

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

Contract No. DACW33-95-D-0004 Delivery Order No. 0004 DCN: VRA-011601-AAPY

Prepared for:

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LIST OF ACRONYMS

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. Babbit 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.

SECTION 1 PURPOSE

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.

SECTION 2 SITE DESCRIPTION AND BACKGROUND

2. SITE DESCRIPTION AND BACKGROUND

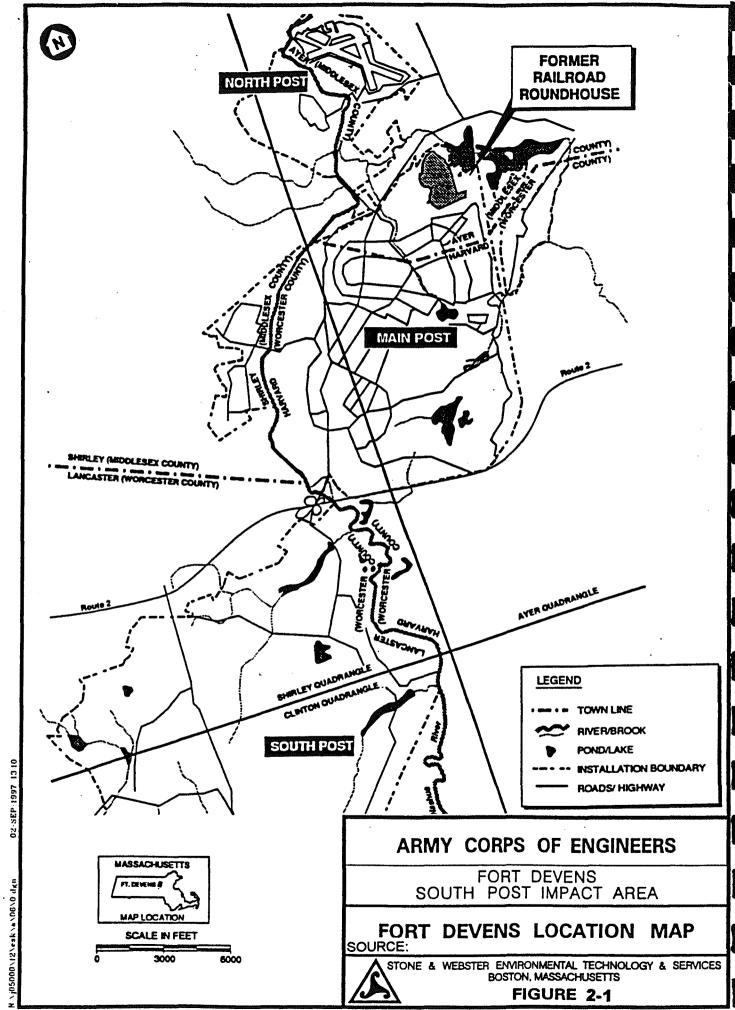
2.1 SITE DESCRIPTION

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 place 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.

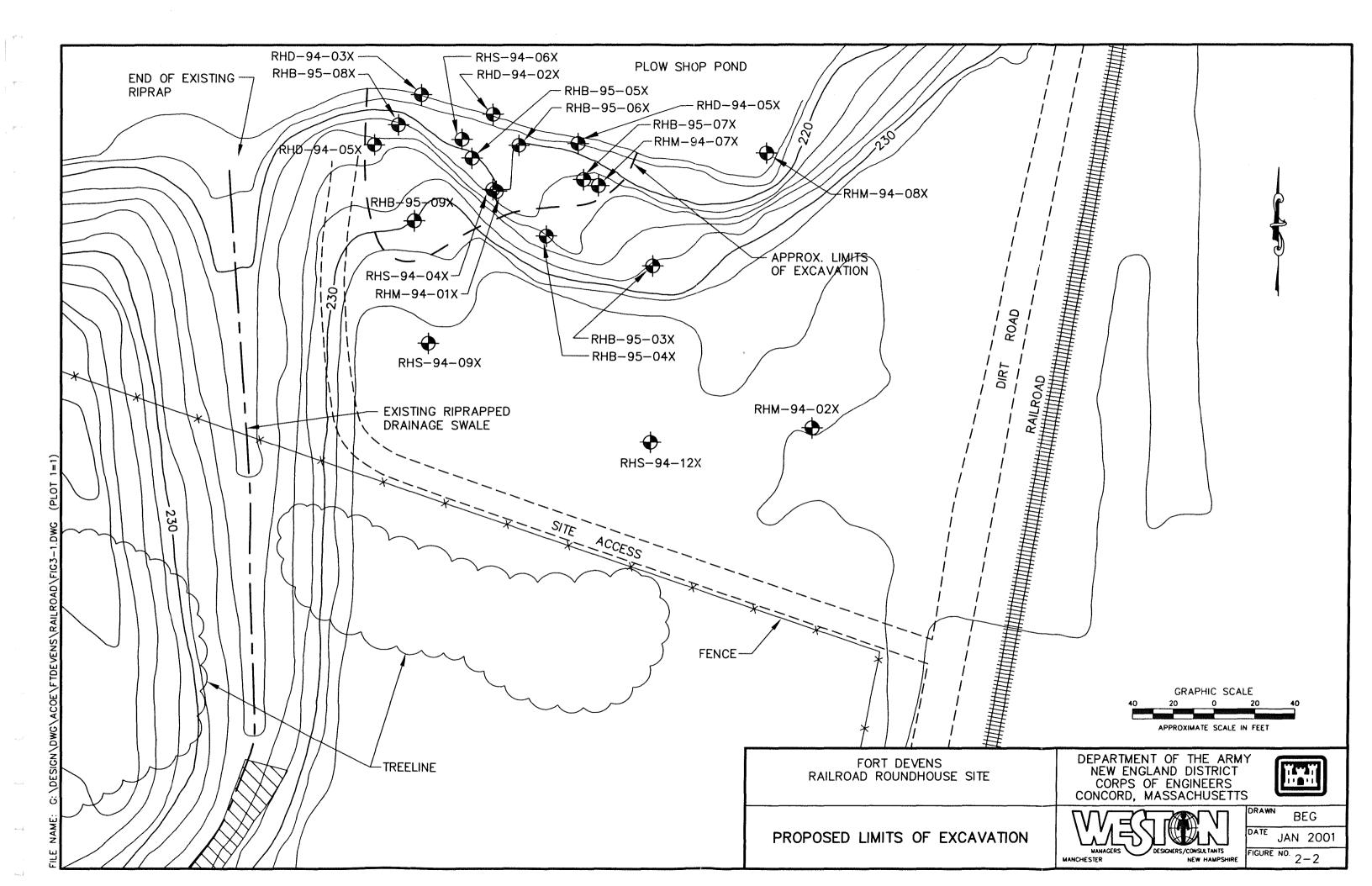
The following information about site background and previous actions to date at the site is derived from the Action Memorandum dated November 1999, developed by Stone & Webster Environmental Technologies and Services (SWETS) for the project.

