENT_000103A	SeqNo:	15268						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	6.526	5	12.58	0	51.9	40	141	0			
Heptachlor	6.979	5	12.58	0	55.5	47	137	0			
Aldrin	5.812	5	12.58	0	46.2	45	140	0			
Dieldrin	18.46	10	31.45	0	58.7	43	150	0			
Endrin	31.77	10	31.45	0	101	43	184	0			
4,4'-DDT	26.15	10	31.45	0	83.1	38	153	0			
Surr: Tetrachloro-m-xylene	12.36	0	10.06	0	123	64	124	0			
Surr: Decachlorobiphenyl	12.05	0	10.06	0	120	65	157	0			

Sample ID	9912133-06CMSD	Batch ID:	533	Test Code:	SW8081A	Units:	µg/Kg-dry	Analysis Date	01/03/2000	Prep Date	12/28/1999
Client ID:	SA71-WC06	Run ID:	GC-TRENT_000103A	SeqNo:	15269						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	8.158	5	12.51	0	65.2	40	141	6.526	22.2	50	
Heptachlor	8.605	5	12.51	0	68.8	47	137	6.979	20.9	50	
Aldrin	5.613	5	12.51	0	44.9	45	140	5.812	3.49	50	S
Dieldrin	19.91	10	31.27	0	63.7	43	150	18.46	7.56	50	
Endrin	34.76	10	31.27	0	111	43	184	31.77	8.99	50	
4,4'-DDT	27.4	10	31.27	0	87.6	38	153	26.15	4.69	50	
Surr: Tetrachloro-m-xylene	8.402	0	10.01	0	84	64	124	12.36	0	0	
Surr: Decachlorobiphenyl	12.43	0	10.01	0	124	65	157	12.05	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	9912104-10AMS	Batch ID:	510	Test Code:	SW8082	Units:	µg/Kg-dry	Analysis Date	12/23/99 12:37:00 AM	Prep Date	12/15/99
Client ID:		Run ID:	GC-ELVIS_991223D	SeqNo:	13075						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	571.7	100	655	0	87.3	67	116	0			
Aroclor 1260	602.1	210	655	0	91.9	55	122	0			
Surr: Decachlorobiphenyl	11.32	0	10.48	0	108	65	157	0			
Surr: Tetrachloro-m-xylene	10.2	0	10.48	0	97.3	64	124	0			

Sample ID	9912104-10AMSD	Batch ID:	510	Test Code:	SW8082	Units:	µg/Kg-dry	Analysis Date	12/23/99 1:04:00 AM	Prep Date	12/15/99
Client ID:		Run ID:	GC-ELVIS_991223D	SeqNo:	13076						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	598.4	100	646.8	0	92.5	67	116	571.7	4.56	50	
Aroclor 1260	639.9	210	646.8	0	98.9	55	122	602.1	6.08	50	
Surr: Decachlorobiphenyl	11.79	0	10.35	0	114	65	157	11.32	0	0	
Surr: Tetrachloro-m-xylene	10.88	0	10.35	0	105	64	124	10.2	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level

Reporting Limit: defined as the lowest concentration the laboratory can accurately state.

## AMRO Environmental Laboratories Corp.

Date: 02-Feb-00

CLIENT: Roy F. Weston, Inc.  
Work Order: 9912133  
Project: SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID	LCS-533	Batch ID:	533	Test Code:	SW8081A	Units:	µg/Kg	Analysis Date	01/03/2000	Prep Date	12/28/1999
Client ID:		Run ID:	GC-TRENT_000103A	SeqNo:	15257						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	11	0.8	9.945	0	111	40	141	0			
Heptachlor	9.652	0.8	9.945	0	97.1	47	137	0			
Aldrin	10.27	0.8	9.945	0	103	45	140	0			
Dieldrin	26.45	1.6	24.86	0	106	43	150	0			
Endrin	27.69	1.6	24.86	0	111	43	184	0			
4,4'-DDT	25.85	1.6	24.86	0	104	38	153	0			
Surr: Tetrachloro-m-xylene	7.727	0	7.956	0	97.1	64	124	0			
Surr: Decachlorobiphenyl	8.13	0	7.956	0	102	65	157	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID	LCS-510	Batch ID:	510	Test Code:	SW8082	Units:	µg/Kg	Analysis Date	12/22/1999 03:28:00	Prep Date	12/15/1999
Client ID:		Run ID:	GC-ELVIS_991223C	SeqNo:	21569						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	452.8	25	493.6	0	91.7	67	116	0			
Aroclor 1260	494.6	25	493.6	0	100	55	122	0			
Surr: Decachlorobiphenyl	9.149	0	7.897	0	116	65	157	0			
Surr: Tetrachloro-m-xylene	8.515	0	7.897	0	108	64	124	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level

CLIENT: Roy F. Weston, Inc.  
Work Order: 9912133  
Project: SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID: MB-489	Batch ID: 489	Test Code: SW6010B	Units: mg/Kg	Analysis Date 12/23/99 12:34:01 PM	Prep Date: 12/21/99						
Client ID:	Run ID: ICP-OPTIMA_991223A	SeqNo: 13139									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	5									
Barium	ND	20									
Cadmium	ND	0.5									
Chromium	0.8058	1									J
Lead	ND	5									
Selenium	1.687	8									J
Silver	ND	1.4									

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID: MBLK	Batch ID: R808	Test Code: E418.1	Units: mg/Kg	Analysis Date: 12/17/99	Prep Date:						
Client ID:		Run ID: ING-IR_991217A		SeqNo: 11116							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	25									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level



**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Method Blank

Sample ID: MB-436	Batch ID: 436	Test Code: SW7471	Units: mg/Kg	Analysis Date 12/17/99	Prep Date: 12/16/99						
Client ID:	Run ID: HG-FIMS_991217A	SeqNo: 11039									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.025									

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	* - Value exceeds Maximum Contaminant Level
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.		

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Method Blank

Sample ID: MBLANK	Batch ID: R915	Test Code: SW7.3.3.2	Units: mg/Kg	Analysis Date: 12/22/99	Prep Date:						
Client ID:	Run ID: ING-WET_991222A	SeqNo: 12328									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	10									

Sample ID: MBLANK	Batch ID: R922	Test Code: SW7.3.3.2	Units: mg/Kg	Analysis Date: 12/22/99	Prep Date:						
Client ID:	Run ID: ING-WET_991222B	SeqNo: 12443									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	10									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level

ND - Reporting Limit defined as the lowest concentration the laboratory can accurately detect.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Method Blank

Sample ID: BLK 12/16/99	Batch ID: R891	Test Code: SW7.3.4.2	Units: mg/Kg	Analysis Date 12/16/99	Prep Date:						
Client ID:	Run ID: ING-WET_991216I	SeqNo: 17848									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	50	0	0	0	0	0	0			

Sample ID: BLANK 12/21/99	Batch ID: R889	Test Code: SW7.3.4.2	Units: mg/Kg	Analysis Date 12/21/99	Prep Date:						
Client ID:	Run ID: ING-WET_991221D	SeqNo: 17849									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	50									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

AMRO Environmental Laboratories Corp.

Date: 01-Feb-00

CLIENT: Roy F. Weston, Inc.

Work Order: 9912133

Project: SA71-Devens

## QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912077-02AD	Batch ID: R802	Test Code: SW1010	Units: °F	Analysis Date: 12/16/99	Prep Date:						
Client ID:	Run ID: ING-WET_991216E	SeqNo: 17846									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	ND	0	0	0	0	0	0	0	0	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

ND - Reporting Limit defined as the lowest concentration the laboratory can accurately titrate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912133-06CD		Batch ID: R915		Test Code: SW7.3.3.2		Units: mg/Kg		Analysis Date 12/22/99		Prep Date:	
Client ID: SA71-WC06		Run ID: ING-WET_991222A				SeqNo: 12343					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	10	0	0	0	0	0	0	0	20	

Sample ID: 9912077-02AD	Batch ID: R922	Test Code: SW7.3.3.2	Units: mg/Kg	Analysis Date 12/22/99	Prep Date:						
Client ID:	Run ID: ING-WET_991222B	SeqNo: 12450									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	10	0	0	0	0	0	0	0	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912133-06CD Batch ID: R889 Test Code: SW7.3.4.2 Units: mg/Kg Analysis Date 12/21/99 Prep Date:  
Client ID: SA71-WC06 Run ID: ING-WET\_991221D SeqNo: 12210

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	50	0	0	0	0	0	0	0	20	

Sample ID: 9912077-02AD Batch ID: R891 Test Code: SW7.3.4.2 Units: mg/Kg-dry Analysis Date 12/16/99 Prep Date:  
Client ID: Run ID: ING-WET\_991216I SeqNo: 12224

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	50	0	0	0	0	0	0	0	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately titrate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level



**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912133-01CD	Batch ID: R755	Test Code: SW9045C	Units: pH Units	Analysis Date 12/15/99	Prep Date:						
Client ID: SA71-WC01	Run ID: ING-WET_991215A	SeqNo: 10433									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	5.01	0	0	0	0	0	0	5	0.2	0.2	

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	* - Value exceeds Maximum Contaminant Level
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.		

## AMRO Environmental Laboratories Corp.

Date: 01-Feb-00

CLIENT: Roy F. Weston, Inc.

Work Order: 9912133

Project: SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912020-01AMS	Batch ID: 489	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 12/23/99 12:53:41 PM	Prep Date: 12/21/99						
Client ID:	Run ID: ICP-OPTIMA_991223A	SeqNo: 13144									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	568.4	6.5	516.5	14.11	107	75	125	0			
Barium	536.8	26	516.5	14.23	101	75	125	0			
Cadmium	105	0.65	103.3	0	102	75	125	0			
Chromium	521.9	1.3	516.5	7.624	99.6	75	125	0			
Lead	533.9	6.5	516.5	2.446	103	75	125	0			
Selenium	502.9	10	516.5	3.069	96.8	75	125	0			
Silver	51.27	1.8	51.65	0	99.3	75	125	0			

Sample ID: 9912020-01AMSD	Batch ID: 489	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date	12/23/99 12:57:23 PM	Prep Date: 12/21/99					
Client ID:	Run ID: ICP-OPTIMA_991223A	SeqNo: 13145									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	598.6	7	557.3	14.11	105	75	125	568.4	5.18	20	
Barium	557.3	28	557.3	14.23	97.5	75	125	536.8	3.75	20	
Cadmium	110	0.7	111.5	0	98.7	75	125	105	4.64	20	
Chromium	555.3	1.4	557.3	7.624	98.3	75	125	521.9	6.2	20	
Lead	559.1	7	557.3	2.446	99.9	75	125	533.9	4.6	20	
Selenium	532.3	11	557.3	3.069	95	75	125	502.9	5.67	20	
Silver	53.39	2	55.73	0	95.8	75	125	51.27	4.05	20	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912133-01CMS	Batch ID: R808	Test Code: E418.1	Units: mg/Kg-dry	Analysis Date: 12/17/99	Prep Date:						
Client ID: SA71-WC01		Run ID: ING-IR_991217A		SeqNo: 11119							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	736.1	36	385	400.8	87.1	80	120	0			

Sample ID: 9912133-01CMSD	Batch ID: R808	Test Code: E418.1	Units: mg/Kg-dry	Analysis Date: 12/17/99	Prep Date:						
Client ID: SA71-WC01		Run ID: ING-IR_991217A		SeqNo: 11120							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	758.3	36	388	400.8	92.1	80	120	736.1	2.97	20	

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	* - Value exceeds Maximum Contaminant Level
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.		

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912151-01BMS		Batch ID: 436		Test Code: SW7471		Units: mg/Kg-dry		Analysis Date 12/17/99		Prep Date: 12/16/99	
Client ID:		Run ID: HG-FIMS_991217A		SeqNo: 11019							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6656	0.029	0.5715	0.0395	110	75	125	0			

Sample ID: 9912151-01BMSD		Batch ID: 436		Test Code: SW7471		Units: mg/Kg-dry		Analysis Date 12/17/99		Prep Date: 12/16/99	
Client ID:		Run ID: HG-FIMS_991217A		SeqNo: 11020							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6107	0.026	0.5264	0.0395	108	75	125	0.6656	8.61	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS-489		Batch ID: 489		Test Code: SW6010B		Units: mg/Kg		Analysis Date 12/23/99 12:37:45 PM		Prep Date: 12/21/99	
Client ID:		Run ID:		ICP-OPTIMA_991223A		SeqNo:		13140			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	431.6	5	400	0	108	80	120	0			
Barium	394.9	20	400	0	98.7	80	120	0			
Cadmium	80.07	0.5	80	0	100	80	120	0			
Chromium	389.6	1	400	0.8058	97.2	80	120	0			
Lead	404.3	5	400	0	101	80	120	0			
Selenium	390.4	8	400	1.687	97.2	80	120	0			
Silver	37.88	1.4	40	0	94.7	80	120	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS	Batch ID: R808	Test Code: E418.1	Units: mg/Kg	Analysis Date: 12/17/99	Prep Date:						
Client ID:	Run ID: ING-IR_991217A	SeqNo: 11117									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	269.6	25	299.6	0	90	80	120	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level



**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS 121699	Batch ID: R802	Test Code: SW1010	Units: °F	Analysis Date 12/16/99	Prep Date:						
Client ID:		Run ID: ING-WET_991216E		SeqNo: 19586							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	82	0	81	0	101	79	83	0			

Sample ID: LCS 121699 #2	Batch ID: R802	Test Code: SW1010	Units: °F	Analysis Date 12/16/99	Prep Date:						
Client ID:		Run ID: ING-WET_991216E		SeqNo: 19587							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	98	0	100	0	98	98	102	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS-436	Batch ID: 436	Test Code: SW7471	Units: mg/Kg	Analysis Date: 12/17/99	Prep Date: 12/16/99						
Client ID:	Run ID: HG-FIMS_991217A	SeqNo: 11036									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4851	0.025	0.5	0	97	80	120	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      \* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately report.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 9912133  
**Project:** SA71-Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS 121599	Batch ID: R755	Test Code: SW9045C	Units: pH Units	Analysis Date: 12/15/99	Prep Date:						
Client ID:	Run ID: ING-WET_991215A	SeqNo: 19588									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.95	0	8	0	99.4	7.95	8.05	0			

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	* - Value exceeds Maximum Contaminant Level
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.		

**AMRO Environmental Laboratories Corp.****Date:** 27-Jan-00**CLIENT:** Roy F. Weston, Inc.**Project:** SA71- Devens**Lab Order:** 0001188**Date Received:** 1/19/00**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
0001188-01A	SA71-WC01		12/14/99
0001188-02A	SA71-WC02		12/14/99
0001188-03A	SA71-WC03		12/14/99
0001188-04A	SA71-WC04		12/14/99
0001188-05A	SA71-WC05		12/14/99
0001188-06A	SA71-WC06		12/14/99
0001188-07A	SA71-WC07		12/14/99
0001188-08A	SA71-WC08		12/14/99
0001188-09A	SA71-WC09		12/14/99
0001188-10A	SA71-WC10		12/14/99
0001188-11A	SA71-WC11		12/14/99
0001188-12A	SA71-WC12		12/14/99

Lab Order: 0001188  
 Client: Roy F. Weston, Inc.  
 Project: SA71- Devens

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0001188-01A	SA71-WC01	12/14/99	Soil	ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
0001188-02A	SA71-WC02			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
0001188-03A	SA71-WC03			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-04A	SA71-WC04			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-05A	SA71-WC05			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-06A	SA71-WC06			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-07A	SA71-WC07			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-08A	SA71-WC08			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-09A	SA71-WC09			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-10A	SA71-WC10			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00

Lab Order: 0001188  
Client: Roy F. Weston, Inc.  
Project: SA71- Devens

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0001188-10A	SA71-WC10	12/14/99	Soil	ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
0001188-11A	SA71-WC11			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
0001188-12A	SA71-WC12			ICP METALS, 3051/6010		12/21/99	12/23/99
				ICP METALS, TCLP	1/20/00	1/21/00	1/25/00
				ICP METALS, TCLP	1/20/00	1/21/00	1/24/00



**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-WC01
<b>Lab Order:</b>	0001188	<b>Tag Number:</b>	
<b>Project:</b>	SA71- Devens	<b>Collection Date:</b>	12/14/99
<b>Lab ID:</b>	0001188-01A	<b>Matrix:</b>	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	75	5.8		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	3.7	0.25		mg/L	1	1/25/00 2:27:46 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-WC02
<b>Lab Order:</b>	0001188	<b>Tag Number:</b>	
<b>Project:</b>	SA71- Devens	<b>Collection Date:</b>	12/14/99
<b>Lab ID:</b>	0001188-02A	<b>Matrix:</b>	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010						Analyst: REB
Antimony	54	6.5		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP						Analyst: RK
Lead	2.0	0.25		mg/L	1	1/25/00 2:32:33 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 0001188  
**Project:** SA71- Devens  
**Lab ID:** 0001188-03A

**Client Sample ID:** SA71-WC03  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	18	5.6		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	5.6	0.25	*	mg/L	1	1/25/00 2:37:20 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
\* - Value exceeds Maximum Contaminant Level # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 0001188  
**Project:** SA71- Devens  
**Lab ID:** 0001188-04A

**Client Sample ID:** SA71-WC04  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	19	5.8		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	2.9	0.25		mg/L	1	1/25/00 2:42:06 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC05**Lab Order:** 0001188**Tag Number:****Project:** SA71- Devens**Collection Date:** 12/14/99**Lab ID:** 0001188-05A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	42	6.8		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	1.7	0.25		mg/L	1	1/25/00 2:46:53 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC06**Lab Order:** 0001188**Tag Number:****Project:** SA71- Devens**Collection Date:** 12/14/99**Lab ID:** 0001188-06A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	73	5.9		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	16	0.25	*	mg/L	1	1/25/00 2:51:42 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	



**AMRO Environmental Laboratories Corp.****Date:** 26-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC07**Lab Order:** 0001188**Tag Number:****Project:** SA71- Devens**Collection Date:** 12/14/99**Lab ID:** 0001188-07A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010						Analyst: REB
Antimony	94	6.0		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP						Analyst: RK
Lead	4.1	0.25		mg/L	1	1/25/00 3:05:53 PM

**Qualifiers:**

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-WC08
<b>Lab Order:</b>	0001188	<b>Tag Number:</b>	
<b>Project:</b>	SA71- Devens	<b>Collection Date:</b>	12/14/99
<b>Lab ID:</b>	0001188-08A	<b>Matrix:</b>	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010						
Antimony	60	6.1		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP						
Lead	2.3	0.25		mg/L	1	1/25/00 3:10:42 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

**AMRO Environmental Laboratories Corp.****Date:** 26-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 0001188  
**Project:** SA71- Devens  
**Lab ID:** 0001188-09A

**Client Sample ID:** SA71-WC09  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010						Analyst: REB
Antimony	37	5.6		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP						Analyst: RK
Lead	0.48	0.25		mg/L	1	1/25/00 3:15:31 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

**AMRO Environmental Laboratories Corp.**

Date: 26-Jan-00

**CLIENT:** Roy F. Weston, Inc.  
**Lab Order:** 0001188  
**Project:** SA71- Devens  
**Lab ID:** 0001188-10A

**Client Sample ID:** SA71-WC10  
**Tag Number:**  
**Collection Date:** 12/14/99  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	17	7.9		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	0.42	0.25		mg/L	1	1/25/00 3:20:20 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

**AMRO Environmental Laboratories Corp.****Date:** 26-Jan-00**CLIENT:** Roy F. Weston, Inc.**Client Sample ID:** SA71-WC11**Lab Order:** 0001188**Tag Number:****Project:** SA71- Devens**Collection Date:** 12/14/99**Lab ID:** 0001188-11A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	37	5.9		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	0.64	0.25		mg/L	1	1/25/00 3:25:10 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	

**AMRO Environmental Laboratories Corp.****Date:** 26-Jan-00

<b>CLIENT:</b>	Roy F. Weston, Inc.	<b>Client Sample ID:</b>	SA71-WC12
<b>Lab Order:</b>	0001188	<b>Tag Number:</b>	
<b>Project:</b>	SA71- Devens	<b>Collection Date:</b>	12/14/99
<b>Lab ID:</b>	0001188-12A	<b>Matrix:</b>	SOIL

<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
<b>ICP METALS TOTAL SW-846 - 3051/6010</b>		<b>SW6010B</b>				<b>Analyst: REB</b>
Antimony	27	5.9		mg/Kg-dry	1	12/23/99
<b>ICP METALS, TCLP</b>		<b>SW6010B</b>				<b>Analyst: RK</b>
Lead	1.4	0.25		mg/L	1	1/25/00 3:30:01 PM

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	# - See Case Narrative
	RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.	