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.



2-2



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

Sample ID	Depth (feet)	Antimony	Arsenic	Lead				
Maintenance By-Product Area Data Exceeding PRGs								
RHS-94-04X	0	18	16	573				
	0.5	410	18	7100				
	1.5	420	42	4320				
RHS-94-05X	0	4.88	13	145				
	0.5	570	14	681				
	1.5	66	10	1850				
RHS-94-06X	0.5	30	21	1040				
	0.5	1400	49	3820				
	1.5	7.2	10	310				
RHS-94-07X	0	40	19	967				
	1.0	41	23	760				
79.44	2.0	5.77	16	578				
SXRH04/RHS-95-04X	0.0	NS	14	190				
	4.0	NS	4.9	19				
	8.0	NS	12	2.6				
SXRHO5/RHS-95-05X	0.0	NS	19	980				
	6.0	NS	17	1800				
	12.0	NS	ND	ND				
SXRHO6/RHS-95-06X	0.0	NS	17	1200				
	8.0	NS	12	190				
	10.0	NS	11	140				
	12.0	NS	4	7.3				
SXRH07/RHS-95-07X	4.0	NS	17	380				
	6.0	NS	14	350				
	14.0	NS	4	_ ND				
SXRH08/RHS-95-08X	0.0	NS	16	4200				
	6.0	NS	20	680				
	18.0	NS	2.3	ND				
SXRH09/RHS-95-09X	0.0	NS	6.8	240				
	14.0	NS	9.1	16				
	16.0	NS	4.1	4.6				
RHD-94-02X	0	17.6	9.88	945				
RHD-94-03X	0	12.3	16	282				
RHD-94-03X-Duplicate	0	9.13D	11D	344D				

Notes:

- 1. Background defined by ABB as the 95th percentile UCL on the mean of 12 samples collected 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

SECTION 3 FIELD ACTIVITIES

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 summaries the standards and background concentrations that were considered.

Table 3-1
Preliminary Remediation Goals

COPCs	USEPA RBCs – Region III (ppm)	USEPA OSWER #9355.402 (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.

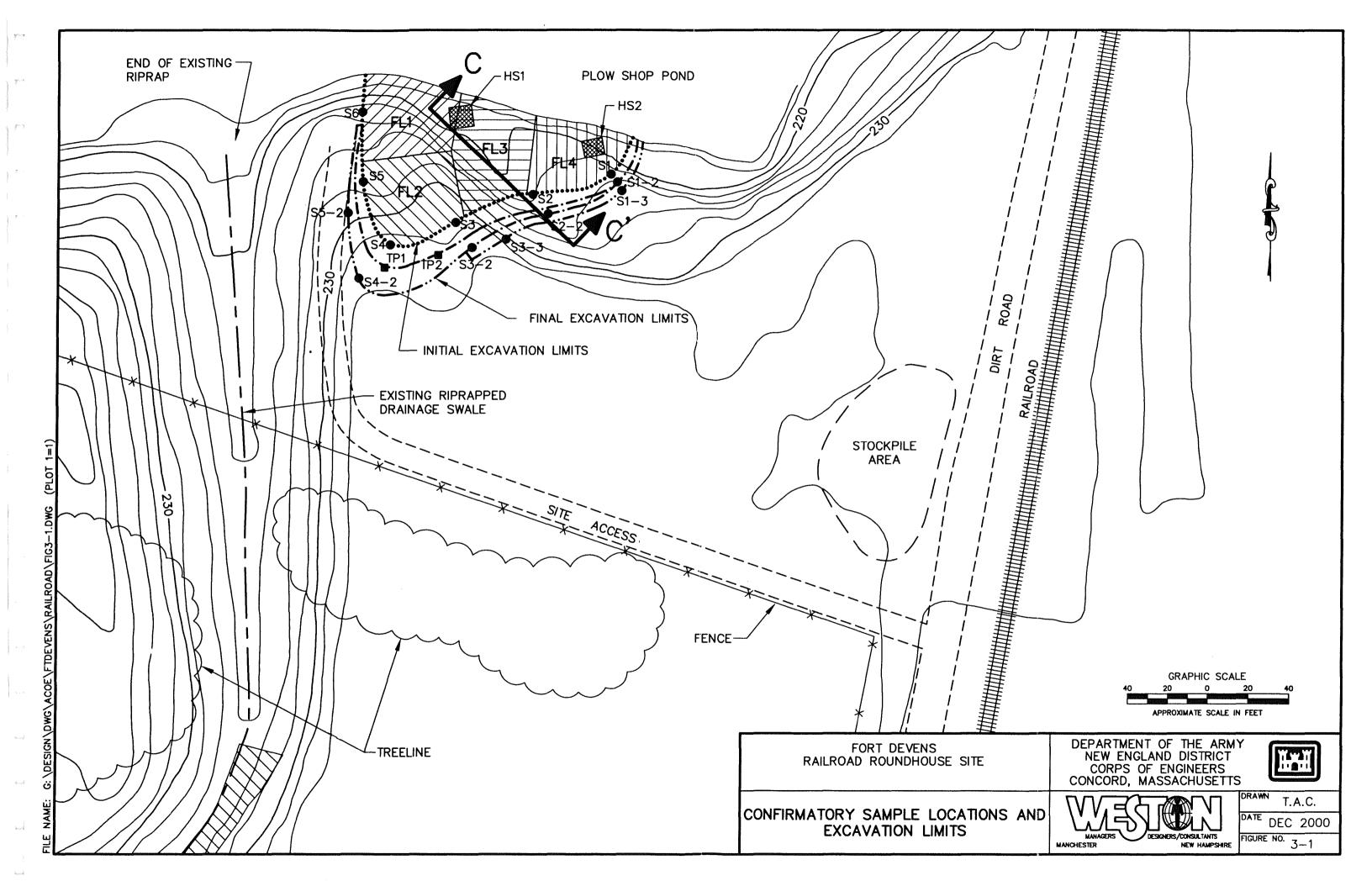
NSI mobilized to the site during the last week of November 1999 and setup the temporary soil stockpiling area adjacent to the site as shown in Figure 3-1. The temporary stockpiling area was constructed on a flat surface. Several 20-mil high-density polyethylene (HDPE) liner panels were laid down adjacent 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
idewalls of Round	l 1 (Initial) Excavation	n Limit	
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
estpits 1 and 2 Sa	mpling		
TP1-1	31	20	430
TP1-2	40	39	610
TP2-1	23	28	1500
TP2-2	41	20	970
dewalls of Round	2 Excavation		
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
dewalls of Round	3 (Final) Excavation		
S1-3	<5.3	13	<6.6
S3-3	22	14	<6.2
S3-3DUP	<4.8	10	<5.9
ccavation Floor S	ampling- Round 1		
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
Excavation Floor S	ampling- Round 2		
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



240

₩ATER TABLE, EL. 216 FT. (ESTIMATED)



PROPOSED EXCAVATION



ACTUAL EXCAVATION

GRAPHIC SCALE HORIZONTAL VERTICAL 0 APPROXIMATE SCALE IN FEET

- 240

FORT DEVENS RAILROAD ROUNDHOUSE SITE

DEPARTMENT OF THE ARMY NEW ENGLAND DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS



CROSS-SECTION C



A.J.M. DATE MAR. 2000 FIGURE NO. 3-2

SOURCE: STONE AND WEBSTER, 1999.

G: \DESIGN\DWG\ACOE\FTDEVENS\RAILROAD\FIG3-3.DWG

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.

SECTION 4 CONCLUSIONS

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.

SECTION 5 REFERENCES

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.

APPENDIX A ANALYTICAL RESULTS OF BACKFILL MATERIAL SAMPLING



SOIL METALS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

AMRO Project #: 24881

AMRO Sample ID: ICP:24881-01 Hg:24881-01

COMPOUND	SPIKE ADDED	SAMPLE	MS	MS	QC LIMITS	
(Method #)	(mg/kg)	CONCENTRATION (mg/kg)	CONCENTRATION (mg/kg)	% REC.	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	SPIKE ADDED	MSD	MSD	%	QC LIMITS	
(Method #)		CONCENTRATION	%	RPD	RPD	REC.
	(mg/kg)	(mg/kg)	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		Backfill Soi						
Method for Target Analytes: EPA 8260	AMRO Lab ID			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				٦
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				٦
Range/Target Analyte	UNITS	RESULTS	RL	RESULTS	RL	RESULTS	RL	٦
C ₅ -C ₈ Aliphatic Hydrocarbons ^{1,2}	mg/Kg	ND	2.7	ND	2.5			٦
C ₉ -C ₁₂ Aliphatic Hydrocarbons ^{1,3}	mg/Kg	ND	0.68	ND	0.62			٦
C ₉ -C ₁₀ Aromatic Hydrocarbons ¹	mg/Kg	ND	0.68	ND	0.62			٦
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			٦
m- & p-Xylenes	mg/Kg	ND	0.055	ND	0.050			٦
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			٦
1,2-Dichloroethane-d4 Limits (70-130%)	%	99.6	N/A	96.1	N/A			7
Toluene-d8 Limits (70-130%)	%	99.5	N/A	96.5	N/A			\Box
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			

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

COMMENTS: See Non-Conformance Summary.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method follow	wed?	[X] Yes	[] No - See Comments
Were all performance/acceptance standards for required QA/QC p	procedures achiev	ed? [] Yes	[X] No - See Comments
Were any significant modifications made to the VPH method, as s	pecified in Sect 11	I.3? [] No	[X] Yes - Details attached
I attest under the pains and penalties of perjury that, based upon robtaining the information, the material contained in this report is, to complete.			ite and
			unager
PRINTED NAME: Richard Ravenelle	DATE:	1-10-00	

² C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

³ C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND conc of C9-C10 Aromatic Hydrocarbons

N/A = Not Applicable

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

SOIL VPH MATRIX SPIKE / SPIKE DUPLICATE

AMRO ID#: 9911018-13a

Instrument#: VOA 2

Analysis Date: 12/03/99

Analyst: SK

COMPOUND	SPIKE ADDED	SAMPLE	MS	MS	QC LIMITS
	((1.C)	CONCENTRATION	CONCENTRATION	% DE0	RECOVERY
	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	
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 Naphthalene	0.38 0.38	0.00 0.00	0.40 0.24	104 63.7	70 - 130 * 70 - 130

COMPOUND	SPIKE ADDED	MSD	MSD	%	QC L	IMITS
		CONCENTRATION	%	RPD	RPD	REC.
	(mg/Kg)	(mg/Kg)	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

Instrument #:

Voa 2

AMRO Duplicate ID: 9911018-11a

Analyst:

sk

Analysis Date: 3-Dec-99

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}

Instrument#

Voa 2

Run Date:

2 Dec 99 8:22 pm

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

Test <u>Parameter</u>	Results (ug/Kg)	Reporting <u>Limit(ug/Kg)</u>
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 Sample Qty/Type: 1/Solid

Date Analyzed: 11/29/99

Test <u>Parameter</u>	Results (ug/Kg)	Reporting <u>Limit(ug/Kg)</u>
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

SAMPLE#	S1 TCX (64 - 124)	S2 DCB (65 - 157)	S1 TCX #2 (64 - 124)	S2 DCB #2 (65 - 157)	TOTAL OUT
SA112699BK1 DF=1	90.1	93.0	82.4	99.4	0
SA112699LC2 DF=1	95.1	106	98.1	109	0
24881-01 DF=1	94.2	97.3	86.4	105	. 0
24881-01MS DF=1	88.1	100	89.7	104	0
24881-01MSD DF=1	98.0	108	92.1	113	0
				1	
			;		
			,		
			; 	:	1
				:	
				:	
			<u> </u>		
					1
QC limits from in house	statistical data	1.			
* = Value outside QC lim					
D = Diluted out				-	

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
Analyst: RAP

	Analysis Date	: 11/29/1999			Analyst:	RAP
No.	COMPOUND	SPIKE ADDED		LCS CONCENTRATION	LCS %	QC LIMITS RECOVERY
		(ug/Kg)	(ug/Kg)	(ug/Kg)	REC.	
	PCB 1016 #1	497	0	505	102	67 - 116
1	PCB 1260 #1	497	0	547	110	55 - 122
	PCB 1016 #2	497	0	472	95.0	67 - 116
	PCB 1260 #2	497	0	548	110	55 - 122

Spike Recovery 0 of 4 outside limits.