## SAMPLE RECEIPT CHECKLIST

Client: <u>Wetzel</u>		AMRO ID: <u>9912133</u>	
Project Name: <u>SAH - DEWAS</u>		Date Rec.: <u>12-14-99</u>	
Ship via: (circle one) Fed Ex., UPS, <u>AMRO Courier</u>		Date Due: <u>12-28-99</u>	
Hand Del., Other Courier, Other			

Items to be Checked Upon Receipt	Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?			<input checked="" type="checkbox"/>	
2. Custody Seals present?			<input checked="" type="checkbox"/>	
3. Custody Seals Intact?			<input checked="" type="checkbox"/>	
4. Air Bill included in folder if received?			<input checked="" type="checkbox"/>	
5. Is COC included with samples?	<input checked="" type="checkbox"/>			
6. Is COC signed and dated by client?	<input checked="" type="checkbox"/>			
7. Laboratory receipt temperature.	TEMP = <u>4°</u>		<input checked="" type="checkbox"/>	
	Samples rec. with ice		<input checked="" type="checkbox"/> ice packs <input checked="" type="checkbox"/> neither	
8. Were samples received the same day they were sampled?	<input checked="" type="checkbox"/>			
Is client temperature < 6 degrees C?	<input checked="" type="checkbox"/>			
If no obtain authorization from the client for the analyses.				
Client authorization from:	Date:	Obtained by:		
9. Is the COC filled out correctly and completely?			<input checked="" type="checkbox"/>	
10. Does the info on the COC match the samples?	<input checked="" type="checkbox"/>			
11. Were samples rec. within holding time?	<input checked="" type="checkbox"/>			
12. Were all samples properly labeled?	<input checked="" type="checkbox"/>			
13. Were all samples properly preserved?	<input checked="" type="checkbox"/>			
14. Were proper sample containers used?	<input checked="" type="checkbox"/>			
15. Were all samples received intact? (none broken or leaking)	<input checked="" type="checkbox"/>			
16. Were VOA vials rec. with no air bubbles?			<input checked="" type="checkbox"/>	
17. Were the sample volumes sufficient for requested analysis?	<input checked="" type="checkbox"/>			
18. Were all samples received?	<input checked="" type="checkbox"/>			
19. VPH and VOA Soils only:				
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)				
Sampling Method VOA (circle one): <u>M=Methanol</u> SB=Sodium Bisulfate, E=EnCore, B=Bulk				
If M or SB:				
Does preservative cover the soil?	<input checked="" type="checkbox"/>			
If NO then client must be faxed.				
Does preservation level come close to the fill line on the vial?	<input checked="" type="checkbox"/>			
If NO then client must be faxed.				
Were vials provided by AMRO?	<input checked="" type="checkbox"/>			
If NO then weights MUST be obtained from client				
Was dry weight aliquot provided?	<input checked="" type="checkbox"/>			
If NO then fax client and inform the VOA lab ASAP.				
20. Subcontracted Samples:				
What samples sent				<input checked="" type="checkbox"/>
Where sent				
Date:				
Analysis:				
TAT:				
21. Information entered into:				
Internal Tracking Log?	<input checked="" type="checkbox"/>			
Dry Weight Log?	<input checked="" type="checkbox"/>			
Client Log?	<input checked="" type="checkbox"/>			
Composite Log?			<input checked="" type="checkbox"/>	
Filtration Log?			<input checked="" type="checkbox"/>	
Received By: <u>JH</u>	Date: <u>12-14</u>			
Labeled By: <u>JH</u>	Date: <u>12-14</u>			

# AMRO

Please Circle it:

Sample = Soil

Sample = ~~Waste~~

[illegible]

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 0001188  
**Project:** SA71- Devens

**QC SUMMARY REPORT**

Method Blank

Sample ID: MB-755	Batch ID: 755	Test Code: SW6010B	Units: mg/Kg	Analysis Date: 12/23/99	Prep Date: 12/21/99						
Client ID:		Run ID: ICP-OPTIMA_991223B		SeqNo: 19403							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	4									

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 0001188  
**Project:** SA71- Devens

## QC SUMMARY REPORT

Method Blank

Sample ID: MB-768	Batch ID: 768	Test Code: SW6010B	Units: mg/L	Analysis Date: 1/25/00 1:28:24 PM	Prep Date: 1/21/00						
Client ID:		Run ID: ICP-OPTIMA_000125A		SeqNo: 20014							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately report.

CLIENT: Roy F. Weston, Inc.  
Work Order: 0001188  
Project: SA71- Devens

**QC SUMMARY REPORT**

Sample Matrix Spike

Sample ID: 9912020-01AMS		Batch ID: 755		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 12/23/99		Prep Date: 12/21/99		
Client ID:		Run ID: ICP-OPTIMA_991223B		SeqNo: 19566								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Antimony	502.3	5.2	516.5	0.9989	97.1	75	125	0				

Sample ID: 9912020-01AMSD		Batch ID: 755		Test Code: SW6010B		Units: mg/Kg-dry		Analysis Date 12/23/99		Prep Date: 12/21/99		
Client ID:		Run ID: ICP-OPTIMA_991223B		SeqNo: 19567								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Antimony	541.9	5.6	557.3	0.9989	97.1	75	125	502.3	7.58	20		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 0001188  
**Project:** SA71- Devens

## QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0001187-02AMS		Batch ID: 768		Test Code: SW6010B		Units: mg/L		Analysis Date 1/25/00 1:48:17 PM			Prep Date: 1/21/00	
Client ID:		Run ID: ICP-OPTIMA_000125A		SeqNo: 20021								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	20.02	0.25	20	0	100	50	150	0			*	

Sample ID: 0001187-02AMSD		Batch ID: 768		Test Code: SW6010B		Units: mg/L		Analysis Date 1/25/00 1:51:09 PM			Prep Date: 1/21/00	
Client ID:		Run ID: ICP-OPTIMA_000125A		SeqNo: 20022								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Lead	20.34	0.25	20	0	102	50	150	20.02	1.59	20	*	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level



**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 0001188  
**Project:** SA71- Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS-755	Batch ID: 755	Test Code: SW6010B	Units: mg/Kg	Analysis Date: 12/23/99	Prep Date: 12/21/99						
Client ID:		Run ID: ICP-OPTIMA_991223B		SeqNo: 19404							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	400	4	400	0	100	80	120	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

**CLIENT:** Roy F. Weston, Inc.  
**Work Order:** 0001188  
**Project:** SA71- Devens

**QC SUMMARY REPORT**  
Laboratory Control Spike - generic

Sample ID: LCS-768	Batch ID: 768	Test Code: SW6010B	Units: mg/L	Analysis Date 1/25/00 1:33:21 PM	Prep Date: 1/21/00						
Client ID:	Run ID: ICP-OPTIMA_000125A	SeqNo: 20015									
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	19.92	0.25	20	0	99.6	80	120	0			*

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

## CHAIN OF CUSTODY RECORD

30713

Proj. No.		Project Name <b>SA71 - Devereux</b>				Project State <b>MA</b>		MATRIX Water - A Soil/Solid-S Waste-W Other-O Explain										PAGE <u>1</u> OF <u>1</u>	
Samplers (Signature) <i>[Signature]</i> (DAVID P. CABRAL)						Type Size, & No. of Containers		<div style="display: flex; justify-content: space-between;"> <div>VOC (860)</div> <div>Ignitability</div> <div>SVOCs (8270)</div> <div>RCEA 8 (8270)</div> <div>PCBs/Pesticides</div> <div>TPH-12</div> <div>Reactivity/Corrosivity</div> </div>										Remarks	
Sta. No.	Date	Time	Comp	Grab	Station Location														
	12/14/99	0930	X		SA71-WC01	gl/2-40 ml VOC 1-803 1-1602	S	X	X	X	X	X	X	X	X	X			
		0940	X		SA71-WC02		S	X	X	X	X	X	X	X	X	X			
		0950	X		SA71-WC03			X	X	X	X	X	X	X	X	X			
		1000			SA71-WC04			X	X	X	X	X	X	X	X	X			
		1010			SA71-WC05			X	X	X	X	X	X	X	X	X			
		1020			SA71-WC06			X	X	X	X	X	X	X	X	X			
		1030			SA71-WC07			X	X	X	X	X	X	X	X	X			
		1040			SA71-WC08			X	X	X	X	X	X	X	X	X			
		1050			SA71-WC09			X	X	X	X	X	X	X	X	X			
		1100			SA71-WC10			X	X	X	X	X	X	X	X	X			
		1110			SA71-WC11			X	X	X	X	X	X	X	X	X			
	12/14/99	1120	X		SA71-WC12		S	X	X	X	X	X	X	X	X	X			

Please print clearly, legibly and completely. Samples cannot be logged in and the turnaround time clock will not start until any ambiguities are resolved.

## PRIORITY TURNAROUND TIME AUTHORIZATION

Before submitting samples for expedited T.A.T., you must have requested in advance and received a coded T.A.T. AUTHORIZATION NUMBER.

AUTHORIZATION NO. \_\_\_\_\_ T.A.T. authorized by: \_\_\_\_\_

Relinquished by (Signature) <i>[Signature]</i>	Date Time 12/14/99 1600	Received by (Signature)	<input checked="" type="checkbox"/> Fax to (phone) 978-772-7251	Send Results to: Sam Naik, WESTON PO Box 475 Ayer, MA 01432
Relinquished by (Signature)	Date Time	Received by (Signature)	Results needed	
Relinquished by (Signature)	Date Time	Received by (Signature)	PO#	
Relinquished by (Signature)	Date Time	Received by (Signature)	AMRO Project No. 9912133	Remarks Standard TAT
Relinquished by (Signature)	Date Time 12-14 6:00	Received for Laboratory by (Signature) <i>[Signature]</i>	Seal Intact? Yes No N/A	

---

**APPENDIX D**

**TRANSPORTATION AND DISPOSAL DOCUMENTATION**

---



**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69049

46.48  
Cubic Yards

86532900  
Receipt # 565022-1 Trailer License Plate # and State CR1000 9A545  
Service Req. # BFC Profile # 6840 Permit # 6840A  
Transporter Name Ed KUNATH Tractor/Trailer/Roll-off # MSHAPY  
Driver's Name FORT DEBENS Generator

38389 11 1 2  
10407 01  
1110 11 1 2  
66480P

Scheduled Arrival: \_\_\_\_\_

Actual Arrival: \_\_\_\_\_  
Date \_\_\_\_\_ Time \_\_\_\_\_  
Date \_\_\_\_\_ Time In \_\_\_\_\_ Time Out \_\_\_\_\_

Arrived during Blackout? Y / N Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation  
☐ Other (specify) \_\_\_\_\_

Receiving:     
Initials Comments

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☒ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory  
Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Stabilization  
Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Gross Wt. \_\_\_\_\_ Comments \_\_\_\_\_

Landfill  
Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Other  
Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Truck Wash  
Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Signature (NO Initials) \_\_\_\_\_ Comments \_\_\_\_\_

**Facility Personnel** (please initial)

_____ Smoking or eating in prohibited areas	_____ Leaving truck unattended
_____ Failure to obey instructions of facility personnel	_____ Failure to display overweight flag
_____ Failure to wear appropriate PPE	_____ Improper tarping or dewatering
_____ Unsafe driving practices	<input checked="" type="checkbox"/> Overweight upon arrival
_____ Other (specify) _____	

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments



NYB9208143

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 4)

Please type or print. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. MA 7210025154	Manifest Doc. No. 39361	2. Page 1 of 1	Information within heavy bold line is not required by Federal Law.
3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432 ATTN: JIM CHAMBERS 978-796-3784		6. US EPA ID Number NYR000045724		A. NYB9208143	
4. Generator's Telephone Number		7. Transporter 2 (Company Name)		B. Generator's ID SAME STUDY AREA 71	
5. Transporter 1 (Company Name) BUFFALO FUEL CORP		8. US EPA ID Number		C. State Transporter's ID 207177A NY	
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107		10. US EPA ID Number NYD049836679		D. Transporter's Telephone 800 677800	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)		12. Containers Number 00107	Type P	13. Total Quantity 44,000	14. Unit P
b.					I. Waste No. 5008
c.					STATE
d.					EPA
J. Additional Descriptions for Materials listed Above CR1000- LEAD SOIL		K. Handling Codes for Wastes Listed Above			
a		a		c	
b		b		d	
15. Special Handling Instructions and Additional Information CHEMIREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 565022-1 81532900					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name GAIL F. MILLER		Signature Gail F. Miller		Mo. Day Year 09.06.01	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name EDWARD C. KUNATH		Signature Edward C. Kunath		Mo. Day Year 09.06.01	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space actual rec'd 66480P wt. est. gen. Resolved					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name EILEEN CARTON		Signature Eileen Carton		Mo. Day Year 09.07.01	

COPY 1-Disposer State-Mailed by TSD Facility

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362



DUMPS • ROLL-OFFS • VAC TANKERS • BULK TANKERS • BOX VANS • FLATBEDS • LOWBOYS

262541  
NAL #  
07  
ORDER #  
65022-1

# BUFFALO FUEL CORP.

344 Vulcan Street  
Buffalo, New York 14207-1327  
(800) 677-8002

INVOICE
FREIGHT BILL NO. (OFFICE USE ONLY)

UP DATE 9/6/00	TRUCK OWNER	DELIVERY DATE	TRUCK OWNER
DRIVER EDWARD C KUNATH	DRIVER NO. 6840	DRIVER SAHUE	DRIVER NO.
TRUCK NO. 6840	TRAILER NO. 6840A	TRUCK NO.	TRAILER NO.
NAME US ARMY FORT DEVENS		NAME WM	
STREET		STREET 1550 BALMER RD	
CITY FORT DEVENS MA	STATE MA	CITY Model CITY	STATE N.Y.
ZIP CODE		ZIP CODE	
ADDITIONAL INFO/EQUIP. NEEDED NYB 9208143		ADDITIONAL INFO/EQUIP. NEEDED	

PRODUCT CODE	COMMODITY / MATERIAL DESCRIPTION HAZ WASTE SOLID	QUANTITY	LBS TONS GALLONS YARDS	ROLL OFF BOX	SPOTTED: PICKED UP:
--------------	---	----------	---------------------------------	-----------------	------------------------

UP	DELIVERY
VAL TIME 800 AM	RELEASE TIME 1130 AM
TRUCK EMPTY UPON ARRIVAL (explain below)	TRAILER EMPTY UPON DEPARTURE (If not, explain below)
MEASUREMENT (Tankers Only) _____ INCHES	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
COMMENTS: (EXPLAIN ALL DELAYS AND / OR LOADING TIME)	COMMENTS: (EXPLAIN ALL DELAYS AND / OR LOADING TIME)
UNDER SIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.	UNDER SIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.
DRIVER'S SIGNATURE Ed KUNATH	DRIVER'S SIGNATURE Ed KUNATH
CONSIGNEE'S SIGNATURE	CONSIGNEE'S SIGNATURE

ENDING METER 520555	ENDING HUBOMETER	N.Y.S. TOLL CARD #:
MAJOR CITIES	MAJOR ROUTES	M.A. TOLL CARD #:
Origin Seneca Falls NY	VIA: 90	RATE
4E MA 520786	90-290-190-2	HOLDING TIME HRS. @ /HR.
A# NY	VIA: 90-290-190-62-18	VACUUM TIME HRS. @ /HR.
10801 CITY NY	VIA:	RENTAL DAYS @ /DAY
VIA:	VIA:	BAG LINER YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
VIA:	VIA:	OTHER CHGS.
VIA:	VIA:	SALES TAX
VIA:	VIA:	TRANSPORT TAX
VIA:	VIA:	TOTAL AMOUNT



**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69068

56  
Cubic Yards

81832920

98291F NY

Receipt #

Trailer License Plate # and State

565022-2

CR100

NYR000645724

Service Req. #

Profile #

Permit #

Buffalo Elec Corp

R1860/10171

Transporter Name

Tractor/Trailer/Roll-off #

Wesley Hammer

US Army Ft Devens

Driver's Name

Generator

Scheduled Arrival: 9-7-00

10:00 am

Actual Arrival: 9-7-00

1001

Date

Time

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

☐

Leaker

☐

Permit Violation

☐

Placarding/Veh. I.D. Violation

☐

Other (specify)

☐

Bulk to Landfill

☐

No wet line

☐

Flatbed

☒

Stabilization

☐

Drums

☐

Tanker

☐

Transformers

Laboratory

Time In

Time Out

Initials

Comments

Stabilization

Time In

Time Out

Initials

Gross Wt.

Comments

Landfill

Time In

Time Out

Initials

Comments

Other

Time In

Time Out

Initials

Comments

Truck Wash

Time In

Time Out

Signature (NO Initials)

Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9208197

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CWM1

Please type or print. Do not staple.

(Hazardous Waste Manifest 4/97)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. MA7210025154		Manifest Doc. No. 39362		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432 ATTN: JIM CHAMBERS						A. NYB9208197					
4. Generator's Telephone Number 978-796-3784						B. Generator's ID SAME STUDY AREA 71297					
5. Transporter 1 (Company Name) B. Frate Fuel Corp			6. US EPA ID Number NY80000045724			C. State Transporter's ID 98291564					
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone (800) 208-7032					
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107						E. State Transporter's ID					
10. US EPA ID Number NYD049836679						F. Transporter's Telephone ( )					
						G. State Facility ID					
						H. Facility Telephone ( ) 716 754-8231					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)						12. Containers Number Type 001 DT		13. Total Quantity 440.00 P		14. Unit Wt/Vol P	
b.										I. Waste No. 5008	
c.										STATE	
d.										EPA	
										STATE	
J. Additional Descriptions for Materials listed Above CR1000- LEAD SOIL						K. Handling Codes for Wastes Listed Above a. <input checked="" type="checkbox"/> T c. <input type="checkbox"/>					
b. <input type="checkbox"/> d. <input type="checkbox"/>						b. <input type="checkbox"/> d. <input type="checkbox"/>					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract ERG#171 SERVICE REQUEST# 565022-2 81532920											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name GAIL F. MILLER				Signature Gail F. Miller				Mo. Day Year 09.06.00			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Wesley Hammer				Signature Wesley Hammer				Mo. Day Year 09.06.00			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Mo. Day Year			
19. Discrepancy Indication Space actual received 44860P											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name Eileen Carter				Signature Eileen Carter				Mo. Day Year 09.07.00			

COPY 1-Disposer State-Mailed by TSD Facility



LOAD #	<del>706256</del>
TERMINAL	262542
WORK ORDER #	00317

# BUFFALO FUEL CORP.

344 Vulcan Street  
Buffalo, New York 14207-1327  
(800) 677-8002

INVOICE
FREIGHT BILL NO. (OFFICE USE ONLY)

PICK UP DATE	09-06-00	TRUCK OWNER	BRC	DELIVERY DATE	09-07-00	TRUCK OWNER	
DRIVER	Wesley Hammer	DRIVER NO.	HAMW	DRIVER	SAME	DRIVER NO.	
TRUCK NO.	R1860	TRAILER NO.	50191	TRUCK NO.		TRAILER NO.	
NAME	US ARMY	NAME	CWM				
STREET	3106 1650	STREET	Baumer Rd				
CITY	Ft Devens	CITY	Model City				
STATE	MA	STATE	NY				
ZIP CODE		ZIP CODE					

ADDITIONAL INFO/EQUIP. NEEDED	ADDITIONAL INFO/EQUIP. NEEDED
-------------------------------	-------------------------------

PRODUCT CODE	COMMODITY / MATERIAL DESCRIPTION	QUANTITY	LBS	TONS	GALLONS	YARDS	ROLL OFF	BOX	SPOTTED:	PICKED UP:
3077	LED DIRT									

PICK UP	DELIVERY						
ARRIVAL TIME	08:00 AM	RELEASE TIME	11:45 AM	DRIVER	Wesley Hammer	DATE	9-7-00
TRAILER EMPTY UPON ARRIVAL (If not, explain below)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	ARRIVAL TIME	10:00 AM	RELEASE TIME		DATE	
DIP MEASUREMENT (Tankers Only)		INCHES		TRAILER EMPTY UPON DEPARTURE (If not, explain below)	<input type="checkbox"/> YES <input type="checkbox"/> NO		
COMMENTS: (EXPLAIN ALL DELAYS AND / OR LOADING TIME)	Duty to leave before 11:00 AM						

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.	I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE.
X <u>Wesley Hammer</u>	X <u>Edwin Carter</u>
DRIVER'S SIGNATURE	DRIVER'S SIGNATURE
X <u>Edwin Carter</u>	X <u>Edwin Carter</u>
SHIPPER'S SIGNATURE	CONSIGNEE'S SIGNATURE
FIRM	FIRM

BEGINNING HUBOMETER	63031	ENDING HUBOMETER		N.Y.S. TOLL CARD #:	
MAJOR CITIES	MAJOR ROUTES	M.A. TOLL CARD #:		RATE	\$
START Loading Origin	1-Devens Mass	VIA:	2-190-290-90-	HOLDING TIME	HRS. @ /HR.
TO:	Model City NY	VIA:	78-990-290-190-	VACUUM TIME	HRS. @ /HR.
		VIA:	265-104-18	RENTAL	DAYS @ /DAY
TO:		VIA:		BAG LINER	<input type="checkbox"/> YES <input type="checkbox"/> NO
TO:		VIA:		OTHER CHGS.	
TO:		VIA:		SALES TAX	
TO:		VIA:		TRANSPORT TAX	
				TOTAL AMOUNT	



**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69298

60  
Cubic Yards

16:11 94240 LB 6 2  
09/11/00

18:40 31840 LB 6 1  
09/11/00

62400P

81533148  
Receipt #  
52478-2 CA1000 941545  
Service Req. # Profile # Permit #  
DFC 687410237  
Transporter Name  
V. T. Maynas  
Driver's Name  
Tractor/Trailer/Roll-off #  
Font Devens  
Generator

Scheduled Arrival: \_\_\_\_\_  
Date Time  
Actual Arrival: \_\_\_\_\_  
Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation  
☐ Other (specify \_\_\_\_\_)

Receiving: AD  
Initials Comments

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory  
Time In Time Out Initials Comments

Stabilization  
Time In Time Out Initials Gross Wt. Comments

Landfill  
Time In Time Out Initials Comments

Other  
Time In Time Out Initials Comments

Truck Wash  
Time In Time Out Signature (NO Initials) Comments

**Facility Personnel** (please initial)

_____ Smoking or eating in prohibited areas	_____ Leaving truck unattended
_____ Failure to obey instructions of facility personnel	_____ Failure to display overweight flag
_____ Failure to wear appropriate PPE	_____ Improper tarping or detarpin
_____ Unsafe driving practices	_____ Overweight upon arrival
_____ Other (specify _____)	

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9395964

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS

**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CV

(Hazardous Waste Manifest 42)

Please type or print. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. MA 7210025154		Manifest Doc. No. 100326		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.									
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS</b> BLDG 1650 FORT DEVENS MA 01432						A. <b>NYB9395964</b>											
4. Generator's Telephone Number 978-796-3784						B. Generator's ID SAME Study Area 71											
5. Transporter 1 (Company Name) Buffalo Fuel Corp				6. US EPA ID Number NY 2000945724		C. State Transporter's ID 292769AM											
7. Transporter 2 (Company Name)				8. US EPA ID Number		D. Transporter's Telephone 800677											
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C.</b> 1550 BALMER RD. MODEL CITY NY 14107				10. US EPA ID Number NY D049836679		E. State Transporter's ID											
						F. Transporter's Telephone ( )											
						G. State Facility ID											
						H. Facility Telephone ( ) 716 754-8231											
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S.,</b> <b>9, NA3077, III, (LEAD)</b>						00101		Estimate 44,000		P		b. 0008					
b.												STATE					
c.												EPA					
d.												STATE					
J. Additional Descriptions for Materials listed Above <b>CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above a. <input checked="" type="checkbox"/> T c. <input type="checkbox"/>											
b. <input type="checkbox"/> d. <input type="checkbox"/>						b. <input type="checkbox"/> d. <input type="checkbox"/>											
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract</b> <b>ERG#171</b> <b>SERVICE REQUEST# 52478-2</b> <b>81533148</b>																	
16. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name <b>GAIL F. MILLER</b>						Signature <i>Gail F Miller</i>				Mo. Day Year 09.11.00							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <b>Joseph I Magnus</b>				Signature <i>Joe I Magnus</i>				Mo. Day Year 09.11.00			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Mo. Day Year			
19. Discrepancy Indication Space <b>Actual Recd 62400P</b>																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name <b>Lynn Piechowski</b>						Signature <i>Lynn Piechowski</i>				Mo. Day Year 09.11.00							

In case of emergency or spill immediately call the National Response Center (800) 424-9802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 1-Disposer State-Mailed by TSD Facility





**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69304

50 yds  
Cubic Yards

98400 LB 5 2

17:04

09/11/00

33240 LB 5 1

20:23

09/11/00

65160P

B1533154

88937H NY

Receipt # 52478-8 CR-1000 PA 242

Service Req. # CR-1000 Profile # PA 242 Permit # 309-309-A

Transporter Name US Bulk Trans. Inc. Tractor/Trailer/Roll-off # 309-309-A

Driver's Name Kerry Hicks Generator US Army Fort Devens

Scheduled Arrival:

Date \_\_\_\_\_ Time \_\_\_\_\_

Actual Arrival:

Date \_\_\_\_\_ Time In \_\_\_\_\_ Time Out \_\_\_\_\_

Arrived during Blackout? Y / N Notified DEC? Y / N

- ☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation  
☐ Other (specify \_\_\_\_\_)

Receiving: <u>[Signature]</u>
Initials _____
Comments _____

- ☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Stabilization

Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Gross Wt. \_\_\_\_\_ Comments \_\_\_\_\_

Landfill

Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Other

Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Truck Wash

Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Signature (NO Initials) \_\_\_\_\_ Comments \_\_\_\_\_

**Facility Personnel** (please initial)

- |  |  |
|--|--|
| _____ Smoking or eating in prohibited areas              | _____ Leaving truck unattended           |
| _____ Failure to obey instructions of facility personnel | _____ Failure to display overweight flag |
| _____ Failure to wear appropriate PPE                    | _____ Improper tarping or detarpin       |
| _____ Unsafe driving practices                           | _____ Overweight upon arrival            |
| _____ Other (specify) _____                              |  |

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9395973

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS

**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CW

(Hazardous Waste Manifest 4)

Please type or print. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. MA 7210025154		Manifest Doc. No. 2. Page 1 of 1 60325		Information within heavy bold line is not required by Federal Law.	
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS</b> BLDG 1650 FORT DEVENS MA 01432				A. <b>NYB9395973</b>			
4. Generator's Telephone 978-796-3784				B. Generator's ID SAME Study Area 71			
5. Transporter 1 (Company Name) <b>US BULK TRANSPORT Inc.</b>		6. US EPA ID Number PA.D987347515		C. State Transporter's ID 88957H A		D. Transporter's Telephone 888-6518	
7. Transporter 2 (Company Name)		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Telephone ( )	
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C.</b> 1550 BALMER RD. MODEL CITY NY 14107				10. US EPA ID Number NY.D049836679		G. State Facility ID	
				H. Facility Telephone ( ) 716 754-8231			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers Number Type		13. Total Quantity	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>				001 DT		Estimate 44,000 P	
b.						I. Waste No. EPA D008	
c.						STATE	
d.						EPA	
						STATE	
J. Additional Descriptions for Materials listed Above <b>CR1000-LEAD CONTAMINATED SOIL</b>				K. Handling Codes for Wastes Listed Above			
a				T		c	
b						d	
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract</b> <b>ERG#171</b> <b>SERVICE REQUEST# 52476-B 81533164</b>							
16. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <b>GAIL F. MILLER</b>				Signature <i>Gail F. Miller</i>		Mo. Day Year 09.1.10	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <b>KEVIN HICKS</b>				Signature <i>Kevin Hicks</i>		Mo. Day Year 09.1.10	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Mo. Day Year	
19. Discrepancy Indication Space <b>Actual Recd 65160P</b>							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name <b>Lynn Piechowski</b>				Signature <i>Lynn Piechowski</i>		Mo. Day Year 09.1.10	

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 1—Disposer State—Mailed by TSD Facility



**Transporter Log**  
**CWM Chemical Services, Inc.**

69297

50  
Cubic Yards

Model City, NY

81533147

99464-F-NY

94220 LB 6 2

16:07

09/11/00

Receipt #

Trailer License Plate # and State

52478-3

CR1000

9A545

Service Req. #

Profile #

Permit #

Transporter Name  
BFC

1857 F0202

Tractor/Trailer/Roll-off #

Driver's Name  
RANDY WARD

U.S.A. FORT DRUENS

Generator

18:48

32100 LB 6 1

09/11/00

67 120P

Scheduled Arrival:

Date

Time

Actual Arrival:

Date

Time In

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify \_\_\_\_\_)

Receiving: AS

Initials

Comments

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In

Time Out

Initials

Comments

Stabilization

Time In

Time Out

Initials

Gross Wt.

Comments

Landfill

Time In

Time Out

Initials

Comments

Other

Time In

Time Out

Initials

Comments

Truck Wash

Time In

Time Out

Signature (NO Initials)

Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify \_\_\_\_\_)

Security Guard Initials: \_\_\_\_\_

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments



NYB9396027

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CW

Please type or print. Do not staple.

(Hazardous Waste Manifest 4/87)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>00320</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9396027</b>							
4. Generator's Telephone <b>978-796-3784</b>						B. Generator's ID <b>Stdy Arch 71</b> <b>SAME</b>							
5. Transporter 1 (Company Name) <b>B. Hale Fuel Corp</b>				6. US EPA ID Number <b>NY R000045724</b>		C. State Transporter's ID <b>99464-F</b>							
7. Transporter 2 (Company Name)				8. US EPA ID Number		D. Transporter's Telephone <b>800 6738000</b>							
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>						10. US EPA ID Number <b>NY D049836679</b>		E. State Transporter's ID					
						F. Transporter's Telephone ( )		G. State Facility ID					
						H. Facility Telephone ( ) <b>716 754-8231</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>						001 DT		Estimate 4,400.0 P				5008 STATE	
b.												EPA STATE	
c.												EPA STATE	
d.												EPA STATE	
J. Additional Descriptions for Materials listed Above <b>CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above a. <input checked="" type="checkbox"/> T c. <input type="checkbox"/> b. <input type="checkbox"/> d. <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 52478-3 81533147</b>													
16. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>GAIL F. MILLER</b>						Signature <i>Gail F Miller</i>						Mo. Day Year <b>09.11.01</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>RANDALL WARD</b>						Signature <i>Randall Ward</i>						Mo. Day Year <b>09.11.01</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature						Mo. Day Year	
19. Discrepancy Indication Space <b>Actual Rec'd 621208</b>													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>Lynn Piechowski</b>													
Signature <i>Lynn Piechowski</i>						Mo. Day Year <b>09.11.01</b>							

COPY 1-Disposer State-Mailed by TSD Facility

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362



**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69301

60  
Cubic Yards

81533151 242822A NY  
Receipt # 52478-4 CR1000 Trailer License Plate # and State 9A54K  
Service Req. # Profile # Permit # 68410228  
Transporter Name Buffalo Fuel Corp. Tractor/Trailer/Roll-off #  
Driver's Name Sam McDowell US Army Fort Devens  
Generator

16:29 88820 LB 6 2  
09/11/00

18:54 33900 LB 6 1  
09/11/00 54920P

Scheduled Arrival: \_\_\_\_\_  
Actual Arrival: \_\_\_\_\_  
Date Time Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation  
☐ Other (specify \_\_\_\_\_)

Receiving: hio  
Initials Comments

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory  
Time In Time Out Initials Comments

Stabilization  
Time In Time Out Initials Gross Wt. Comments

Landfill  
Time In Time Out Initials Comments

Other  
Time In Time Out Initials Comments

Truck Wash  
Time In Time Out Signature (NO Initials) Comments

**Facility Personnel** (please initial)

_____ Smoking or eating in prohibited areas	_____ Leaving truck unattended
_____ Failure to obey instructions of facility personnel	_____ Failure to display overweight flag
_____ Failure to wear appropriate PPE	_____ Improper tarping or detarpin
_____ Unsafe driving practices	_____ Overweight upon arrival
_____ Other (specify _____)	

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9396036

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



CW

**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 4/79)

Please type or print. Do not staple.

* <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>00321</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.	
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>		4. Generator's Telephone <b>978-796-3784</b>		5. Transporter 1 (Company Name) <b>Buffalo Fuel Corp.</b>		6. US EPA ID Number <b>NYR000045724</b>		A. <b>NYB9396036</b>	
7. Transporter 2 (Company Name)		8. US EPA ID Number		C. State Transporter's ID <b>242822A NY</b>		D. Transporter's Telephone <b>(800) 677-6000</b>		B. Generator's ID <b>Stdy Area 71</b>	
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>		10. US EPA ID Number <b>NYD049836679</b>		E. State Transporter's ID		F. Transporter's Telephone ( )		G. State Facility ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) <b>a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>		12. Containers Number Type <b>001 DT</b>		13. Total Quantity <b>Estimate 4,400 P</b>		14. Unit Wt/Vol		I. Waste No. <b>EPA D008</b>	
b.								EPA	
c.								STATE	
d.								EPA	
								STATE	
J. Additional Descriptions for Materials listed Above <b>a. CR1000-LEAD CONTAMINATED SOIL</b>		K. Handling Codes for Wastes Listed Above <b>a. T</b>		c.		d.			
b.		b.		c.		d.			
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 52478-4 81533151</b>									
16. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <b>GAIL F. MILLER</b>		Signature <i>Gail F. Miller</i>		Mo. Day Year <b>09.11.00</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Sam McQuell</b>		Signature <i>Sam McQuell</i>		Mo. Day Year <b>09.11.00</b>					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Mo. Day Year					
19. Discrepancy Indication Space <b>Actual Recd 54920P</b>									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>Lynn Piechowski</b>									
Signature <i>Lynn Piechowski</i>		Mo. Day Year <b>09.11.00</b>							

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362





# Transporter Log

CWM Chemical Services, Inc.

Model City, NY

69296

465d  
Cubic Yards

91533146

Receipt #

52478-1

Service Req. #

CA1000

Profile #

Transporter Name

Driver's Name

207177A NY

Trailer License Plate # and State

9A545

Permit #

6840 6840A

Tractor/Trailer/Roll-off #

US ARMY FORT DEVENS

Generator

16:01

93380 LB G 2

09/11/00

18:42

32280 LB G 1

09/11/00

61100P

Scheduled Arrival:

Date

Time

Actual Arrival:

Date

Time In

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

☐ Leaker

☐ Permit Violation

☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

Receiving:

Initials

Comments

☐ Bulk to Landfill

☐ No wet line

☐ Flatbed

☐ Stabilization

☐ Drums

☐ Tanker

☐ Transformers

Laboratory

Time In

Time Out

Initials

Comments

Stabilization

Time In

Time Out

Initials

Gross Wt.