*Values outside of QC limits LCS 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

7 4 12 1 7 0 1 2 2 2					
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 - 116
PCB 1260 #1	521	0	546	105	55 - 122
PCB 1016 #2	521	0	471	90.4	67 - 116
PCB 1260 #2	521	00	546	105	55 - 122

COMPOUND	SPIKE ADDED	MS DUP	MS DUP	%	QC	LIMITS
	(ug/Kg)	CONCENTRATION (ug/Kg)	% REC	RPD	RPD	REC
PCB 1016 #1	519	529	102	5.84	50	67 - 116
PCB 1260 #1	519	576	111	5.35	50	55 - 122
PCB 1016 #2	519	489	94.2	3.75	50	67 - 116
PCB 1260 #2	519	560	108	2.53	50	55 - 122

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

** 4		.
Test	Results	Reporting
Parameter	(ug/kg)	Limit (ug/kg)
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

Date analyzed: 11/30/99

Sample Qty/Type: 1/Solid

Test	Results	Reporting
<u>Parameter</u>	(ug/kg)	Limit (ug/kg)
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.

Analyzed By:

KEM

^{* =} Estimated result. See Non-Conformance Summary.

PESTICIDE SOIL SEMIVOLATILE SURROGATE RECOVERY

AMRO Environmental Laboratories Corporation

SAMPLE#	S1 TCX (64-124)	S2 DCB (65-157)	S1 TCX #2 (64-124)	S2 DCB #2 (65-157)	TOTAL OUT
SP112699BK1 DF=1	77.0	82.5	92.2	94.0	0
SP112699LC1 DF=1	83.4	85.1	110	115	0
24881-01 DF=1	79.8	86.2	102	108	0
24881-01MS DF=1	84.3	89.9	103	109	0
24881-01MSD DF=1	79.5	85.5	102	103	0
					
					
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		·			
					
			·		•
C limits from in house stat	istical data.				
= Value outside QC limits				······································	
= Diluted out					

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

				, - 101, 011	
COMPOUND	SPIKE ADDED	SAMPLE	LCS	LCS	QC LIMITS
		CONCENTRATION	CONCENTRATION	%	RECOVERY
	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC.	
gamma-BHC	9.93	0	9.36	94.3	40 - 141
Heptachior	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	SAMPLE	MS	MS	QC LIMITS
	(ug/Kg)	CONCENTRATION (ug/Kg)	CONCENTRATION (ug/Kg)	% REC.	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	MS DUP	MS DUP	%	QC	LIMITS
	(0.5/16.5)	CONCENTRATION	% DEC	RPD	RPD	REC
	(ug/Kg)	(ug/Kg)	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

EFIT ANALT HOAL 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 ₉ -C ₁₈ Aliphatic Hydrocarbons ¹	mg/Kg	ND	52	ND	50		
C ₁₉ -C ₃₆ Aliphatic Hydrocarbons ¹	mg/Kg	ND	52	ND	50		
C ₁₁ -C ₂₂ Aromatic Hydrocarbons ^{1,2}	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

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

COMMENTS: See Non-Conformance Summary.

С	E	R	TI	F	IC/	17	10	N	

Were all QA/QC procedures REQUIRED by the EPH Method follows	d? [X] Yes [] No - See Comments
Were all performance/acceptance standards for required QA/QC pro	cedures achieved? [] Yes [X] No - See Comments
Were any significant modifications made to the EPH method, as spe	cified in Sect 11.3? [] No [X] Yes - Details attache
I attest under the pains and penalties of perjury that, based upon my obtaining the information, the material contained in this report is, to complete.	
SIGNATURE: Vey Shoul	POSITION: Organic Division Manager
PRINTED NAME: Richard Ravenelle	DATE: 1-10-00

C₁₁-C₂₂ Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

N/A = Not Applicable

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

EPH SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

AMRO Project #: 24881-01

Instrument#: 5

: SV1

Analysis Date: 11/30/99

Analyst: RKK

COMPOUND	SPIKE ADDED	SAMPLE	MS	MS	QC LIMITS
		CONCENTRATION	CONCENTRATION	%	RECOVERY
	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	
- -Nonane	1.29	0	1	77.5	40 - 140
aphthalene	1.29	0	1.08	83.7	40 - 140
m-Tetradecane	1.29	0	1.56	120.9	40 - 140
Acenaphthene	1.29	0	0.94	72.9	40 - 140
nthracene	1.29	0	1.1	85.3	40 - 140
Nonadecane	1.29	0	1.61	124.8	40 - 140
n-Eicosane	1.29	0	1.52	117.8	40 - 140
yrene	1.29	0	1.01	78.3	40 - 140
hrysene	1.29	0	0.93	72.1	40 - 140
n-Octacosane	1.29	0	1.32	102.3	40 - 140

Spike Recovery 0 of 10 outside limits.

^{*}Values outside of QC limits

latrix Spike (MS) Data File: C8102.D MRO 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

0.0

0.0

0.0

50

50

50

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

0

0

0

0

0

0

DIBENZO(A,H)ANTHRACE

INDENO(1,2,3-CD)PRYENE

BENZO(G,H,I)PERYLENE

Duplicate File: C8109.D

Amro Environmental Laboratories Corp.

^{*} Values outside QC limits RPD: 3 of 20 outside limits. Sample File: C8108.D

EPH SOIL LABORATORY CONTROL SAMPLE SPIKE RECOVERY

AMRO Project #: BLK112699 Analysis Date: 11/30/99

Instrument# : SV1 Analyst : RKK

COMPOUND	SPIKE ADDED	SAMPLE	LCS	LCS	QC LIMITS
		CONCENTRATION	CONCENTRATION	%	RECOVERY
	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.	
n-Nonane	1.25	0	1.04	83.2	40 - 140
aphthalene	1.25	0	0.991	79.3	40 - 140
n-Tetradecane	1.25	0	1.36	108.8	40 - 140
<u>A</u> cenaphthene	1.25	0	0.988	79.0	40 - 140
nthracene	1.25	0	1.02	81.6	40 - 140
Nonadecane	1.25	0	1.43	114.4	40 - 140
n-Eicosane	1.25	0	1.39	111.2	40 - 140
_yrene	1.25	0	0.99	79.2	40 - 140
hrysene	1.25	0	0.884	70.7	40 - 140
n-Octacosane	1.25	0	1.1	88.0	40 - 140

Spike Recovery 0 of 10 outside limits.

Values outside of QC limits

CS Data File : C8100.D

MRO Environmental Laboratories Corp.



AMRO Environmental Laboratory Report Revised Report

Client:

Client Designation:

Roy F. Weston, Inc.