Comments

Landfill

Time In

Time Out

Initials

Comments

Other

Time In

Time Out

Initials

Comments

Truck Wash

Time In

Time Out

Signature (NO Initials)

Comments

## Facility Personnel (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9396045

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



CW

**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest 4/1)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>00319</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9396045</b>							
4. Generator's Telephone Number <b>978-796-3784</b>						B. Generator's ID <b>SAME Study Area 71</b>							
5. Transporter 1 (Company Name) <b>BUFFALO FUEL CORP</b>			6. US EPA ID Number <b>NYR000045724</b>			C. State Transporter's ID <b>207177A NH</b>							
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone <b>800-6777800</b>							
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>						E. State Transporter's ID							
10. US EPA ID Number <b>NYD049836679</b>						F. Transporter's Telephone ( )							
						G. State Facility ID							
						H. Facility Telephone ( ) <b>716 754-8231</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>						001 DT		Binate 4,400.0		P		5008 STATE	
b.												EPA STATE	
c.												EPA STATE	
d.												EPA STATE	
J. Additional Descriptions for Materials listed Above <b>CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above							
a						a <input checked="" type="checkbox"/> T c <input type="checkbox"/>							
b						b <input type="checkbox"/> d <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 52478-1 81533/46</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>GAIL F. MILLER</b>						Signature <i>Gail F. Miller</i>						Mo. Day Year <b>09.11.06</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name <b>Edward C. KUNATH</b>						Signature <i>Edward C. Kunath</i>						Mo. Day Year <b>09.11.06</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Mo. Day Year	
19. Discrepancy Indication Space <b>Actual Rec'd 61100P</b>													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name <b>Lynn Piechowski</b>						Signature <i>Lynn Piechowski</i>						Mo. Day Year <b>09.11.06</b>	

COPY 1-Disposer State-Mailed by TSD Facility

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NY's Department of Environmental Conservation (518) 457-7362

**Transporter Log**

CWM Chemical Services, Inc.

Model City, NY

69303

50  
Cubic Yards

16:35 105960 LB 6 2

09/11/00

81533153

733615 NY  
Trailer License Plate # and State

Receipt #

52978-5

CR1000

PA 242

Service Req. #

Profile #

Permit #

US Bulk Transport

305 302A  
Tractor/Trailer/Roll-off #S. Smith  
Driver's NameUS Army  
Generator

36400 LB 6 1

19:34

09/11/00

69560P

Scheduled Arrival:

Date

Time

Actual Arrival:

Date

Time In

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation☐ Other (specify)

Receiving:

Initials

Comments

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In

Time Out

Initials

Comments

Stabilization

Time In

Time Out

Initials

Gross Wt.

Comments

Landfill

Time In

Time Out

Initials

Comments

Other

Time In

Time Out

Initials

Comments

Truck Wash

Time In

Time Out

Signature (NO Initials)

Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments



NYB9396054

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CW

(Hazardous Waste Manifest 4/)

Please type or print. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>00322</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9396054</b>							
4. Generator's Telephone <b>978-796-3784</b>						B. Generator's ID <b>SAME Study Area 71</b>							
5. Transporter 1 (Company Name) <b>US BULK TRANSPORT INC</b>				6. US EPA ID Number <b>PAD987347515</b>		C. State Transporter's ID <b>733615</b>							
7. Transporter 2 (Company Name)				8. US EPA ID Number		D. Transporter's Telephone <b>814-8382</b>							
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>				10. US EPA ID Number <b>NYD049836679</b>		E. State Transporter's ID							
						F. Transporter's Telephone ( )							
						G. State Facility ID							
						H. Facility Telephone ( ) <b>716 754-8231</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>						001 OT		Estimate 4,400.0 P				EPA D008	
b.												STATE	
c.												EPA	
												STATE	
d.												EPA	
												STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above							
a. <b>CR1000-LEAD CONTAMINATED SOIL</b>						a. <input checked="" type="checkbox"/> T c. <input type="checkbox"/>							
b.						b. <input type="checkbox"/> d. <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 52478-5 81533153</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>GAIL F. MILLER</b>						Signature <i>Gail F. Miller</i>				Mo. Day Ye <b>09/1/00</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name <i>Scott Smith</i>						Signature <i>Scott Smith</i>				Mo. Day Ye <b>09/1/00</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Mo. Day Ye			
19. Discrepancy Indication Space <b>Actual Recd 69560P</b>													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name <b>Lynn Piechowski</b>						Signature <i>Lynn Piechowski</i>				Mo. Day Ye <b>09/1/00</b>			

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362



**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69302

50  
Cubic Yards 106300 LB 6 2  
16:32  
09/11/00

81533152 PA 6-065 N  
Receipt # Trailer License Plate # and State  
52478-6 CR1000 PA 242  
Service Req. # Profile # Permit #  
US Bulk Transport 317 317A  
Transporter Name Tractor/Trailer/Roll-off #  
US Army US Army  
Driver's Name Generator

19:23 34640 LB 6 1  
09/11/00

71460P

Scheduled Arrival: \_\_\_\_\_  
Date Time  
Actual Arrival: \_\_\_\_\_  
Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N  
☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation  
☐ Other (specify \_\_\_\_\_)  
☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Receiving: 100  
Initials Comments

Laboratory	Time In	Time Out	Initials	Comments
Stabilization	Time In	Time Out	Initials	Gross Wt. Comments
Landfill	Time In	Time Out	Initials	Comments
Other	Time In	Time Out	Initials	Comments
Truck Wash	Time In	Time Out	Signature (NO Initials)	Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas	Leaving truck unattended
Failure to obey instructions of facility personnel	Failure to display overweight flag
Failure to wear appropriate PPE	Improper tarping or detarpin
Unsafe driving practices	Overweight upon arrival
Other (specify)	

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9396063

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CWM

(Hazardous Waste Manifest 4/97)

Please type or print. Do not staple.

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NY's Department of Environmental Conservation (518) 457-7362

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. 2. Page 1 of 1 <b>00323</b>		Information within heavy bold line is not required by Federal Law.	
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>		4. Generator's Telephone Number <b>978-796-3784</b>		A. Generator's ID <b>NYB9396063</b>		B. Generator's ID <b>SAME Study Area 71</b>	
5. Transporter 1 (Company Name) <b>US Bulk Transport Inc</b>		6. US EPA ID Number <b>PA 0987342515</b>		C. State Transporter's ID <b>064063 NY</b>		D. Transporter's Telephone <b>(888) 651-8182</b>	
7. Transporter 2 (Company Name)		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Telephone ( )	
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>		10. US EPA ID Number <b>NY D049836679</b>		G. State Facility ID		H. Facility Telephone ( ) <b>716 754-8231</b>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) <b>a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>		12. Containers Number Type <b>00101</b>		13. Total Quantity <b>Estimate 64000 P</b>		14. Unit Wt/Vol <b>P</b>	
						I. Waste No. <b>88008</b>	
b.						EPA STATE	
c.						EPA STATE	
d.						EPA STATE	
J. Additional Descriptions for Materials listed Above <b>a. CR1000-LEAD CONTAMINATED SOIL</b>		K. Handling Codes for Wastes Listed Above <b>a. T</b>		c.		b.	
b.		d.		b.		d.	
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract ERG#171 SERVICE REQUEST# 52478-6 81533152</b>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR If I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <b>GAIL F. MILLER</b>		Signature <i>Gail F. Miller</i>		Mo. Day Year <b>09.11.00</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <b>Ernie Smith</b>		Signature <i>Ernie Smith</i>		Mo. Day Year <b>09.11.00</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space <b>Actual Rec'd 71660P</b>							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name <b>Kynn Piechowski</b>		Signature <i>Kynn Piechowski</i>		Mo. Day Year <b>09.11.00</b>			

COPY 1—Disposer State—Mailed by TSD Facility





**Transporter Log**  
**CWM Chemical Services, Inc.**  
**Model City, NY**

69305

60  
Cubic Yards  
17:11 102420 LB 6 2  
09/11/00

81533155  
Receipt #  
52428-2  
Service Req. #  
CR1000  
Profile #  
PA-747  
Permit #

US Army Fuel Div  
Transporter Name  
US Army Fuel Div  
Driver's Name  
367-369A  
Tractor/Trailer/Roll-off #  
US Army Fuel Div  
Generator

34480 LB 6 1  
20:26  
09/11/00  
67940P

Scheduled Arrival: \_\_\_\_\_  
Date Time

Actual Arrival: \_\_\_\_\_  
Date Time In Time Out

Arrived during Blackout? Y / N      Notified DEC? Y / N

- ☐ Leaker    ☐ Permit Violation    ☐ Placarding/Veh. I.D. Violation  
☐ Other (specify \_\_\_\_\_)

Receiving: <u>[Signature]</u>	_____
Initials	Comments

- ☐ Bulk to Landfill    ☐ No wet line    ☐ Flatbed    ☐ Stabilization    ☐ Drums    ☐ Tanker    ☐ Transformers

Laboratory  
Time In Time Out Initials Comments

Stabilization  
Time In Time Out Initials Gross Wt. Comments

Landfill  
Time In Time Out Initials Comments

Other  
Time In Time Out Initials Comments

Truck Wash  
Time In Time Out Signature (NO Initials) Comments

**Facility Personnel (please initial)**

- |  |  |
|--|--|
| _____ Smoking or eating in prohibited areas              | _____ Leaving truck unattended           |
| _____ Failure to obey instructions of facility personnel | _____ Failure to display overweight flag |
| _____ Failure to wear appropriate PPE                    | _____ Improper tarping or detarplin      |
| _____ Unsafe driving practices                           | _____ Overweight upon arrival            |
| _____ Other (specify _____)                              |  |

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9396072

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS

## HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212



CH

(Hazardous Waste Manifest 4)

Please type or print. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 721 0025154</b>		Manifest Doc. No. <b>100324</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9396072</b>					
4. Generator's Telephone <b>978-796-3784</b>						B. Generator's ID <b>SAME Study Area 71</b>					
5. Transporter 1 (Company Name) <b>U.S. Bulk Transport Inc</b>			6. US EPA ID Number <b>PAD987347515</b>			C. State Transporter's ID <b>69135NN</b>					
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone <b>800-651-8231</b>					
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>						E. State Transporter's ID					
10. US EPA ID Number <b>NYD049836679</b>						F. Transporter's Telephone ( )					
						G. State Facility ID					
						H. Facility Telephone ( ) <b>716 754-8231</b>					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>						001 DT		Estimate 440.00 P		I. Waste No. EPA <b>D008</b> STATE	
b.										EPA STATE	
c.										EPA STATE	
d.										EPA STATE	
J. Additional Descriptions for Materials listed Above a. <b>CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above a. <input checked="" type="checkbox"/> T c. <input type="checkbox"/>					
b.						b. <input type="checkbox"/> d. <input type="checkbox"/>					
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 52478-7 81533155</b>											
16. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name <b>GAIL F. MILLER</b>						Signature <i>Gail F. Miller</i>			Mo. Day Year <b>09.11.01</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name <b>DANA K Jensen</b>						Signature <i>Dana K Jensen</i>			Mo. Day Year <b>09.11.01</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Mo. Day Year		
19. Discrepancy Indication Space <b>Actual Rec'd 67940P</b>											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name <b>Kyrra Piechowski</b>						Signature <i>Kyrra Piechowski</i>			Mo. Day Year <b>09.11.01</b>		

COPY 1—Disposer State—Mailed by TSD Facility

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

GENERATOR

TRANSPORTER

FACILITY



**Transporter Log**  
**CWM Chemical Services, Inc.**  
**Model City, NY**

69392

50  
Cubic Yards  
16:15 101620 LB 6 2  
09/12/00

81533242 99464-F-NY  
Receipt # Trailer License Plate # and State  
565460-5 CP1001 9A545  
Service Reg. # Profile # Permit #  
BFC 1857 - F0202  
Transporter Name Tractor/Trailer/Roll-off #  
Randy Ward FORT DEVEN  
Driver's Name Generator

19:43 31480 LB 6 1  
09/12/00 70140P

Scheduled Arrival: \_\_\_\_\_  
Actual Arrival: \_\_\_\_\_  
Date Time Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

- ☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation  
☐ Other (specify) \_\_\_\_\_  
☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Receiving: <u>AB</u>	_____
Initials	Comments

Laboratory  
Time In Time Out Initials Comments

Stabilization  
Time In Time Out Initials Gross Wt. Comments

Landfill  
Time In Time Out Initials Comments

Other  
Time In Time Out Initials Comments

Truck Wash  
Time In Time Out Signature (NO Initials) Comments

**Facility Personnel (please initial)**

- |  |  |
|--|--|
| _____ Smoking or eating in prohibited areas              | _____ Leaving truck unattended           |
| _____ Failure to obey instructions of facility personnel | _____ Failure to display overweight flag |
| _____ Failure to wear appropriate PPE                    | _____ Improper tarping or detarpin       |
| _____ Unsafe driving practices                           | _____ Overweight upon arrival            |
| _____ Other (specify) _____                              |  |

Security Guard Initials: \_\_\_\_\_  
(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments



NYB9208188

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA7210025154</b>		Manifest Doc. No. <b>02332</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.	
		3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>		ATTN: JIM CHAMBERS		A. <b>NYB9208188</b>		B. Generator's ID <b>SAME Study Area 71</b>	
4. Generator's Telephone Number <b>978-796-3784</b>		5. Transporter 1 (Company Name) <b>Buttano Fuel Corp</b>		6. US EPA ID Number <b>NY R000045724</b>		C. State Transporter's ID <b>9946A-P-</b>		D. Transporter's Telephone <b>800-678-1111</b>	
7. Transporter 2 (Company Name)		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Telephone ( )		G. State Facility ID	
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>		10. US EPA ID Number <b>NY D049836679</b>		H. Facility Telephone ( ) <b>716 754-8231</b>					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) <b>a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>				12. Containers Number Type <b>0010T</b>		13. Total Quantity <b>Estimate 4,400.0 P</b>		14. Unit Wt/Vol <b>P</b>	
				I. Waste No. <b>0008</b>		STATE		EPA	
b.								EPA	
c.								EPA	
d.								EPA	
J. Additional Descriptions for Materials listed Above <b>CP1001- LEAD SOIL</b>				K. Handling Codes for Wastes Listed Above					
a				b		c		d	
b				c		d		e	
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 565460-5 81533242</b>									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economical practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <b>GAIL F. MILLER</b>				Signature <i>Gail F. Miller</i>				Mo. Day Yr <b>09.12.0</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>RANDALL WARD</b>				Signature <i>Randall Ward</i>	
								Mo. Day Yr <b>09.12.0</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature	
								Mo. Day Yr	
19. Discrepancy Indication Space <b>Actual Rec'd 70140P</b>									
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name <b>Lynn Piechowski</b>				Signature <i>Lynn Piechowski</i>				Mo. Day Yr <b>09.12.0</b>	

COPY 1—Disposer State—Mailed by TSD Facility.

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

GENERATOR

TRANSPORTER

FACILITY



**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69383

50  
Cubic Yards

89533232  
Receipt #  
4789  
Service Req. #  
BFC  
Transporter Name  
A1 FALTSKO  
Driver's Name  
22868 H NY  
Trailer License Plate # and State  
9A545  
Permit #  
1887 FEB 14  
Tractor/Trailer/Roll-off #  
US Army  
Generator

13:47 85760 LB 6 2  
09/12/00

19:02 33560 LB 6 1  
09/12/00 52200P

Scheduled Arrival:

Actual Arrival: Date Time  
1337  
Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☒ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Receiving:

Initials

Comments

Laboratory

Time In Time Out Initials Comments

Stabilization

Time In Time Out Initials Gross Wt. Comments

Landfill

Time In Time Out Initials Comments

Other

Time In Time Out Initials Comments

Truck Wash

Time In Time Out Signature (NO Initials) Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarplin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9395955

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



## HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 4)

Please type or print. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>00327</b>		2. Page 1 of <b>1</b>		Information within heavy bold line is not required by Federal Law.							
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9395955</b>									
4. Generator's Telephone Number <b>978-796-3784</b>						B. Generator's ID <b>SAME Study Area 71</b>									
5. Transporter 1 (Company Name) <b>BUFFALO FUEL CORP</b>			6. US EPA ID Number <b>NYR000045724</b>			C. State Transporter's ID <b>228684N</b>									
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone <b>800 677 8800</b>									
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>						10. US EPA ID Number <b>NYD049836679</b>									
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) <b>a. RQ, HAZARDOUS WASTE, SOLID, N.O.S, 9, NA3077, III, (LEAD)</b>						12. Containers Number Type <b>001 DT</b>		13. Total Quantity <b>Estimate 4,400.0</b>		14. Unit Wt/Vol <b>P</b>					
b. c. d.						I. Waste No. <b>19008</b>		STATE		EPA					
						STATE		EPA		STATE					
						EPA		STATE		EPA					
						STATE		EPA		STATE					
J. Additional Descriptions for Materials listed Above <b>CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above									
a						a		c		b					
b						b		d		d					
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 52478-9</b>										<b>815 33232</b>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.										Printed/Typed Name <b>GAIL F. MILLER</b>		Signature <i>Gail F. Miller</i>		Mo. Day Year <b>09.11.01</b>	
17. Transporter 1 Acknowledgment and Receipt of Materials										Printed/Typed Name <b>MARK FALTSKO</b>		Signature <i>Mark Faltsko</i>		Mo. Day Year <b>09.11.01</b>	
18. Transporter 2 Acknowledgment and Receipt of Materials										Printed/Typed Name		Signature		Mo. Day Year	
19. Discrepancy Indication Space <b>Actual rec'd. 52200P</b>										<b>Dem I Doog</b>					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										Printed/Typed Name <b>Lynn Piechowski</b>		Signature <i>Lynn Piechowski</i>		Mo. Day Year <b>09.12.01</b>	

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362





**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69391

50  
Cubic Yards

90980 LB 6 2

16:12

09/12/00

815-33241

64061 N. N.Y.

Receipt # 565460-2 Trailer License Plate # and State CR 1000

Service Req. # 6821-1-146 Permit # 94545

Transporter Name Buffalo Fuel Corp Tractor/Trailer/Roll-off #

Driver's Name W. J. Army Port Devs Generator

32500 LB 6 1

19:40

09/12/00

58380P

Scheduled Arrival:

Date

Time

Actual Arrival:

Date

Time In

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

Receiving:

Initials

Comments

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In

Time Out

Initials

Comments

Stabilization

Time In

Time Out

Initials

Gross Wt.

Comments

Landfill

Time In

Time Out

Initials

Comments

Other

Time In

Time Out

Initials

Comments

Truck Wash

Time In

Time Out

Signature (NO Initials)

Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9395982

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CW

Please type or print. Do not staple.

(Hazardous Waste Manifest 4/)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>00328</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9395982</b>							
4. Generator's Telephone <b>978-796-3784</b>						B. Generator's ID <b>SAME</b>							
5. Transporter 1 (Company Name) <b>Bullbuck Puel Corp</b>			6. US EPA ID Number <b>NY R0000045724</b>			C. State Transporter's ID <b>640611 NY</b>							
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone <b>(800) 677-0003</b>							
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>						E. State Transporter's ID							
10. US EPA ID Number <b>NY D049836679</b>						F. Transporter's Telephone ( )							
						G. State Facility ID							
						H. Facility Telephone ( ) <b>716 754-8231</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>						001 DT		Estimate 4,400 P		P		EPA 0008	
b.												STATE	
c.												EPA	
d.												STATE	
J. Additional Descriptions for Materials listed Above <b>CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above							
a						T		c					
b								d					
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract FRG#171 SERVICE REQUEST# 565460-2</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>GAIL F. MILLER</b>						Signature <i>Gail F Miller</i>				Mo. Day Year <b>09.12.01</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name <b>Norm Perkins</b>						Signature <i>Norm Perkins</i>				Mo. Day Year <b>09.13.01</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Mo. Day Year			
19. Discrepancy Indication Space <b>Actual Rec'd 58380P</b>													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name <b>Kynn Piechowski</b>						Signature <i>Kynn Piechowski</i>				Mo. Day Year <b>09.12.01</b>			

COPY 1-Disposer State-Mailed by TSD Facility

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362



**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69388

C2  
Cubic Yards

97680 LB G 2

15:59

09/12/00

815332-38

18142 H NY

Receipt # 565460-1

Trailer License Plate # and State

~~651000~~

CR1000

9A5-15

Service Req. #

Profile #

Permit #

RFC

6891-6830-A

Transporter Name

Tractor/Trailer/Roll-off #

Driver's Name

US Army  
Generator

19:05 33820 LB G 1

09/12/00

63860 P

Scheduled Arrival:

Date

Time

Actual Arrival:

Date

Time In

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

Receiving:

Initials

Comments

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In

Time Out

Initials

Comments

Stabilization

Time In

Time Out

Initials

Gross Wt.

Comments

Landfill

Time In

Time Out

Initials

Comments

Other

Time In

Time Out

Initials

Comments

Truck Wash

Time In

Time Out

Signature (NO Initials)

Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments



NYB9395991

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest 4)

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>0.0329</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9395991</b>					
						B. Generator's ID <b>Study Area 71</b>					
4. Generator's Telephone <b>978-796-3784</b>						C. State Transporter's ID <b>18143HM</b>					
5. Transporter 1 (Company Name) <b>Buffalo Fuel Corp</b>				6. US EPA ID Number <b>NYR000045724</b>		D. Transporter's Telephone <b>80067780</b>					
7. Transporter 2 (Company Name)				8. US EPA ID Number		E. State Transporter's ID					
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>						F. Transporter's Telephone ( )					
						G. State Facility ID					
10. US EPA ID Number <b>NYD049836679</b>						H. Facility Telephone ( ) <b>716 754-8231</b>					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) <b>a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>						12. Containers Number Type <b>001 DT</b>		13. Total Quantity <b>Estimate 4,400.0</b>		14. Unit Wt/Vol <b>P</b>	
						I. Waste No. <b>EPA D008 STATE</b>					
b.						EPA					
						STATE					
c.						EPA					
						STATE					
d.						EPA					
						STATE					
J. Additional Descriptions for Materials listed Above <b>a. CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above <b>a. T c.</b>					
b.						b. d.					
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 565460-1 81533238</b>											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name <b>GAIL F. MILLER</b>					Signature <i>Gail F Miller</i>			Mo. Day Year <b>09.12.01</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name <b>KEVIN M. HENRY</b>					Signature <i>Kevin M Henry</i>			Mo. Day Year <b>09.12.01</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name					Signature			Mo. Day Year			
19. Discrepancy Indication Space <b>Actual Rec'd 63860P</b>											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name <b>Lynn Piechowski</b>					Signature <i>Lynn Piechowski</i>			Mo. Day Year <b>09.12.01</b>			

**Transporter Log****CWM Chemical Services, Inc.****Model City, NY****69389**

Cubic Yards

16:01 94720 LB 6 2  
09/12/00

81533239

207177A

Receipt #

Trailer License Plate # and State

565460-3

CR1000

9A545

Service Req. #

Profile #

Permit #

BFC

6846 6840A

Transporter Name

Tractor/Trailer/Roll-off #

Driver's Name

Generator

Ed KUNATH

US ARMY FORT DEVENS

31900 LB 6 1

19:17

09/12/00

62820P

Scheduled Arrival:

Date

Time

Actual Arrival:

Date

Time In

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation☐ Other (specify)☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Receiving:

Initials

Comments

Laboratory

Time In

Time Out

Initials

Comments

Stabilization

Time In

Time Out

Initials

Gross Wt.

Comments

Landfill

Time In

Time Out

Initials

Comments

Other

Time In

Time Out

Initials

Comments

Truck Wash

Time In

Time Out

Signature (NO Initials)

Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9396009

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CW

(Hazardous Waste Manifest 4/79)

Please type or print. Do not staple.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. MA 7210025154		Manifest Doc. No. 00330		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>						A. <b>NYB9396009</b>							
4. Generator's Telephone 978-796-3784						B. Generator's ID <b>SAME</b>							
5. Transporter 1 (Company Name) <b>BUFFALO FUEL CORP</b>				6. US EPA ID Number NYR0000045729		C. State Transporter's ID 207122AM.Y							
7. Transporter 2 (Company Name)				8. US EPA ID Number		D. Transporter's Telephone 800-671-8000							
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>						10. US EPA ID Number NYD049836679		E. State Transporter's ID					
						F. Transporter's Telephone ( )		G. State Facility ID					
						H. Facility Telephone ( ) 716 754-8231							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number   Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>						001 DT		Estimate 44,000 P				5008 STATE	
b.												EPA STATE	
c.												EPA STATE	
d.												EPA STATE	
J. Additional Descriptions for Materials listed Above a. <b>CR1000-LEAD CONTAMINATED SOIL</b>						K. Handling Codes for Wastes Listed Above a. <input checked="" type="checkbox"/> T c. <input type="checkbox"/>							
b.						b. <input type="checkbox"/> d. <input type="checkbox"/>							
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 565460-3</b>													
16. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>GAIL F. MILLER</b>						Signature <i>Gail F. Miller</i>				Mo. Day Year <b>09.12.00</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name <b>EDWARD C. KUNATH</b>						Signature <i>Edward C. Kunath</i>				Mo. Day Year <b>08.12.00</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Mo. Day Year			
19. Discrepancy Indication Space <b>Actual Recd 62820P</b>													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name <b>Lynn Piechowski</b>						Signature <i>Lynn Piechowski</i>				Mo. Day Year <b>09.12.00</b>			

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 1-Disposer State-Mailed by TSD Facility





**Transporter Log**  
**CWM Chemical Services, Inc.**  
Model City, NY

69390

60  
Cubic Yards

87260 LB G 2

16:04

09/12/00

81533240

242768A NY

Receipt # 565460-4 CR1000 Trailer License Plate # and State 9A545

Service Reg. # DFC Profile #

Permit # 68141238

Transporter Name C. I. Mendez

Tractor/Trailer/Roll-off # LIS Army Fort Dev

Driver's Name

Generator

19:24

33440 LB G 1

09/12/00

53820P

Scheduled Arrival:

Actual Arrival: Date Time  
Date Time In Time Out

Arrived during Blackout? Y / N Notified DEC? Y / N

☐ Leaker ☐ Permit Violation ☐ Placarding/Veh. I.D. Violation

☐ Other (specify)

Receiving: AP

Initials

Comments

☐ Bulk to Landfill ☐ No wet line ☐ Flatbed ☐ Stabilization ☐ Drums ☐ Tanker ☐ Transformers

Laboratory

Time In Time Out Initials Comments

Stabilization

Time In Time Out Initials Gross Wt. Comments

Landfill

Time In Time Out Initials Comments

Other

Time In Time Out Initials Comments

Truck Wash

Time In Time Out Signature (NO Initials) Comments

**Facility Personnel** (please initial)

Smoking or eating in prohibited areas

Leaving truck unattended

Failure to obey instructions of facility personnel

Failure to display overweight flag

Failure to wear appropriate PPE

Improper tarping or detarpin

Unsafe driving practices

Overweight upon arrival

Other (specify)

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

NYB9396018

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS  
**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212



CW

Please type or print. Do not staple.

(Hazardous Waste Manifest 4/7)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA No. <b>MA 7210025154</b>		Manifest Doc. No. <b>10.0331</b>		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.	
3. Generator's Name and Mailing Address <b>US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432</b>		4. Generator's Telephone Number <b>978-796-3784</b>		A. <b>NYB9396018</b>		B. Generator's ID <b>SAME Study Area 71</b>			
5. Transporter 1 (Company Name) <b>Buffalo Fuel Corp</b>		6. US EPA ID Number <b>NY 2000045724</b>		C. State Transporter's ID <b>242768A-NY</b>		D. Transporter's Telephone <b>800-477-2068</b>			
7. Transporter 2 (Company Name)		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Telephone ( )			
9. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>		10. US EPA ID Number <b>NY D049836679</b>		G. State Facility ID		H. Facility Telephone ( ) <b>716 754-8231</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	
a. <b>RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)</b>				<b>001</b>	<b>DT</b>	<b>Estimate 4,400.0</b>	<b>P</b>	<b>EPA D008 STATE</b>	
b.								EPA STATE	
c.								EPA STATE	
d.								EPA STATE	
J. Additional Descriptions for Materials listed Above a. <b>CR1000-LEAD CONTAMINATED SOIL</b>				K. Handling Codes for Wastes Listed Above a. <input checked="" type="checkbox"/> <b>T</b> c. <input type="checkbox"/>					
b.				b. <input type="checkbox"/> d. <input type="checkbox"/>					
15. Special Handling Instructions and Additional Information <b>CHEMTREC Emergency Response Number (800)424-9300 WMI Contract ERG#171 SERVICE REQUEST# 565460-4 81533240</b>									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name <b>GAIL F. MILLER</b>				Signature <i>Gail F. Miller</i>				Mo. Day Year <b>09.12.09</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Joseph I. Maguire</b>				Signature <i>Joseph I. Maguire</i>				Mo. Day Year <b>09.12.09</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Mo. Day Year	
19. Discrepancy Indication Space <b>Actual Recd 53820P</b>									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>Lynn Piechowski</b>									
Signature <i>Lynn Piechowski</i>				Mo. Day Year <b>09.12.09</b>					

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

		Charter Environmental, Inc.					
NAME:	Devens ( Roy F Weston )			Job :	3935		
FACILITY:	WMNH( Turnkey )				3944		
DATE:	9/6/00 and 9/7/00						
Date	Loads	Truck	Reg #	Gross	Tare	Tons	Net
9/6/00	1	Martin	911098	94020	38320	55700	27.85
9/6/00	2	Powers	912387	98920	37760	61160	30.58
9/6/00	3	Admat	AR2487	96760	37140	59620	29.81
9/6/00	4	Conner # 1	AR1702	91120	36940	54180	27.09
9/6/00	5	Conner	520787	95420	38280	57140	28.57
9/6/00	6	J & J	AR3338	103240	38020	65220	32.61
9/6/00	7	Northern	43756	98440	36020	62420	31.21
9/6/00	8	East Coast	4299AP	92360	38200	54160	27.08
9/6/00	9	East Coast	AR3650	89020	36960	52060	26.03
9/6/00	10	East Coast	4300AP	93100	36220	56880	28.44
9/6/00	11	Admat	AR1656	105100	35760	69340	34.67
9/6/00	12	Wisdom	Wisdom	105600	36600	69000	34.5
9/6/00	13	Martin	911098	115300	38100	77200	38.6
9/6/00	14	Admat	AR2487	109600	37140	72460	36.23
9/6/00	15	Powers	912387	108740	37500	71240	35.62
9/6/00	16	Conner	Conner	112000	37500	74500	37.25
9/6/00	17	Conner	AR1702	102300	36900	65400	32.7
9/6/00	18	J & J	AR3338	107660	37800	69860	34.93
9/6/00	19	Northern	43756	101680	35500	66180	33.09
9/6/00	20	East Coast	AR3650	101980	36900	65080	32.54
9/6/00	21	East Coast	AR4300	103440	36220	67220	33.61
9/6/00	22	East Coast	4299AP	94580	38200	56380	28.19
9/6/00	23	Admat	AR1656	112920	35700	77220	38.61
9/6/00	24	Wisdom	Wisdom	110920	35540	75380	37.69
Total				2444220	889220	1555000	777.50
9/7/00	1	Northern	AR43756	107360	35500	71860	35.93
9/7/00	2	Northern	33277	109700	35500	74200	37.1
9/7/00	3	East Coast	4299AP	97940	37720	60220	30.11
9/7/00	4	East Coast	4300AP	104580	35980	68600	34.3
9/7/00	5	East Coast	AR3650	102480	36780	65700	32.85
9/7/00	6	Wisdom	Wisdom	121520	35960	85560	42.78
9/7/00	7	Northern	33277	103800	35700	68100	34.05
9/7/00	8	East Coast	4299AP	97160	37720	59440	29.72
9/7/00	9	East Coast	4300AP	106240	36240	70000	35.00
9/7/00	10	Northern	43756	109760	35580	74180	37.09
9/7/00	11	East Coast	AR3650	103560	37040	66520	33.26
Total				1164100	399720	764380	382.19
Grand				3608320	1288940	2319380	1159.69



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 9400  
Signature of transporter: [Signature] / Sams  
Receiving facility: 865659  
Date received: Lyn Burke  
Time received: 9/6/00  
Date of shipment: 7:30 am  
Time of shipment: 9/6/00  
Truck/Tractor registration: 05-20791 ME  
Trailer registration: 1911098 me  
Load size (cubic yards/tons): 27.85

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons): 27.85

Total carried forward (cubic yards/tons): 0

Total carried forward and this page (cubic yards/tons): 27.85

Page of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

Note:  
Make additional  
copies of this  
page as neces-  
sary.

Two  
3935

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K

## Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page

of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



Conner + Sons #2

# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

Note:  
Make additional  
copies of this  
page as neces-  
sary.

100  
3935

LOAD #:

Signature of transporter  
*Ed Gatto*

Receiving facility  
*Turnkey Rochester*

Date received  
*9/6/00*

Time received  
*9-6-00*

Date of shipment  
*8/30 AM*

Time of shipment  
*11:4 66878*

Truck/Tractor registration  
*119 43756*

Trailer registration  
*3121*

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)  
*31.21*

Total carried forward (cubic yards/tons)  
*176.51*

Total carried forward and this page (cubic yards/tons)  
*207.72*

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page

of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

Note:  
Make additional  
copies of this  
page as neces-  
sary.

SWO  
3935

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

**J** Load Information EAST COAST # 35

LOAD #:

Signature of transporter *Jim Boek*

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

**K** Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

28.44

260.83

289.27

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information ADMAT #5

Note:  
Make additional  
copies of this  
page as neces-  
sary.

JWO  
3935

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials *not* subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

46

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

Note:  
Make additional  
copies of this  
page as neces-  
sary.

LOAD #: *1*  
Signature of transporter *[Signature] / Sams*  
Receiving facility *865-659*  
*Lyn Burke*  
Date received *9/6/00*  
Time received *7:30 am*  
Date of shipment *X 9/6/00*  
Time of shipment  
Truck/Tractor registration *05-20791 ME*  
*X 1911098 me*  
Trailer registration *27,85*  
Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: *2*  
Signature of transporter *Sams / Jeff Martin*  
Receiving facility *Lyn Burke*  
Date received *865802*  
Time received *9/6/00*  
Date of shipment *11:30 AM*  
Time of shipment  
Truck/Tractor registration *911098 me*  
*05-20791 me*  
Trailer registration *3800*  
Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

*38.60*  
Total volume this page (cubic yards/tons)  
*358.44*  
Total carried forward (cubic yards/tons)  
*397.04*  
Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K

## Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Page

of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 1  
Signature of transporter: *[Signature]*  
Receiving facility: *865603*  
Date received: *9-6-00*  
Time received: *3058*  
Date of shipment: *9-6-2000*  
Time of shipment: *7:45*  
Truck/Tractor registration: *11E912387*  
Trailer registration: *19E0500780*  
Load size (cubic yards/tons):

LOAD #: 2  
Signature of transporter: *[Signature]*  
Receiving facility: *865822*  
Date received: *35.62 T*  
Time received:  
Date of shipment: *9-6-2000*  
Time of shipment: *1:00*  
Truck/Tractor registration: *11E912387*  
Trailer registration: *19E0500780*  
Load size (cubic yards/tons):

LOAD #:  
Signature of transporter:  
Receiving facility:  
Date received:  
Time received:  
Date of shipment:  
Time of shipment:  
Truck/Tractor registration:  
Trailer registration:  
Load size (cubic yards/tons):

LOAD #:  
Signature of transporter:  
Receiving facility:  
Date received:  
Time received:  
Date of shipment:  
Time of shipment:  
Truck/Tractor registration:  
Trailer registration:  
Load size (cubic yards/tons):

## K Log Sheet Volume Information

*35.62*  
Total volume this page (cubic yards/tons)  
*433.27*  
Total carried forward (cubic yards/tons)  
*468.89*  
Total carried forward and this page (cubic yards/tons)

Page of



Conner + Soos #2

# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: 2

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K

## Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Page of

37.25

468.89



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K

## Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 1  
Signature of transporter: *Jeffrey S. Jones*  
Receiving facility: *Lynbrook*  
Date received: *8/6/00*  
Time received: *32.61*  
Date of shipment: *9/6/00*  
Time of shipment: *8:15 AM*  
Truck/Tractor registration: *AR 3338 N.H.*  
Trailer registration: *0520720 ME*  
Load size (cubic yards/tons): *25405*

LOAD #:  
Signature of transporter:  
Receiving facility:  
Date received:  
Time received:  
Date of shipment:  
Time of shipment:  
Truck/Tractor registration:  
Trailer registration:  
Load size (cubic yards/tons):

LOAD #:  
Signature of transporter: *Jeffrey S. Jones*  
Receiving facility:  
Date received: *9/6/00*  
Time received: *9/6/00*  
Date of shipment:  
Time of shipment:  
Truck/Tractor registration: *AR 3338 N.H.*  
Trailer registration: *0520720 ME*  
Load size (cubic yards/tons): *25405*

LOAD #:  
Signature of transporter:  
Receiving facility:  
Date received:  
Time received:  
Date of shipment:  
Time of shipment:  
Truck/Tractor registration:  
Trailer registration:  
Load size (cubic yards/tons):

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons): *34.93*  
Total carried forward (cubic yards/tons): *538.84*  
Total carried forward and this page (cubic yards/tons): *573.77*

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

Note: Make additional copies of this page as necessary.

JUG  
5935

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total material manifest and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials ~~not~~ subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information EAST COAST # 35

LOAD #: 1

Signature of transporter *Jim Boub*

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: 2

Signature of transporter *Jim Boub*

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page

of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: 2

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under Section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information ADMAT #5

Note:  
Make additional  
copies of this  
page as neces-  
sary.

JWO  
3935

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: 2

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information

46

note: make additional copies of this page as necessary.