Railroad Rd. House SA71 Devens, MA

P.O. Box 425

01433 Ayer, MA

Attn: Mr. Sam Naik

Samples Qty/Type:

1/Solid

AMRO Designation: 24881

Date Sampled: 11/23/99 Date Rec'vd: 11/23/99 12/03/99

Date Complete:

COC #: 30240

Sample Identity	AMRO Identity	Test Parameter	Results	Units	Date of Analysis	Run by	EPA Method
Backfill Soil	24881-01	Digestion Digestion-Mercury Total Solids Arsenic, Total Barium, Total Cadmium, Total Chromium, Total Lead, Total Mercury, Total Selenium, Total Silver, Total	96.0 <6.5 <26. <0.65 7.4 <6.5 <0.024 <10. <1.8	% mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	11/24/99 11/24/99 11/23/99 11/26/99 11/26/99 11/26/99 11/26/99 11/24/99 11/26/99 11/26/99	GS CM MDM REB REB REB REB CM REB REB	3051 7471 2540G 6010 6010 6010 6010 7471 6010 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
Мегсигу	11/24/99	0.00007	7471
Selenium	11/26/99	0.0317	6010
Silver	11/26/99	0.0012	6010
Silver	11/26/99	0.0012	601

SOIL METALS LABORATORY CONTROL SAMPLE

AMRO Project #: 24881

ANALYTE	Date of	TRUE	FOUND	RECOVERY	METHOD
	Analysis	(mg/L)	(mg/L)	% *	
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%

APPENDIX B ANALYTICAL RESULTS OF CONFIRMATORY SOIL SAMPLING

AMRO Environmental Laboratory Report

Page 1 of 2

Client:

Roy F. Weston, Inc.

P.O. Box 425

Ayer, MA 01433

Attn: Mr. Sam Naik

Samples Qty/Type: 6/Solid

Client Designation:

SA71 Railroad RD House Devens, MA

AMRO Designation: 24930

Date Sampled: 11/30/99
Date Rec'vd: 11/30/99
Date Complete: 12/06/99

J							
_Sample Identity	AMRO Identity	Test Parameter	Results	Units	Date of Analysis	Run by	EPA Method
SA71-S1	24930-01	Digestion Total Solids Antimony, Total Arsenic, Total Lead, Total	75.3 43. 12. 3,000.	% mg/Kg mg/Kg mg/Kg	12/01/99 12/03/99 12/03/99 12/03/99 12/02/99	RK SEL APL APL REB	3051 2540G 7041 7060 6010
SA71-S2	24930-02	Digestion Total Solids Antimony, Total Arsenic, Total Lead, Total	72.1 S 38. 38. 570.	% mg/Kg mg/Kg mg/Kg	12/01/99 12/03/99 12/03/99 12/03/99 12/06/99	RK SEL APL APL REB	3051 2540G 7041 7060 6010
SA71-S3	24930-03	Digestion Total Solids Antimony, Total Arsenic, Total Lead, Total	76.9 S 6.7 32. 100.	% mg/Kg mg/Kg mg/Kg	12/01/99 12/03/99 12/03/99 12/02/99 12/02/99	RK SEL APL APL REB	3051 2540G 7041 7060 6010
SA71-S4	24930-04	Digestion Total Solids Antimony, Total Arsenic, Total Lead, Total	73.4 S 14. S 32. 130.	% mg/Kg mg/Kg mg/Kg	12/01/99 12/03/99 12/03/99 12/03/99 12/02/99	RK SEL APL APL REB	3051 2540G 7041 7060 6010
SA71-S5	24930-05	Digestion Total Solids Antimony, Total Arsenic, Total Lead, Total	93.5 14. S 16. 110.	% mg/Kg mg/Kg	12/01/99 12/03/99 12/03/99 12/03/99 12/02/99	RK SEL APL APL REB	3051 2540G 7041 7060 6010

Continued next page . . .



AMRO Environmental Laboratory Report

Page 2 of 2

Sample Identity	AMRO Identity	Test Parameter	Results	Units	Date of Analysis	Run by	EPA —
SA71-S6	24930-06	Digestion Total Solids Antimony, Total Arsenic, Total Lead, Total	92.5 S 4.6 E 12. 74.	% mg/Kg mg/Kg	12/01/99 12/03/99 12/03/99 12/03/99 12/02/99	RK SEL APL APL REB	3051 2540G 7041 7060 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'
- 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 Arsenic Lead	12/2/99 12/2/99 12/2/99	0.0001 0.0009 -0.0004	7041 7060 6010

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%



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
	(59)	(33)	(33)		
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	SPIKE ADDED	MSD	MSD		%		QC	LIMITS
(Method #)	(mg/kg)	CONCENTRATION (mg/kg)	% REC.		RPD		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

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Project: Lab Order: SA71 Devens, MA

.

Date Received:

9912012

Work Order Sample Summary

ed: 12/6/99

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	

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 Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			Analyst: REB
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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	25.0	0	wt%	1	12/7/99

R - RPD outside accepted recovery limits

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912012

SA71 Devens, MA

Project: Lab ID:

9912012-02A

Client Sample ID: TEST PIT-12

Tag Number:

Collection Date: 12/6/99

Matrix: SOIL

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
ICP METALS, 3051/6010	s	W6010B			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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	27.4	0	wt%	1	12/7/99

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

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 Qu	ıal Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			Analyst: REB
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
PERCENT MOISTURE	E	2216			Analyst: MM
Percent Moisture	20.4	0	wt%	1	12/7/99

* - Value exceeds Maximum Contaminant Level

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

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 Qu	al Units	DF	Date Analyzed	
ICP METALS, 3051/6010	SW6010B				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	
PERCENT MOISTURE	C	2216			Analyst: MM	
Percent Moisture	20.6	0	wt%	1	12/7/99	

* - Value exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits

Type Size, & No. o Contain Station Location PIT - 1.1 PIT-12 PIT-2 SIDIT-22 SIDIT-22 SIDIT-22 SIDIT-22	918	Wate SolVS Wast Qiha Expla	Solid-S le-W L-Q	400	, N				
Station Location Pit - 11	918	Exple 5	ain 👌	40/			/	//	/ /
PIT-11 8/80 PIT-12 8/80 PIT-21 8/8	<i>(</i>		X		·	, ,	-		Remarks
P11-21 8/80	<i>(</i>	5		1	ļ				Remarks
P11-21 9/8	42 /1		×						
SIDIT- 22 36/8		3	χ,						
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Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Project:

SA71-Railroad Roundhouse, Devens, MA

Work Order Sample Summary

Lab Order:

9912044

Date Received: 12/8/99

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
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

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-FL1

Lab Order:

9912044

Tag Number:

Project:

SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

Lab ID:

9912044-01A

Matrix: SOIL

Analyses	Result	Limit Qu	ıal Units	DF	Date Analyzed
ICP METALS, 3051/6010	SW6010B				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
PERCENT MOISTURE		2216			Analyst: MM
Percent Moisture	23.6	0	wt%	1	12/8/99

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order: 9

9912044

9912044-02A

Client Sample ID: SA71-FL2

Tag Number:

Project: Lab ID: SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

tion Date. 1.