JW0  
3935

LOAD #:  
Signature of transporter  
Receiving facility  
Date received  
Time received  
Date of shipment  
Time of shipment  
Truck/Tractor registration  
Trailer registration  
Load size (cubic yards/tons)

LOAD #:  
Signature of transporter  
Receiving facility  
Date received  
Time received  
Date of shipment  
Time of shipment  
Truck/Tractor registration  
Trailer registration  
Load size (cubic yards/tons)

LOAD #:  
Signature of transporter  
Receiving facility  
Date received  
Time received  
Date of shipment  
Time of shipment  
Truck/Tractor registration  
Trailer registration  
Load size (cubic yards/tons)

LOAD #:  
Signature of transporter  
Receiving facility  
Date received  
Time received  
Date of shipment  
Time of shipment  
Truck/Tractor registration  
Trailer registration  
Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)  
Total carried forward (cubic yards/tons)  
Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

*Ed Catto*  
Signature of transporter  
*Turkey Rochester NH*  
Receiving facility  
*9-7-00*  
Date received  
*8:30 AM*  
Time received  
*9-7-00*  
Date of shipment  
*6:45 AM*  
Time of shipment  
*MA 43556*  
Truck/Tractor registration  
*MA 66828*  
Trailer registration  
*Lyn Bul*  
Load size (cubic yards/tons) *9/7/00*

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K

## Log Sheet Volume Information

*37.09*  
Total volume this page (cubic yards/tons)  
*311.84*  
Total carried forward (cubic yards/tons)  
*348.93*  
Total carried forward and this page (cubic yards/tons)

Page of





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

*Ed Latta*  
Signature of transporter  
*Turnkey Rochester NH*  
Receiving facility  
*9-7-00*  
Date received  
*830 AM*  
Time received  
*9-7-00*  
Date of shipment  
*6-45 AM*  
Time of shipment  
*MA 43556*  
Truck/Tractor registration  
*MG 66878*  
Trailer registration  
*LynBul*  
Load size (cubic yards/tons) *9/7/00*

LOAD #:

*Ed Latta*  
Signature of transporter  
*Turnkey Rochester NH*  
Receiving facility  
*9-7-00*  
Date received  
*830 AM*  
Time received  
*9-7-00*  
Date of shipment  
*6-45 AM*  
Time of shipment  
*MA 43556*  
Truck/Tractor registration  
*MG 66878*  
Trailer registration  
*LynBul*  
Load size (cubic yards/tons) *9/7/00*

LOAD #:

*Ed Latta*  
Signature of transporter  
*Turnkey Rochester NH*  
Receiving facility  
*9-7-00*  
Date received  
*1:15 PM*  
Time received  
*9-7-00*  
Date of shipment  
*1130 AM*  
Time of shipment  
*MA 43756*  
Truck/Tractor registration  
*MG 66878*  
Trailer registration  
*LynBul*  
Load size (cubic yards/tons) *8/6/00*

LOAD #:

*Ed Latta*  
Signature of transporter  
*Turnkey Rochester NH*  
Receiving facility  
*9-7-00*  
Date received  
*1:15 PM*  
Time received  
*9-7-00*  
Date of shipment  
*1130 AM*  
Time of shipment  
*MA 43756*  
Truck/Tractor registration  
*MG 66878*  
Trailer registration  
*LynBul*  
Load size (cubic yards/tons) *8/6/00*

## K Log Sheet Volume Information

*35.93*  
Total volume this page (cubic yards/tons)  
*0*  
Total carried forward (cubic yards/tons)  
*35.93*  
Total carried forward and this page (cubic yards/tons)

Page of

DEP

Northern Essex Ltd T-14

# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:  
Signature of transporter *Tony Allan*

Receiving facility  
Date received *9-7-00*  
Time received *9:00*  
Date of shipment  
Time of shipment *3:30 PM*  
Truck/Tractor registration *67274 MA*  
Trailer registration

Load size (cubic yards/tons)

LOAD #:  
Signature of transporter

Receiving facility  
Date received  
Time received  
Date of shipment  
Time of shipment  
Truck/Tractor registration  
Trailer registration

Load size (cubic yards/tons)

LOAD #:  
Signature of transporter *Tony Cole*

Receiving facility  
Date received *9-7-00*  
Time received *9:00*  
Date of shipment  
Time of shipment  
Truck/Tractor registration *33277 MA*  
Trailer registration *67274 MA*

Load size (cubic yards/tons)

LOAD #:  
Signature of transporter

Receiving facility  
Date received  
Time received  
Date of shipment  
Time of shipment  
Truck/Tractor registration  
Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons) *31.10*  
Total carried forward (cubic yards/tons) *35.23*  
Total carried forward and this page (cubic yards/tons) *73.03*

Page of

Note:  
Make additional  
copies of this  
page as neces-  
sary.

*SWO  
3935*





# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page

of

# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information EAST COAST #35

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: 2

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Note:  
Make additional  
copies of this  
page as neces-  
sary

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of

# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 46.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

*Kenneth AR*  
Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

*Kenneth AR*  
Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

32.85  
131.44  
170.29

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 31J CMR 40.0035 nor manifesting under 31J CMR 30.000

## J Load Information

Note:  
Make additional  
copies of this  
page as neces-  
sary.

JW  
3935

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

42.78

170.29

213.07

Page of



Northern Essex Ltd T-14

# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information

LOAD #:

Signature of transporter

Receiving facility

Date received 5 Sept 7, 2000 29.72

Time received 6:30 am

Date of shipment 9/7

Time of shipment 4:29 PM

Truck/Tractor registration 4292 AD NH

Trailer registration 6272 TE NH

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

29.72

Total carried forward (cubic yards/tons)

247.12

Total carried forward and this page (cubic yards/tons)

276.84

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

## J Load Information EAST COAST #35

LOAD #: 1

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page of



# Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000.

## J Load Information

Note:  
Make additional  
copies of this  
page as neces-  
sary.

SWP  
3935

LOAD #:

*[Signature]*  
Signature of transporter

Receiving facility

*[Signature]*

Date received

*[Signature]*

Time received

09:07:00

Date of shipment

6/15/11

Time of shipment

AR 3650

Truck/Tractor registration

7183712 N. 1.

Trailer registration

Load size (cubic yards/tons)

LOAD #:

*[Signature]*  
Signature of transporter

Receiving facility

*[Signature]*

Date received

*[Signature]*

Time received

*[Signature]*

Date of shipment

*[Signature]*

Time of shipment

*[Signature]*

Truck/Tractor registration

*[Signature]*

Trailer registration

Load size (cubic yards/tons)

LOAD #:

*[Signature]*  
Signature of transporter

Receiving facility

*[Signature]*

Date received

*[Signature]*

Time received

*[Signature]*

Date of shipment

*[Signature]*

Time of shipment

*[Signature]*

Truck/Tractor registration

*[Signature]*

Trailer registration

Load size (cubic yards/tons)

LOAD #:

*[Signature]*  
Signature of transporter

Receiving facility

*[Signature]*

Date received

*[Signature]*

Time received

*[Signature]*

Date of shipment

*[Signature]*

Time of shipment

*[Signature]*

Truck/Tractor registration

*[Signature]*

Trailer registration

Load size (cubic yards/tons)

## K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

33.26

Total carried forward (cubic yards/tons)

348.93

Total carried forward and this page (cubic yards/tons)

382.19

Page of

DUCT 5041

NEBS To Reorder: 1-800-225-8380 or www.nebs.com

## STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. **B 4145**

Carrier No. \_\_\_\_\_

**Roberts Corporation**  
(Name of Carrier)Date **9/11/00**

Designee <b>N.E.E.D.</b>	FROM: Shipper <b>CHARTER ENVIRONMENTAL, INC.</b>
Set <b>23 Green Hill Road</b>	Street <b>Corp of Engineers</b>
Destination <b>Johnstown, RI</b>	Origin <b>Devens, MA (Round House)</b>
Emergency Response Phone No. _____	Vehicle Number <b>103</b>

Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (subject to correction)	Rate	CHARGES
<b>1</b>		<b>Stumps</b>	<b>25</b>	<b>yards</b>	

Unpacking hazardous materials include the technical or chemical name for D.O.S. (not otherwise specified) or generic description of material with appropriate UN or NA number as defined in US DOT Emergency Communication Rulebook (HM 1202).  
 Emergency response phone number in case of incident or accident in box above.

TO: _____ SS: _____	<b>COB</b> Amt: \$ _____	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ _____ COLLECT <input type="checkbox"/> \$ _____
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby certified by the shipper to be not exceeding _____ per _____	This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Signature _____	TOTAL CHARGES: \$ _____ FREIGHT CHARGES: FREIGHT PREPAID <input type="checkbox"/> Check box if charges except when box is right is checked who to be collect <input type="checkbox"/>

RECEIVED, subject to the classification and lawfully filed tariffs in effect on the date of the issue of Bill of Lading, the property described above in apparent good order, except as noted (contents of contents of packages unknown), marked, consigned and destined as indicated above in said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of destination if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any part of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the Bill of Lading terms

and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTICE: Freight moving under this Bill of Lading is subject to the classifications and lawfully filed tariffs in effect on the date of this Bill of Lading. This notice supersedes and negates any claimed, alleged or asserted oral or written contract, promise, representation or understanding between the parties with respect to this freight, except to the extent of any written contract which establishes lawful contract carriage and is signed by authorized representatives of both parties to the contract.

SHIPPER <b>CHARTER ENVIRONMENTAL, INC.</b>	CARRIER <b>Roberts Corp</b>
PER <b>[Signature]</b>	PER <b>[Signature]</b>
DATE <b>9/11/00</b>	DATE <b>9/11/00</b>

HAZARDOUS MATERIALS MARK WITH 'X' TO DESIGNATE HAZARDOUS MATERIALS AS IN 111.10 NCCL IN 49CFR § 172.201



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865659

DATE: 09/06/2000  
TIME: 09:32-09:4

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 8

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 94020 LBS

TARE: 38320 LBS

NET: 55700 LBS = 27.85 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

010805

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865663

DATE: 09/06/2000  
TIME: 09:33-09:4

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 59

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 90920 LBS

TARE: 37760 LBS

NET: 53160 LBS = 24.58 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

010806

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865679

DATE: 09/06/2000  
TIME: 09:58-10:17

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 1

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 91120 LBS

TARE: 36940 LBS

NET: 54180 LBS = 27.09 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY:

0108056

ORDER NUMBER:

PRINT NAME:

SIGN: 



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865666

DATE: 09/06/2000  
TIME: 09:36-09:52

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: ADMA

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 96760 LBS

TARE: 37140 LBS

NET: 59620 LBS = 29.81 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE


OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY:

0108056

ORDER NUMBER:

PRINT NAME:

SIGN: 





WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865681

DATE: 09/06/2000

TIME: 10:00-10:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: GREY

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 103240 LBS

TARE: 38020 LBS

NET: 65220 LBS = 32.61 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

01080

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: Jeff



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865680

DATE: 09/06/2000

TIME: 09:59-10:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 2

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 95420 LBS

TARE: 38280 LBS

NET: 57140 LBS = 28.57 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: Rod





WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865698

DATE: 09/06/2000  
TIME: 10:27-10:46

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 98440 LBS

TARE: 36020 LBS

NET: 62420 LBS = 31.21 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865699

DATE: 09/06/2000  
TIME: 10:28-10:49

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 92360 LBS

TARE: 38200 LBS

NET: 54160 LBS = 27.08 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865701

DATE: 09/06/2000  
TIME: 10:29-10:5

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 93100 LBS

TARE: 36220 LBS

NET: 56880 LBS = 28.44 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

010805

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: 



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865700

DATE: 09/06/2000  
TIME: 10:29-10:5

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: EAST

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 89020 LBS

TARE: 36960 LBS

NET: 52060 LBS = 26.03 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: 



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865715

DATE: 09/06/2000  
TIME: 10:44-11:04

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 46

HAULER:

WEIGH  
MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 105600 LBS

TARE: 36600 LBS

NET: 69000 LBS = 34.50 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY:

ORDER NUMBER:

0108056

PRINT NAME:

SIGN: Dan



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865714

DATE: 09/06/2000  
TIME: 10:44-11:02

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: ADAM

HAULER:

WEIGH  
MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 105100 LBS

TARE: 35760 LBS

NET: 69340 LBS = 34.67 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY:

ORDER NUMBER:

0108056

PRINT NAME:

SIGN: Brad



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865802

DATE: 09/06/2000  
TIME: 13:45-14:01

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 8

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 115300 LBS

TARE: 38100 LBS

NET: 77200 LBS = 38.60 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_  
ORDER NUMBER: \_\_\_\_\_

010805

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865814

DATE: 09/06/2000  
TIME: 14:01-14:01

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: ADMA

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 109600 LBS

TARE: 37140 LBS

NET: 72460 LBS = 36.23 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_  
ORDER NUMBER: \_\_\_\_\_

0108056

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION

# 865832

90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

DATE: 09/06/2000  
TIME: 14:29-14:29

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 2

HAULER: WEIGH  
MASTER: KIM GROMYKO

WASTE: COVER SOIL ORIGIN: 02 MASSACHUSETTS

FILE: 523080 R R ROUNDHOUSE SOIL GEN: H229 USACOE DEVENS RSTA

GROSS: 112000 LBS

TARE: 75500 LBS

NET: 74500 LBS = 37.25 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of  
perjury that the information provided is true and correct to the best of my  
knowledge and belief.

COMPANY: \_\_\_\_\_

TRUCK NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_

0108056



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865832

DATE: 09/06/2000  
TIME: 14:12-14:12

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 59

HAULER: WEIGH  
MASTER: KIM GROMYKO

WASTE: COVER SOIL ORIGIN: 02 MASSACHUSETTS

FILE: 523080 R R ROUNDHOUSE SOIL GEN: H229 USACOE DEVENS RSTA

GROSS: 108740 LBS

TARE: 37500 LBS

NET: 71240 LBS = 35.62 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of  
perjury that the information provided is true and correct to the best of my  
knowledge and belief.

COMPANY: \_\_\_\_\_

TRUCK NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_

0108056





WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
603)330-2134

# 865833

DATE: 09/06/2000  
TIME: 14:30-14:31

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 1

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 102300 LBS

TARE: 36900 LBS

NET: 65400 LBS = 32.70 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
603)330-2134

# 865841

DATE: 09/06/2000  
TIME: 14:43-14:44

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: GREY

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 107660 LBS

TARE: 37800 LBS

NET: 69860 LBS = 34.93 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_





WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865847

DATE: 09/06/2000  
TIME: 14:57-14:57

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

FILE: 523000

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 101680 LBS

TARE: 35500 LBS

NET: 66180 LBS = 33.09 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of  
perjury that the information provided is true and correct to the best of my  
knowledge and belief.

COMPANY:

ORDER NUMBER:

PRINT NAME:

SIGN:

0108056



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865856

DATE: 09/06/2000  
TIME: 15:11-15:11

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: EAST

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

FILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 101980 LBS

TARE: 36900 LBS

NET: 65080 LBS = 32.54 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of  
perjury that the information provided is true and correct to the best of my  
knowledge and belief.

COMPANY:

ORDER NUMBER:

PRINT NAME:

SIGN:

0108056



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865858

DATE: 09/06/2000  
TIME: 15:13-15:13

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523060

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 103440 LBS

TARE: 36220 LBS

NET: 67220 LBS = 33.61 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE


OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: 



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865868

DATE: 09/06/2000  
TIME: 15:33-15:33

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 94580 LBS

TARE: 38200 LBS

NET: 56380 LBS = 28.19 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE


OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: 



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865880

DATE: 09/06/2000  
TIME: 15:52-15:53

STOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: ADAM

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

FILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 118920 LBS

TARE: 35700 LBS

NET: 77220 LBS = 38.61 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of  
perjury that the information provided is true and correct to the best of my  
knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: *Bar*



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 865881

DATE: 09/06/2000  
TIME: 15:54-15:55

STOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: WIS

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

FILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 110920 LBS

TARE: 35540 LBS

NET: 75380 LBS = 37.63 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of  
perjury that the information provided is true and correct to the best of my  
knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: *Dan*



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 866169

DATE: 09/07/2000  
TIME: 13:13-13:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 12

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 107360 LBS

TARE: 35500 LBS

NET: 71860 LBS = 35.93 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE


OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

010805

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: 



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 866147

DATE: 09/07/2000  
TIME: 12:50-12:51

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 14

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 109700 LBS

TARE: 35500 LBS

NET: 74200 LBS = 37.10 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

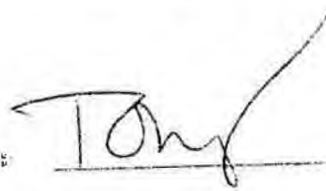
OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

010805

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: 



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 866148

DATE: 09/07/2000  
TIME: 12:52-12:52

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

FILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 97940 LBS

TARE: 37720 LBS

NET: 60220 LBS = 30.11 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: Craig



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603)330-2134

# 866125

DATE: 09/07/2000  
TIME: 12:12-12:36

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 104580 LBS

TARE: 35980 LBS

NET: 68600 LBS = 34.30 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: J





WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 866124

DATE: 09/07/200  
TIME: 12:11-12:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: EAST

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523000

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 102400 LBS

TARE: 36700 LBS

NET: 65700 LBS = 32.55 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

ORDER NUMBER: \_\_\_\_\_

01000

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 866096

DATE: 09/07/200  
TIME: 11:33-11

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 46

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523000

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 121520 LBS

TARE: 35960 LBS

NET: 85560 LBS = 42.78 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

ORDER NUMBER: \_\_\_\_\_

01000

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_

Dan





WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865979

DATE: 09/07/2000  
TIME: 08:21-08:51

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 528080

R R ROUNDHOUSE SOIL X

GEN: H229 USACOE DEVENS RSTA

GROSS: 103800 LBS

TARE: 35700 LBS

NET: 68100 LBS = 34.05 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_

0108056



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865980

DATE: 09/07/2000  
TIME: 08:22-08:59

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 528080

R R ROUNDHOUSE SOIL X

GEN: H229 USACOE DEVENS RSTA

GROSS: 97160 LBS

TARE: 37720 LBS

NET: 59440 LBS = 29.72 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_

0108056



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
STURKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865992

DATE: 09/07/200  
TIME: 08:30-09:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 12

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523000

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 109760 LBS

TARE: 35580 LBS

NET: 74180 LBS = 37.09 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

ORDER NUMBER: \_\_\_\_\_

01000

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
STURKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865966

DATE: 09/07/200  
TIME: 07:55-08

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523000

R R ROUNDHOUSE SOIL

GEN: H229 USACOE DEVENS RSTA

GROSS: 106240 LBS

TARE: 36240 LBS

NET: 70000 LBS = 35.00 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

ORDER NUMBER: \_\_\_\_\_

01000

PRINT NAME: \_\_\_\_\_

SIGN: \_\_\_\_\_



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC  
TURNKEY LANDFILL DIVISION  
90 ROCHESTER NECK ROAD, ROCHESTER, NH  
(603) 330-2134

# 865965

DATE: 09/07/2000  
TIME: 07:54-08:15

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: EAST

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL

GEN: H229 USACOF DEVENS RSTA

GROSS: 103560 LBS

TARE: 37040 LBS

NET: 66520 LBS = 33.26 TONS

TO THE BEST OF MY  
KNOWLEDGE THIS TRUCK  
CONTAINS NO HAZARDOUS  
OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: \_\_\_\_\_

0108056

ORDER NUMBER: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGN: *K*

---

**APPENDIX E**

**MADEP AND USEPA RESPONSE TO COMMENTS**

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**USEPA (Carol A. Keating – Remedial Project Manager)**  
**19 October 2000**

**General Comments:**

**Comment 1:**

Consistent with the *Action Memorandum* (Stone and Webster, 1999), composite confirmatory samples were collected to confirm the attainment of PRGs. However, it is generally not appropriate to composite confirmation samples. The point of confirmation samples in the case of an excavation is to ensure that contaminant concentrations are below the PRGs at all locations. Compositing samples may blend highly contaminated and non-contaminated soil together, possibly resulting in an overall concentration below the PRGs. This methodology allows potentially contaminated areas, in excess of the PRGs, to go undetected.

**Response:**

*Comment noted.*

**Comment 2:**

As explained in the Confirmation Soil Sampling section (Section 5.1.1.4) of the *Action Memorandum* (Stone and Webster, 1999), all preliminary results confirm the attainment of PRGs (2.7 mg/kg antimony, 28.5 mg/kg arsenic, and 210 mg/kg lead) the removal action will be considered complete. In the event that PRGs are not confirmed, excavation and confirmation sampling will continue until these goals are met, except below the water table.... Section 5.1.1.3 of the *Action Memorandum* states that the hot spot areas will be excavated to depths below the water table, to the extent practicable, to achieve the PRGs.

The Draft Removal Action Report indicates that the area was excavated vertically to the water table, and beyond in certain areas. However, as detailed in the Specific Comments listed below, excavation and confirmation did not continue in the lateral direction even though the analytical results showed that the soil concentrations were still in excess of the PRGs. The *Draft Removal Action Report* does not provide any acceptable justification for terminating the lateral extent of the excavation prior to the attainment of PRGs. Please explain

**Response:**

*It was understood that the Removal Action was an initial attempt to remove the contaminated soil in the area of the Railroad Roundhouse. The Action Memorandum specified excavation of 650 cubic yards of soil from the area. A total volume of approximately 2,400 cubic yards of contaminated soil was excavated from the site during the removal action. As stated in Sections 2.2 and 3.1.1 of the Action Memorandum "the Preliminary Risk Evaluation (PRE) methodology was designed to conservatively evaluate potential risks at the site using the limited data available. The PRE likely overestimated the potential for human and ecological risks". The Action Memorandum indicates that the PRGs were evaluated through comparison of the maximum detected concentrations of all analytes in soil 0-2 feet below ground surface to background screening concentrations (inorganics only). During the site activities, it became apparent that the extent of contamination would exceed the initial limits of excavation and would*



*not be completely excavated prior to the onset of winter. It also became apparent that the PRGs established in the Action Memorandum were conservative for the proposed future use of the property. The PRGs were re-evaluated to include the USEPA Region III commercial/industrial risk based concentrations (RBCs), the Massachusetts Contingency Plan (MCP) S-2 soil standards, and the background screening concentrations as guidelines to determine reasonable PRGs for this site. The USEPA OSWER directive #9355.4-.02 guidance document was also consulted for lead. The USEPA OSWER recommends a soil lead clean-up level of 500-1,000 ppm for protection of human health at residential CERCLA sites. The following table summarizes the standards and background concentrations that were considered.*

<b>COPCs</b>	<b>USEPA RBCs – Region III</b>	<b>USEPA OSWER #9355.4-.02</b>	<b>MCP S-2</b>	<b>Background</b>
<i>Antimony</i>	<i>820 ppm</i>	<i>--</i>	<i>40 ppm</i>	<i>2.7 ppm</i>
<i>Arsenic</i>	<i>3.8 ppm</i>	<i>--</i>	<i>30 ppm</i>	<i>28.5 ppm</i>
<i>Lead</i>	<i>--</i>	<i>500-1000 ppm</i>	<i>600 ppm</i>	<i>210 ppm</i>

*Taking into consideration the remaining contaminant concentrations, the potentially more applicable remediation goals, the volume of soil removed, and the potential hazards associated with the open excavation, the excavation activities were terminated. The open excavation would have posed a safety hazard, especially with snow cover. It is understood that this removal action was intended as an interim action to remove the most concentrated contamination, and that further evaluation of the site, including a risk evaluation on the residual concentrations, would likely be needed before the site can be closed out. It is anticipated that the risk evaluation conducted using site-specific data collected to date will support a No Further Action Decision. Further excavation is not recommended for the site at this time pending results of the risk evaluation.*

**Comment 3:**

Areas designated as HS-1 and HS-2 were excavated down to 4 feet below the water table. Additional excavations below the water table occurred in grids FL-3 and FL-4. The report does not discuss how the excavations below the water table were conducted, whether the soils were dewatered, or how the excess water was managed. Please add this information to the report.

**Response:**

*An excavator was utilized for the excavations below the water table. The soil consisted of a low-porosity, low-packed material with brick debris, which did not need to be dewatered. However, the excavator bucket was slotted to dewater the excess water excavated with the soil prior to stockpile. Soil samples were obtained from the tip of the excavator bucket.*



**Comment 4:**

The report does not indicate whether the confirmation samples were subjected to data validation. Please clarify.

**Response:**

*The scope of work did not indicate data validation was required. Therefore, the confirmation samples were not subject to formal data validation, including evaluation by a chemist of data precision and accuracy or assignment of data qualifiers via examination of:*

- *Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries,*
- *laboratory control spikes,*
- *method blank data, and/or*
- *raw data.*

*However, Weston technical personnel with knowledge of sampling and analysis protocols, as well as of the project-specific data quality objectives verified that sample holding times were not exceeded and proper sample collection handling, preservation and analytical methods were used. In addition, technical personnel evaluated the following:*

- *the presence of analytical background contaminants (via examination of blank data),*
- *the precision of the data (qualitatively, via examination of duplicate analytical results for field duplicates),*
- *the reasonableness of the data, based on historic knowledge of the site, as well as on other data in the vicinity, and*
- *any unusual sample- or analysis-related conditions.*

**Comment 5:**

The report does not indicate whether the limits of the excavation were surveyed. This information is relevant for potential future investigations and remedial action(s).

**Response:**

*The scope of work did not include survey of the excavation limits. Field measurements using stakes and tape in conjunction with site characteristics were made during the excavation activities in order to locate samples and excavation limits for the figures included in the report. A survey was not conducted as part of this removal action.*

**Comment 6:**

Table 3-2 was missing from the report, and was provided separately for review purposes. Table 3-2 should be added to the revised version of the report (and to the Table of Contents).

**Response:**

*Table 3-2 will be added to the final version of the report and listed in the Table of Contents.*

**Comment 7:**

The units *mg/kg* and *ppm* are used interchangeably throughout the report. It is recommended that references to ppm be changed to mg/kg, for consistency with the laboratory data, throughout the report.

**Response:**

*The units, ppm will be consistently noted throughout the final version of the report.*

**Comment 8:**

Sample designations in the figures and text of the report are not consistent. For example, samples are referred to as S1 and S-1, SA-13 and S-13, HS1 and HS-1, FL3 and FL-3. The text and figures should be reviewed and corrected for consistency.

**Response:**

*The sample references will be altered in the text and figures to be consistent.*

**Comment 9:**

Several former documents are cited in the report; however, a reference list has not been included. A list of references should be added to the report.

**Response:**

*A reference list will be included in the final version of the report.*

**Comment 10:**

**Section 2.2, Other Actions To Date, Page 2-5, Paragraph 3.** The first sentence states that ABB identified antimony, arsenic, and lead as COPCs in soils at SA71. This is a partially accurate statement. In the *Railroad Roundhouse Supplemental Site Investigation Report* (ABB, 1995), the following COPCs were identified (page 5-26):

	COPCs in Soil
Human Health Risk	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Antimony Arsenic Lead
Ecological Risk	PAHs Antimony Copper Lead Tin Zinc

The text should be corrected accordingly. Also, for the benefit of the reader, explain how the above list of COPCs was reduced to antimony, arsenic, and lead for PRG development.

**Response:**

*The fourth paragraph in Section 2.2 will be amended to read:*

*ABB identified several COPCs, as identified in the above table, from soil samples collected across the site. The majority of screening value exceedances occurred in samples collected in the maintenance by-products disposal area. ABB concluded that COPCs including antimony, copper, tin, arsenic and lead may pose unacceptable risks to human and ecological receptors. The SSI report issued by ABB concluded that with the exception of antimony, copper and lead, the COPCs have been detected at concentrations which are consistent with coal ash. Section 6.2 of the SSI stated "Coal ash is widespread and ubiquitous at the railroad roundhouse site and coal ash is present as fill material at the site."*

**Comment 11:**

**Section 3.3, Excavation of Contaminated Soil, Page 3-5.** This section should include a detailed discussion of the methodology for collecting confirmation samples from both the floor and sidewalls of the excavation. The approach discussed in the first paragraph of this section appears to pertain to the initial trench excavation only.

**Response:**

*The following information will be included in Section 3.3 of the Final Report:*

*As specified in the Action Memorandum, samples were collected from the sidewalls and floor of the excavation as 5-point composite samples. The southern boundary of the excavation was extended approximately 10 feet from the initially delineated excavation limits. The confirmation samples for the sidewalls were collected approximately every 10 feet along the sidewall and composited.*

**Comment 12:**

**Section 3.3, Excavation of Contaminated Soil, Page 3-6, Paragraph 2.** Sample location S-13 may exceed the antimony PRG (unknown due to the elevated detection limit) of 2.7 ppm, and S-33 exceeds the antimony PRG. The paragraph should be expanded to explain why the excavation was terminated at S-13 and S-33 even though the PRG for antimony was (or potentially was at S-13) exceeded in these areas.

**Response:**

*The final report will be amended to include the information from following paragraph:*

*Due to the four-fold increase in the amount of soil removed from the site during excavation activities, the PRGs stated in the Action Memorandum were re-evaluated to establish more reasonable PRGs based on the proposed future use of the site. The PRGs were re-evaluated using USEPA RBCs, USEPA OSWER directive, and MCP S-2 soil standards. The removal action was intended as an interim action to remove the most concentrated contamination, and further evaluation of the site, including a risk evaluation on the residual concentrations, would likely be needed before the site can be closed out.*

**Comment 13:**

**Section 3.3, Excavation of Contaminated Soil, Page 3-5, Paragraph 3.** With respect to the sample locations discussed in this paragraph, Figure 3-2 indicates that S-22, S-42, and S-52 are the final results for these locations. However, antimony concentrations exceed the PRG of 2.7 mg/kg at S-22 (13 mg/kg), S-42 (6.1 mg/kg), and S-52 (17 mg/kg). Lead exceeded the PRG of 210 mg/kg at S-52 (390 mg/kg). This paragraph should be expanded to explain why the excavation did not continue in these areas until the PRGs were attained.

**Response:**

*Please refer to the response to Comment 2. Section 3.3 will be amended to include the following information. The removal action was an initial attempt to remove the contaminated soil in the area of the Railroad Roundhouse. The Action Memorandum specified excavation of 650 cubic yards of soil from the area. A total volume of approximately 2,400 cubic yards of contaminated soil was excavated from the site. During the site activities, it became apparent that the extent of contamination would far exceed the initial limits of excavation identified in the Action Memorandum. Taking into consideration the remaining contaminant concentrations, the potentially more applicable remediation goals, the volume of soil removed, and the potential hazards associated with the open excavation, the excavation activities were terminated. Further evaluation of the site, including a risk evaluation on the residual concentrations, will likely be needed before the site can be closed out.*

**Comment 14:**

**Section 3.3, Excavation of Contaminated Soil, Page 3-7, Paragraph 2.** The first sentence states that the "excavation was halted at this point since the southern limits of the excavation was reached". It is unclear what defined the "southern limits of the excavation" since the soil in this area (and areas to the east and west) exceeded the PRGs. Please clarify.

In addition, the text implies that excavation efforts were terminated due to the "Approach of winter weather". It is not evident that the "approach" of winter weather is a technically compelling argument for halting a removal action prior to the attainment of the PRGs. Further clarification is needed.

**Response:**

*Section 3.3 will be revised to reflect the information provided in response to Comment 2.*

**Comment 15:**

**Section 3.4, Backfilling and Restoration of Excavated Areas, Page 3-8, Paragraph 2.** It is indicated that the placement of topsoil and seeding at the site are planned for May 2000. Since the report is dated August 2000, this statement should not be in the future tense. This statement should be updated.

**Response:**

*The following information will be included in Section 3.4 of the Final Report:*



*Upon completion of the excavation, site restoration activities began. The excavation was backfilled and graded. On 25 May 2000, the excavated area was covered with loam and seed in a manner to prevent runoff from the excavated area.*

**Comment 16:**

**Section 3.5, Management and Disposal of Excavated Material, Page 3-10, Sentence 3.** The last sentence states that the disposal of the waste soil is expected to be done during the Summer 2000. This statement should be updated. If the waste was determined to be hazardous, the Removal Action Report should contain copies of all Waste Manifests, as well as Certificates of Disposal. This documentation is necessary to ensure that hazardous waste generated as a result of the Removal Action was properly transported, managed, and disposed.

**Response:**

*The last paragraph of Section 3.5 will be amended to include:*

*Sample results for stockpiles were submitted to the disposal subcontractor for profiling and receiving facility determination. Once the disposal facility was designated by the subcontractor, transportation was arranged. Information on both the disposal facility and transporter was submitted to CENAE in the form of a Complete Manifest Package (CMP). The CMP included, at minimum, the following information:*

- Name, address/location, telephone number, contact, USEPA identification number, copy of operations permit, recent weigh scale inspection and calibration certification, and proof of current liability insurance for the disposal facility(ies).*
- Name, address, telephones number, contact, and proof of current liability insurance for the transporter(s).*

*Upon the approval of the CMP by CENAE and the facility's acceptance of the waste, the profiled material was then shipped off-site for disposal/reuse. Based on analytical disposal characterization results, the soil stockpile divided into two sections. The portion of the stockpile that contained concentrations of lead that exceeded TCLP criterion was shipped to Buffalo, New York. The other portion of the stockpile was classified as hazardous material and shipped to the ARC disposal facility in Eliot, Maine. The shipping documentation for all materials generated and disposed of are located in **Appendix X**.*

**Comment 17:**

**Section 4., Conclusions, Page 4-1.** This section should clearly state that contamination in excess of the PRGs remains at the site. The limits of the excavation (both laterally and vertically) should be well documented for potential future investigations, remedial actions, and/or institutional controls.

**Response:**

*Section 4 will be amended to include the following information:*

*Residual concentrations of contaminants above the PRGs stated in the Action Memorandum are present at the site. However, the PRGs stated in the Action Memorandum were re-evaluated during the removal action in order to provide more reasonable PRGs based on the proposed future use of the site. A further evaluation of the site, including a risk evaluation on the residual concentrations, will likely be needed before the site can be closed out. The data from previous investigations and future evaluations will be utilized to evaluate site-specific goals. It is anticipated that the risk evaluation conducted using site-specific data collected to date will support a No Further Action Decision. Further excavation is not recommended for the site at this time pending results of the risk evaluation.*

**North Central Resident Office (NCRO) (Christine Johnson-Battista)**  
**20 October 2000**

**Comment 1:**

Needs typical WESTON section #4 – Transportation and Disposal. What were the removal dates? How much soil was haz? How much was nonhaz? Where did it go? Where did the stumps go that Charter came back for?

**Response:**

*A section will be added to the final version of the report to include transportation and disposal information. The waste manifests will be included in the appendix.*

**Comment 2:**

Add a few sentences about the dates of site restoration.

**Response:**

*Section 3.4 will be amended to include site restoration activities including seeding and loaming. Please refer to Response to Comment 15 above.*

**Comment 3:**

Conclusion. Add tonnages of haz and nonhaz soil to the paragraph.

**Response:**

*A total volume of approximately 2,400 cubic yards of contaminated soil was excavated from the site. The conclusion will be amended to include the tonnages of hazardous and non-hazardous material that was removed from the site.*

**Massachusetts Department of Environmental Protection (MADEP) (David M. Salvatore - Environmental Analyst)**

**3 November 2000**

**Comment 1:**

Levels of antimony up to 38 parts per million (ppm), arsenic up to 29 ppm and lead up to 990 ppm remain in soil at Study Area (SA)71. Most of the impacted soil remaining on site is below the water table and is in Plow Shop Pond following the completion of this soil removal. MADEP views this impacted Soil Removal Action at SA71 as an initial clean up action and assessment at SA71. The levels of contaminants remaining at SA71 may pose a significant risk to human health and environment. The MADEP requests the Army conduct a human health and ecological risk assessment, to evaluate the site risk at SA71.

**Response:**

*It is intended that further site-specific risk evaluations be conducted as needed, in support of a No Further Action Decision for the site. Should the assessment indicate the need for further remedial action, the appropriate action(s) to be taken, and the timing of such actions, will be discussed at that time. However, further site-evaluation is not part of the scope of this work, and as such will not be discussed in this document.*

**Comment 2:**

The MADEP on October 22, 1999 commented on an Action Memorandum for the removal of approximately 650 cubic yards of metal impacted soil at SA71. MADEP was not notified that Roy F. Weston conducted additional assessment in December 1999 and a much larger volume of 2,300 cubic yards of impacted soil had been discovered. Please explain why the site assessment in the Action Memorandum underestimated the volume of impacted soil at the Rail Road Roundhouse. Please provide an estimate of the amount of contaminated soil remaining at the site.

**Response:**

*The Action Memorandum dated September 1999 indicated that ABB conducted soil samples to characterize the extent of contamination at the site. The Action Memorandum stated that the removal action involved excavation of approximately 650 cubic yards of soil from the defined area. Unknown areas identified as "Hot Spots" were recognized during the excavation activities that were not anticipated at the time the Action Memorandum was written. The purpose of the removal action was to eliminate the bulk of the contamination at the site. The volume actually excavated by Weston represented a nearly four-fold increase over that defined in the Action Memorandum.*

The Action Memorandum indicates that the PRGs were evaluated through comparison of the maximum detected concentrations of all analytes in soil 0-2 feet below ground surface to background screening concentrations (inorganics only). During the site activities, it became apparent that the extent of contamination would exceed the initial limits of excavation and would not be completely excavated prior to the onset of winter. It also became apparent that the PRGs established in the Action Memorandum were conservative for the proposed future use of the property. The PRGs were re-evaluated during the site activities to include the USEPA Region III commercial/industrial risk based concentrations (RBCs), the Massachusetts Contingency Plan (MCP) S-2 soil standards, and the background screening concentrations as guidelines to determine reasonable PRGs for this site. The USEPA OSWER directive #9355.4-.02 guidance document was also consulted for lead. The USEPA OSWER directive recommends a soil lead clean-up level of 500-1,000 ppm for protection of human health at residential CERCLA sites. The following table summarizes the standards and background concentrations that were considered.