Matrix: SOIL

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed	
ICP METALS, 3051/6010	SW6010B				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	
PERCENT MOISTURE	C	2216			Analyst: MM	
Percent Moisture	23.6	0	wt%	1	12/8/99	

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-FL3

Lab Order:

9912044

Tag Number:

Project:

SA71-Railroad Roundhouse, Devens, MA

.

Lab ID:

9912044-03A

Collection Date: 12/8/99

Analyses	Result	Limit Qua	l Units	DF	Date Analyzed
ICP METALS, 3051/6010	s	W6010B			Analyst: RK
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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	23.7	0	wt%	1	12/8/99

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

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-FL4

Lab Order:

9912044

Tag Number:

Project:

SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

Lab ID:

9912044-04A

Matrix: SOIL

Analyses	Result	Limit Qua	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	s	W6010B			Analyst: RK
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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	28.4	0	wt%	1	12/8/99

* - Value exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

9912044

Lab Order:

SA71-Railroad Roundhouse, Devens, MA

Project: Lab ID:

9912044-05A

Client Sample ID: SA71-FL4 DUP

Tag Number:

Collection Date: 12/8/99

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	SW6010B			Analyst: RK
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
PERCENT MOISTURE	Ε	02216			Analyst: MM
Percent Moisture	27.2	0	wt%	1	12/8/99

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-FL3-MS/MSD

Tag Number:

Lab Order: Project:

SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

Lab ID:

9912044-06A

9912044

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	s	W6010B			Analyst: RK
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
PERCENT MOISTURE		2216			Analyst: MM
Percent Moisture	19.7	0	wt%	1	12/8/99

^{* -} 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 Corporation 111 Herrick Street Merrimack, N.H. 03054

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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

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	
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	

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

9912069

Lab Order:

SA71-Devens MA

Project: Lab ID:

9912069-01A

Client Sample ID: SA71-S12

Tag Number:

- 1

Collection Date: 12/9/99

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	21.4	0	wt%	1	12/9/99

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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

Analyses	Result	Limit Qu	ıal Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B			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
PERCENT MOISTURE	I	D2216			Analyst: MM
Percent Moisture	13.3	0	wt%	1	12/9/99

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

9912069

Lab Order:

7712009

Project: Lab ID: SA71-Devens MA

9912069-03A

Client Sample ID: SA71-S32

Tag Number:

Collection Date: 12/9/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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

B - Analyte detected in the associated Method Blank

^{* -} Value exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits

E - Value above quantitation range

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

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			Analyst: RK
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
PERCENT MOISTURE	Đ	2216			Analyst: MM
Percent Moisture	8.4	0	wt%	1	12/9/99

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

Date: 10-Dec-99

CLIENT: Lab Order: Roy F. Weston, Inc.

9912069

Project:

SA71-Devens MA

Lab ID:

9912069-05A

Client Sample ID: SA71-S52

Tag Number:

Collection Date: 12/9/99

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	s	W6010B		<u> </u>	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	D	2216			Analyst: MM
Percent Moisture	6.1	0	wt%	1	12/9/99

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

Date: 10-Dec-99

CLIENT: Lab Order: Roy F. Weston, Inc.

9912069

Project:

SA71-Devens MA

Lab ID:

9912069-06A

Client Sample ID: SA71-HS1

Tag Number:

Collection Date: 12/9/99

Analyses	Result	Limit Qu	ıal Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			Analyst: RK
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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	33.1	0	wt%	1	12/9/99

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

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912069

Project: Lab ID:

SA71-Devens MA

9912069-07A

Client Sample ID: SA71-HS2

Tag Number:

Collection Date: 12/9/99

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	29.3	0	wt%	1	12/9/99

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:

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

Date: 17-Jan-00

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	0/99 10:56:28 AM	Prep Da	ite: 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	min [®] F · · · · · · · · · · · · · · · · · ·								
Arsenic	0.883	5									J
Lead	ND	5									

S - Spike Recovery outside accepted recovery limits

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912069

Project:

SA71-Devens MA

Date: 17-Jan-00

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912059-01AMS	Batch ID: 348	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/1	0/99 11:15:43 AM	Prep Da	ale: 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 12/1	0/99 11:18:55 AM	Prep Da	ate: 12/9/99	10.00
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	
		7.6	608	343.1	104	75	125	1096	17.5	20	

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912069

Project:

SA71-Devens MA

Date: 17-Jan-00

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-348	Batch ID: 348	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/10	0/99 11:00:12 AM	Prep Da	ate: 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			

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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 9912132-03A

S13

S33Dup

12/14/99

12/14/99

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

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			Analyst: RK
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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	3.9	0	wt%	1	12/15/99

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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:

rag ramber.

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	SW6010B			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
PERCENT MOISTURE	1	D2216			Analyst: MM
Percent Moisture	3.7	0	wt%	1	12/15/99

* - Value exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits

Date: 20-Dec-99

CLIENT: Lab Order: Roy F. Weston, Inc.

9912132

Project:

SA71-Devens

Lab ID:

9912132-03A

Client Sample ID: S13

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	s	W6010B			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	D	2216			Analyst: MM
Percent Moisture	9.7	0	wt%	1	12/15/99

^{* -} 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 Corporation 111 Herrick Street Marrimaelt All 1

Merrimack, N.H. 03054

Office: 603-424-2022 Fax: 603-429-8496

30552

CHAIN OF CUSTODY RECORD

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CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

Date: 20-Dec-99

QC SUMMARY REPORT

Method Blank

Sample ID: MB-426	Batch ID: 426	Test Code: SW6010	3 Units: mg/Kg		Analysis	s Date 12/1	5/99 3:53:37 PM	Prep D	ate: 12/15/99	
Client ID:		Run ID: ICP-OPT	IMA_991215F		SeqNo:	1068	7			
Analyte	Result	PQL SPK va	lue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	4								
Arsenic	ND	5								
Lead	ND	5								

Date: 20-Dec-99

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 12/1	5/99 4:16:32 PM	Prep Da	ate: 12/15/99	
Client ID: S33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	1069	I			
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

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	s Date 12/1	5/99	Prep D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1071	4			
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	s Date 12/1	5/99	Prep D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1072	5			
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	s Date 12/1	5/99	Prep D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1073	9			
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	s Date 12/1	5/99	Prep D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1075	0			
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 12/1	5/99	Prep Da	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1076	1			
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

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

20-Dec-99

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

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

Date: 20-Dec-99

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912132-01AMS	Batch ID: 426	Test Code	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/1	5/99 4:20:18 PM	Prep Da	ate: 12/15/99	
Client ID: \$33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10692	2			
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 12/1	5/99 4:24:04 PM	Prep Da	ate: 12/15/99	
Client ID: S33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10693	3			
									***	5551 · · ·	O1
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Quai
	Result 287	PQL 5	SPK value 499.1	SPK Ref Val	%REC 53.1	LowLimit 75	HighLimit 125	RPD Ref Val 281.2	2.48	RPDLIMIT 20	S
Antimony Arsenic											

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

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	5/99 3:57:18 PM	Prep Da	ate: 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			

S - Spike Recovery outside accepted recovery limits

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

AMRO Environmental Laboratories Corporation 111 Herrick Street

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

CHAIN OF CUSTODY RECORD

30713

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Date: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Project:

SA71 - DEVENS

Lab Order:

9912134

Date Received: 12/14/99

Work Order S	mple Summary
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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	

Date: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912134

Project:

SA71 - DEVENS

Lab ID:

9912134-01A

Client Sample ID: FL33

Tag Number:

Tag Mumber.

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed
ICP METALS, 3051/6010	·······································	W6010B			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		2216			Analyst: MM
Percent Moisture	21.1	0	wt%	1	12/15/99

* - Value exceeds Maximum Contaminant Level

E - Value above quantitation range

R - RPD outside accepted recovery limits

Date: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912134

Project:

SA71 - DEVENS

Lab ID:

9912134-02A

Client Sample ID: FL34

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			Analyst: RK
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
PERCENT MOISTURE	D	2216			Analyst: MM
Percent Moisture	22.6	0	wt%	1	12/15/99

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912134

Project: Lab ID:

SA71 - DEVENS

9912134-03A

Client Sample ID: FL43

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			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	D	2216			Analyst: MM
Percent Moisture	20.6	0	wt%	1	12/15/99

B - Analyte detected in the associated Method Blank

^{* -} Value exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits

E - Value above quantitation range

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

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
ICP METALS, 3051/6010	SW6010B				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
PERCENT MOISTURE	D2216			Analyst: MM	
Percent Moisture	20.0	0	wt%	1	12/15/99

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

20-Dec-99

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

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

Date: 20-Dec-99

QC SUMMARY REPORT

Method Blank

Sample ID: MB-426	Batch ID: 426	Test Code:	SW6010B	Units: mg/Kg		Analysis	s Date 12/15	5/99 3:53:37 PM	Prep Da	ate: 12/15/99)
Client 1D:		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									

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

Date: 20-Dec-99

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912132-01AD	Batch ID: 426	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/15	5/99 4:16:32 PM	Prep Da	ate: 12/15/99	
Client ID: S33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10691	1			
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

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	s Date 12/1	5/99	Prep D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1071	4			
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 12/1	5/99	Prep D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1072	5			
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 12/1	5/99	Prep D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	1073	9			
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 12/1	5/99	Prep Da	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		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 12/1	5/99	Prep Da	ite:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	10761	l			
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

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

Date: 20-Dec-99

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912132-01AMS	Batch ID: 426	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/1	5/99 4:20:18 PM	Prep Da	ate: 12/15/99	
Client ID: S33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10692	2			
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 12/1	5/99 4:24:04 PM	Prep Da	ate: 12/15/99	
Client ID: \$33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10693	3			
Client ID: \$33 Analyte	Result	Run ID: PQL	•	_ 991215F SPK Ref Val	%REC	SeqNo: LowLimit		RPD Ref Val	%RPD	RPDLimit	Qual
	Result 287		•	_	%REC 53.1	•			%RPD 2.48	RPDLimit	Qual S
Analyte ,		PQL	SPK value	SPK Ref Val		LowLimit	HighLimit	RPD Ref Val			

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	CS-426 Batch ID: 426 Test Code: SW6010B Units: mg/Kg Analysis Date 12/15/99 3:57:18 PM							5/99 3:57:18 PM	Prep Da	ate: 12/15/99	ļ
Client ID:		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10688	3			
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			

R - RPD outside accepted recovery limits

Merrimack, N.H. 03054

Office: 603-424-2022 Fax: 603-429-8496

CHAIN OF CUSTODY RECORD

Proj. No.	Proje	ect Name	aı	1 _	De	VEALS	Project		MAT Wate					//.	<u> </u>	PAGEOF
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APPENDIX C ANALYTICAL RESULTS OF WASTE CHARACTERIZATION

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order: Project:

9912133 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
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B	-			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-Tetrachioroethane	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

R - RPD outside accepted recovery limits

E - Value above quantitation range

S - Spike Recovery outside accepted recovery limits

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-Tetrachioroethane	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 PN
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 PN
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

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

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

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 U	nits	DF	Date Analyzed
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: SK
Dichlorodifluoromethane	ND	61	μд	/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	ı/Kg-dry	1	12/16/99 5:45:00 PM
Chloroform	ND	31	μg	/Kg-dry	1	12/16/99 5:45:00 PM
Bromochioromethane	ND	31	μ	/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	ı/Kg-dry	1	12/16/99 5:45:00 PM
Benzene	ND	31	μς	ı/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	μς	ı/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	μο	/Kg-dry	1	12/16/99 5:45:00 PM
cis-1,3-Dichloropropene	ND	31	μg	ı/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		/Kg-dry	1	12/16/99 5:45:00 PM
Tetrachloroethene	ND	31		/Kg-dry	1	12/16/99 5:45:00 PM
Dibromochloromethane	ND	31		/Kg-dry	1	12/16/99 5:45:00 PM
Chlorobenzene	ND	31		/Kg-dry	1	12/16/99 5:45:00 PM
1,1,1,2-Tetrachloroethane	ND	31		/Kg-dry	1	12/16/99 5:45:00 PM
Ethylbenzene	ND	31		/Kg-dry	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

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
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-Isopropyitoluene	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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-04A

Client Sample ID: SA71-WC04

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				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

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-04A

Client Sample ID: SA71-WC04

Tag Number:

Collection Date: 12/14/99

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

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

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
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: SK
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	1	µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromomethane	ND	81	i	µg/Kg-dry	1	12/16/99 6:57:00 PM
Trichlorofluoromethane	ND	41	1	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	1	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	i	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

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-Chiorotoluene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
4-Chiorotoluene	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

Date: 02-Feb-00

CLIENT: Lab Order:

Lab ID:

Roy F. Weston, Inc.