<b>COPCs</b>	<b>USEPA RBCs – Region III</b>	<b>USEPA OSWER #9355.4-.02</b>	<b>MCP S-2 Standard</b>	<b>Background</b>
<i>Antimony</i>	820 ppm	--	40 ppm	2.7 ppm
<i>Arsenic</i>	3.8 ppm	--	30 ppm	28.5 ppm
<i>Lead</i>	400 ppm	500-1000 ppm	600 ppm	210 ppm

Taking into consideration the remaining contaminant concentrations, the potentially more applicable remediation goals, the volume of soil removed, and the potential hazards associated with the open excavation, the excavation activities were terminated. It is understood that this removal action was intended as an interim action to remove the most concentrated contamination, and that further evaluation of the site, including a risk evaluation on the residual concentrations, would likely be needed before the site can be closed out. It is anticipated that the risk evaluation conducted using site-specific data collected to date will support a No Further Action Decision. Further excavation is not recommended for the site at this time pending results of the risk evaluation.

### **Comment 3:**

MADEP was not notified before the site was backfilled with clean material. MADEP would have requested the Army to apply sheet plastic over the impacted soil to delineate the remediated area, help prevent cross contamination of the backfill material, and retard percolation through underlying residual contaminated soil to reduce the potential for mobilizing metals in the saturated zone.

### **Response:**

The removal action was performed under CERCLA, with EPA, MADEP, Army, and Massachusetts Development Finance Authority informed of the progression of field activities. The PRGs stated in the Action Memorandum were re-evaluated during site activities in order to



*provide more reasonable PRGs for the site based on the proposed future use of the site. The site-specific PRGs were re-evaluated using the USEPA Region III RBCs, USEPA OSWER directive, and the MCP S-2 soils standards. Upon completion of the excavation activities, it was assumed that further excavation would not be conducted based on the final evaluation of the site conditions and the proposed future uses of the property.*

**Comment 4:**

Table 2-1: Is missing sample analysis data for RHD-94-02, and RHD-94-03. These soil/ sediment samples were collected below the water table at the edge of Plow Shop Pond and should be included in the Final Report.

**Response:**

*Samples RHD-94-02 and RHD-94-03 were collected during the SSI by ABB. The data collected by ABB for these two samples will be included in the final report.*

**Comment 5:**

Page ES-2: Explain what methods were used to determine extent of contamination associated with the excavation of Hot Spots RHB-94-05X and RHB-94-06X located below the water table and how confirmation samples were collected from the side walls and bottom areas of the excavation below groundwater.

**Response:**

*Section 3.3 will be amended to include the detail information about determining the extent of contamination associated with the excavation and how confirmation samples were collected.*

*The excavation was conducted using an excavator. The contaminated area was excavated approximately 6 inches to one foot above the water table starting along the southern portion of the excavation and moving toward Plow Shop Pond. A ramp was constructed to allow access of the excavator to the hole. The hot spots (HS1 and HS2) were excavated after the initial 6 inches to one foot of material was excavated. The hot spots were excavated approximately four (4) to six (6) feet below the groundwater table utilizing an excavator. Due to the nature of the non-porous material, the excavation below the water table was not dewatered. Samples were collected at the bottom of the hot spot excavation from the teeth of the excavator bucket, which contained slots in the bucket to drain water.*

*The floor of the excavation was divided into four grids each of approximate area 250 sf and named FL1, FL2, FL3, and FL4. HS1 was located within FL1 and FL3 and HS2 was located within FL4. Analytical results of samples collected from the four floor grids (FL1 through FL4) indicated higher concentrations of lead in samples from grids FL3 at 990 ppm and FL4 at 700 ppm. Additional excavation was conducted in these two grids down to approximately 6 inches below the water table. Composite samples FL3-3 and FL3-4 were then collected in grid FL3 from below the water table, by dividing the area of grid FL3 in half, and collecting five equidistant samples in each half area and compositing them into one sample per half-area. Similarly, composite samples FL4-3 and FL4-4 were collected from grid FL4 and analyzed.*



*Confirmation sidewall samples were collected from the excavation limits every 10 feet along a 50-foot section of the sidewall and composited for analysis.*

**Comment 6:**

Figure # 3-1 shows only the sample data and locations for test pit # TP1 and TP2 however Table 3-2 has analytical data for TP11, TP12, TP21, TP22. Please provide analytical data and test pit logs for all test pits including TP3 through TP10 and TP13 through TP20. All test pit locations and results should be depicted on site plan. MADEP is requesting all test pit-sampling results be included in the final report.

**Response:**

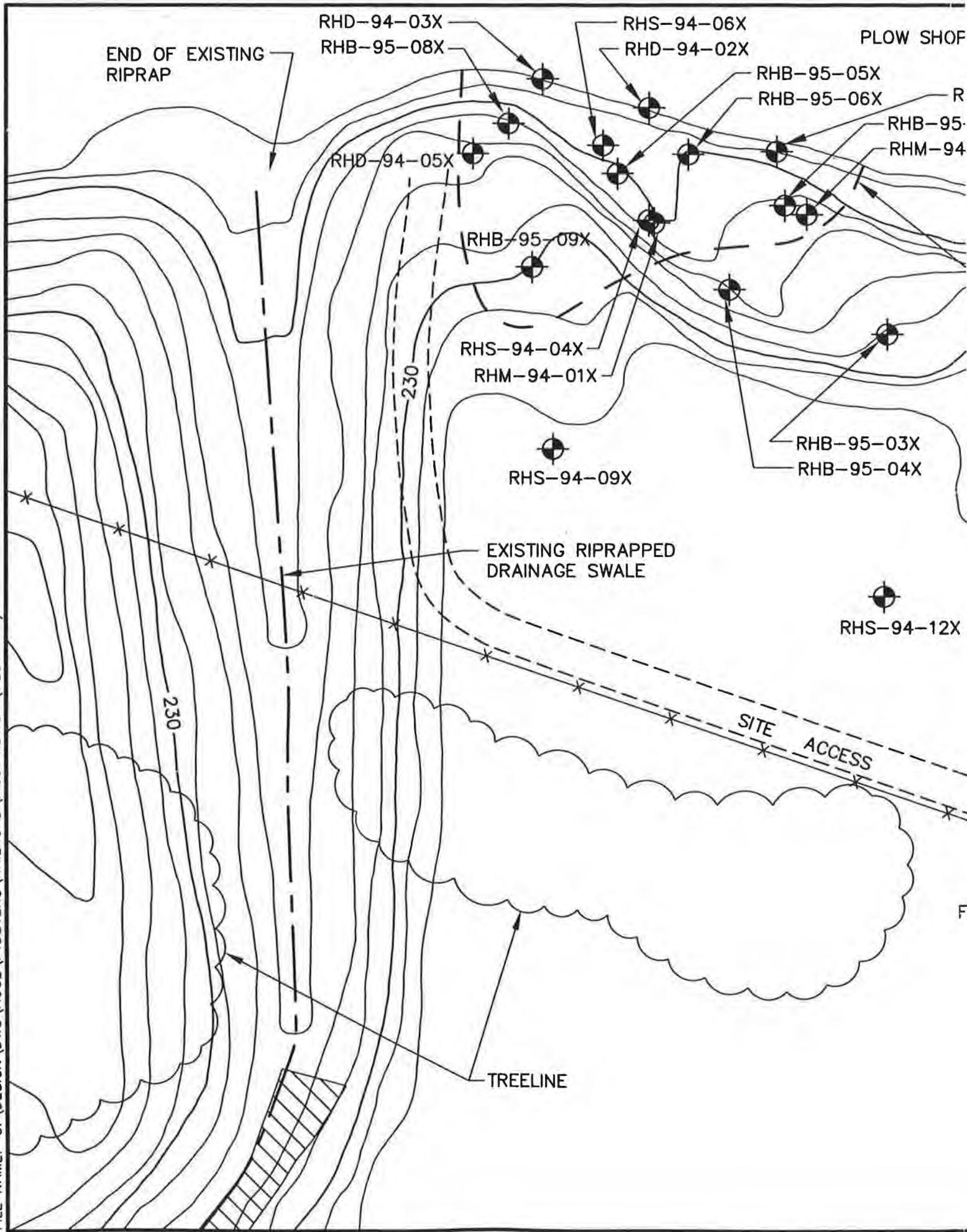
*In order to investigate the extent of metals contamination in the southerly direction, two test pits (TP-1 and TP-2) were dug to a depth approximately six (6) feet below ground surface. The analytical data depicted on Table 3-2 includes two samples collected within each test pit. Samples were collected from these two test pits only; sample IDs TP1-1 at 0-3 ft bgs and TP1-2 at 3-6 ft. bgs at TESTPIT -1 and TP2-1 and TP2-2 at similar depths at TESTPIT-2. The testpit samples were incorrectly labeled in the Draft Removal Action Report. The samples will be properly identified and explained in the Final Removal Action Report.*

**Comment 7:**

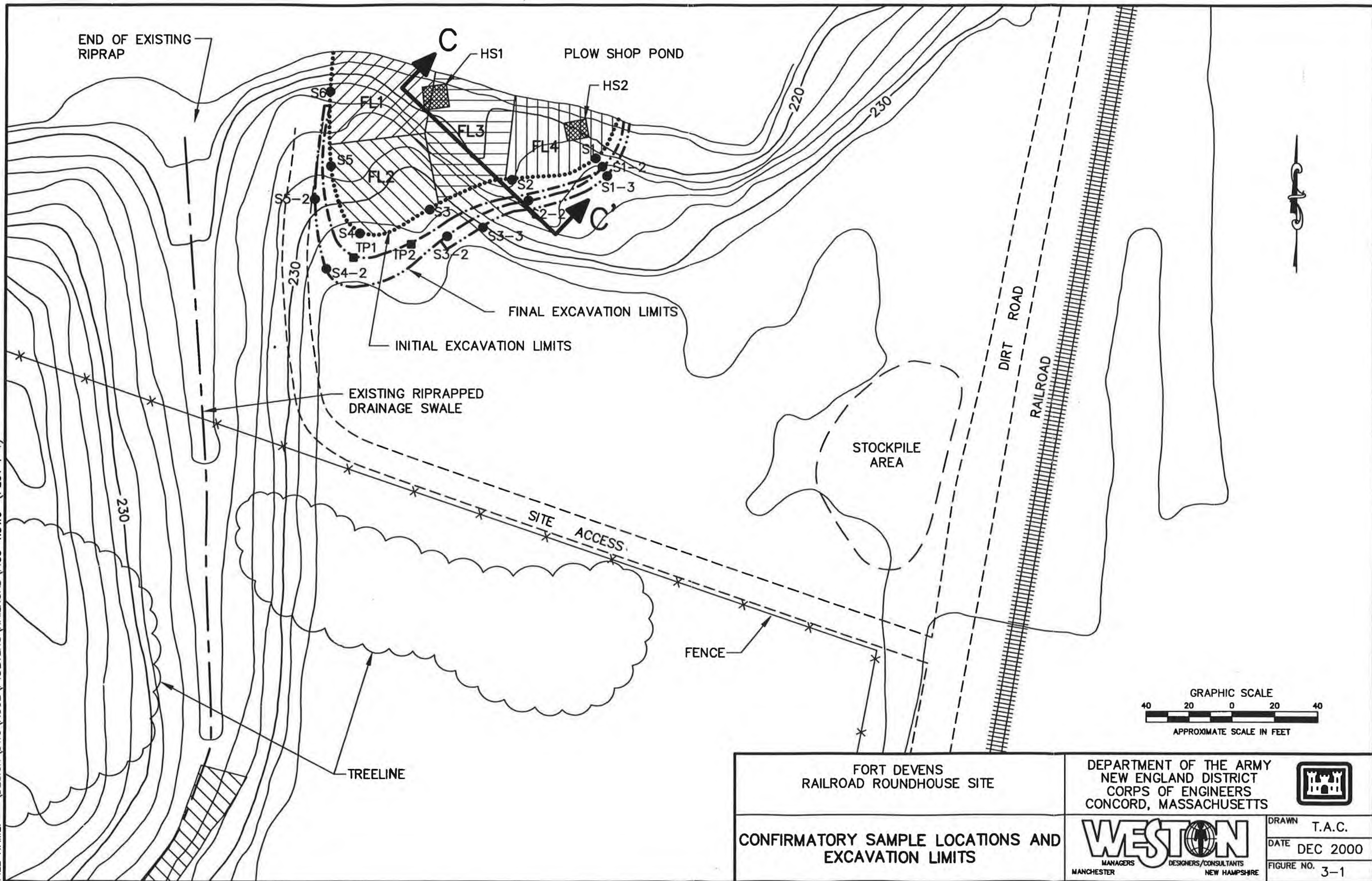
Figure # 3-1 indicates remediation sidewall sample S-32 has exceedences of the Action Memo Preliminary Remediation Goal for Antimony at 2900 ppm, Arsenic 82 ppm and Lead 19000 ppm. Following a second excavation a confirmatory sample S-33 appears to have been collected approximately 20 feet east of sample S-32. Explain why the confirmation sample was collected at such a distance from the highly impacted sidewall location.

**Response:**

*Sample locations S-12 and S-32 showed higher levels of lead at 670 ppm and 19,000 ppm, respectively. The high concentration of lead from S-32 may have been attributed to a chunk of lead that had been entrained in the soil sample analyzed. The additional 5-10 feet of excavation along the southeastern boundary was conducted to identify the southern boundary of the excavation. Confirmatory sidewall samples were collected every 10 feet along 50-foot sections of the sidewall and composited for analysis. The location of soil sample S-33 on Figure 3-1, indicates the center portion of the sidewall where the 5-point composite samples were collected. One of the five composite sample points along the sidewall was located 5-10 feet up-gradient of sample S-32, establishing the southern boundary of the excavation.*



FILE NAME: \DESIGN\DWG\ACOE\FTDEVENS\RAILROAD\FIG3-1.DWG (PLOT 1-1)



FORT DEVENS  
RAILROAD ROUNDHOUSE SITE

CONFIRMATORY SAMPLE LOCATIONS AND  
EXCAVATION LIMITS

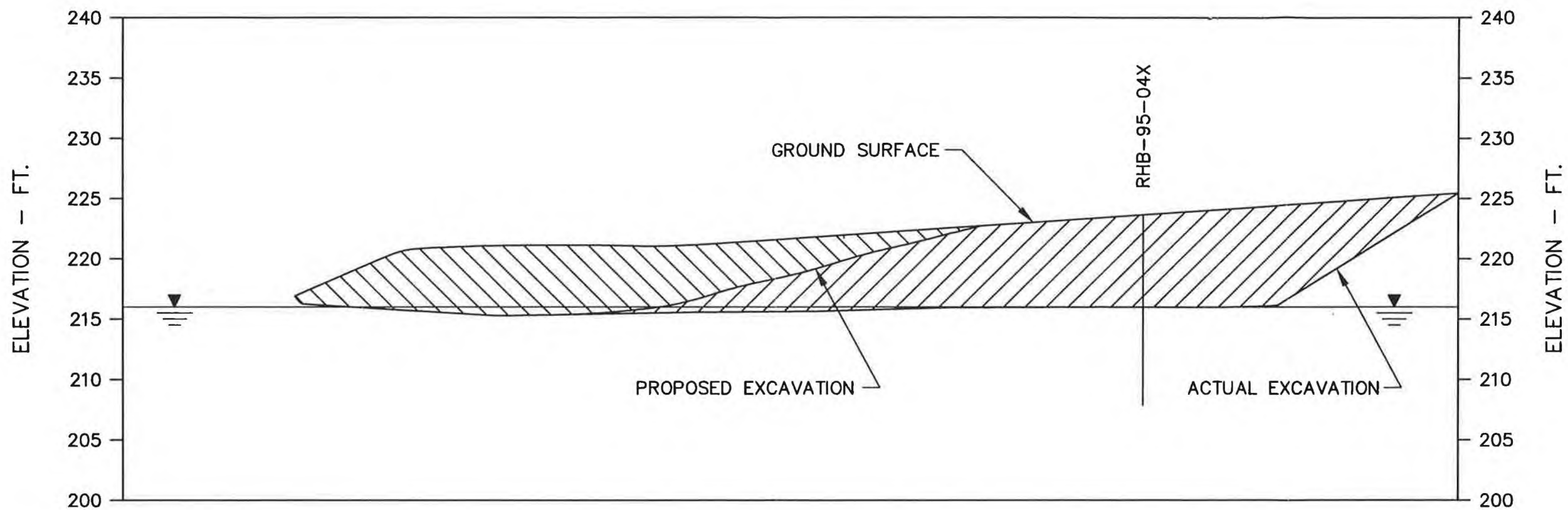
DEPARTMENT OF THE ARMY  
NEW ENGLAND DISTRICT  
CORPS OF ENGINEERS  
CONCORD, MASSACHUSETTS

**WESTON**  
MANAGERS DESIGNERS/CONSULTANTS  
MANCHESTER NEW HAMPSHIRE

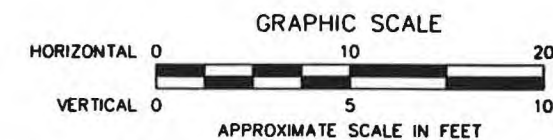
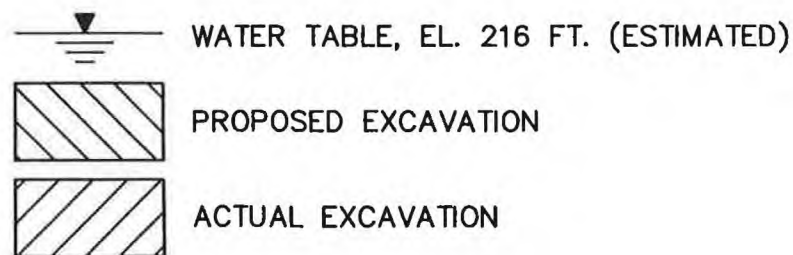
DRAWN T.A.C.  
DATE DEC 2000  
FIGURE NO. 3-1



FILE NAME: G:\DESIGN\DWG\ACOE\FIDEVENS\RAILROAD\FIG3-3.DWG (PLOT 1=1)



### LEGEND



SOURCE: STONE AND WEBSTER, 1999.

FORT DEVENS  
RAILROAD ROUNDHOUSE SITE

CROSS-SECTION C

DEPARTMENT OF THE ARMY  
NEW ENGLAND DISTRICT  
CORPS OF ENGINEERS  
CONCORD, MASSACHUSETTS

**WESTON**  
MANAGERS DESIGNERS/CONSULTANTS  
MANCHESTER NEW HAMPSHIRE



DRAWN A.J.M.  
DATE MAR. 2000  
FIGURE NO. 3-2