Q

9912133

9912133-06A

Client Sample ID: SA71-WC06

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual Uni	ts DF	Date Analyzed
VOLATILES BY GC/MS, EPA 503	5 MEDIUM-LEVE	SW8260B			Analyst: SK
Dichlorodifluoromethane	ND	89	μg/K	g-dry 1	12/16/99 7:32:00 PM
Chloromethane	ND	89	μg/K	g-dry 1	12/16/99 7:32:00 PM
Vinyl chloride	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
Chloroethane	ND	89	μg/K	g-dry 1	12/16/99 7:32:00 PM
Bromomethane	ND	89	μg/K	g-dry 1	12/16/99 7:32:00 PM
Trichlorofluoromethane	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
Acetone	ND	440	μg/K	g-dry 1	12/16/99 7:32:00 PM
1,1-Dichloroethene	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
Carbon disulfide	ND	89	μg/K	g-dry 1	12/16/99 7:32:00 PM
Methylene chloride	99	89	µg/K	g-dry 1	12/16/99 7:32:00 PM
Methyl tert-butyl ether	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
trans-1,2-Dichloroethene	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
1,1-Dichloroethane	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
2-Butanone	ND	440	μg/K	g-dry 1	12/16/99 7:32:00 PM
2,2-Dichloropropane	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
cis-1,2-Dichloroethene	ND	44	μg/K	ig-dry 1	12/16/99 7:32:00 PM
Chloroform	ND	44	µg/K	g-dry 1	12/16/99 7:32:00 PM
Bromochloromethane	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
1,1,1-Trichloroethane	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
1,1-Dichloropropene	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
Carbon tetrachloride	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
1,2-Dichloroethane	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
Benzene	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
Trichloroethene	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
1,2-Dichloropropane	ND	44	µg/K	g-dry 1	12/16/99 7:32:00 PM
Bromodichloromethane	ND	44	μg/K	ig-dry 1	12/16/99 7:32:00 PM
Dibromomethane	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
4-Methyl-2-pentanone	ND	440	μg/K	g-dry 1	12/16/99 7:32:00 PM
cis-1,3-Dichloropropene	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
Toluene	56	44	μg/K	ig-dry 1	12/16/99 7:32:00 PM
trans-1,3-Dichloropropene	ND	44		g-dry 1	12/16/99 7:32:00 PM
1,1,2-Trichloroethane	ND	44		g-dry 1	12/16/99 7:32:00 PM
1,2-Dibromoethane	ND	44	μg/K	ig-dry 1	12/16/99 7:32:00 PM
2-Hexanone	ND	440		g-dry 1	12/16/99 7:32:00 PM
1,3-Dichloropropane	ND	44		g-dry 1	12/16/99 7:32:00 PM
Tetrachloroethene	ND	44		g-dry 1	12/16/99 7:32:00 PM
Dibromochloromethane	ND	44		g-dry 1	12/16/99 7:32:00 PM
Chlorobenzene	ND	44	μg/K	g-dry 1	12/16/99 7:32:00 PM
1,1,1,2-Tetrachloroethane	ND	· 44		g-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.

Date: 02-Feb-00

CLIENT: Lab Order: Roy F. Weston, Inc.

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
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
Isopropyibenzene	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

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

- See Case Narrative

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

Date: 06-Jan-00

CLIENT: Lab Order:

Lab ID:

Roy F. Weston, Inc.

9912133

9912133-07A

Project: SA71-Devens Client Sample ID: SA71-WC07 Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project: Lab ID: SA71-Devens

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-Isopropyitoluene	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

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
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: SK
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 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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

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

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
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: SK
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-Tetrachioroethane	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

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
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

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

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order: **Project:**

9912133

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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

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

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 PN
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 PN
4-Isopropyltoluene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PN
1,3-Dichlorobenzene	ND	32		μg/Kg-dry	1	12/16/99 10:30:00 PN
1,4-Dichlorobenzene	ND	32		µg/Kg-dry	1	12/16/99 10:30:00 PN
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 PN
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 PN
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 PN
Surr: Toluene-d8	71.6	70-130		%REC	1	12/16/99 10:30:00 PN

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

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 1	Units	DF	Date Analyzed
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: SK
Dichlorodifluoromethane	ND	77	I	µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloromethane	ND	77	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
Vinyl chloride	ND	38	ı	µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloroethane	ND	77	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromomethane	ND	77	ı	µg/Kg-dry	1	12/16/99 11:05:00 PM
Trichlorofluoromethane	ND	38	i	µg/Kg-dry	1	12/16/99 11:05:00 PM
Acetone	ND	380	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloroethene	ND	38	ı	µg/Kg-dry	1	12/16/99 11:05:00 PM
Carbon disulfide	ND	77	ı	µg/Kg-dry	1	12/16/99 11:05:00 PM
Methylene chloride	ND	77	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
Methyl tert-butyl ether	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
trans-1,2-Dichloroethene	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloroethane	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
2-Butanone	ND	380	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
2,2-Dichloropropane	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
cis-1,2-Dichloroethene	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloroform	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromochloromethane	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,1-Trichloroethane	ND	38	ı	µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloropropene	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
Carbon tetrachloride	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichloroethane	ND	38	ł	µg/Kg-dry	1	12/16/99 11:05:00 PM
Benzene	40	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
Trichloroethene	ND	38	1	µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichloropropane	ND	38	1	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	1	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		ug/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dibromoethane	ND	38		ug/Kg-dry	1	12/16/99 11:05:00 PM
2-Hexanone	ND	380		ug/Kg-dry	1	12/16/99 11:05:00 PM
1,3-Dichloropropane	ND	38		ug/Kg-dry	1	12/16/99 11:05:00 PM
Tetrachloroethene	ND	38		ug/Kg-dry	1	12/16/99 11:05:00 PM
Dibromochloromethane	ND	38		ug/Kg-dry	1	12/16/99 11:05:00 PM
Chlorobenzene	ND	38		ug/Kg-dry	1	12/16/99 11:05:00 PM
1,1,1,2-Tetrachloroethane	ND	- 38		ug/Kg-dry ug/Kg-dry	1	12/16/99 11:05:00 PM
Ethylbenzene	ND	38		ug/Kg-dry ug/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

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
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 PN
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 PN
1,4-Dichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PN
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 PN
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 PN
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 PN
Surr: 4-Bromofluorobenzene	68.4	70-130	S	%REC	1	12/16/99 11:05:00 PN
Surr: Dibromofluoromethane	79.6	70-130		%REC	1	12/16/99 11:05:00 PN
Surr: Toluene-d8	74.5	70-130		%REC	1	12/16/99 11:05:00 PM

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

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
OLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: RI
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

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

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-isopropyitoluene	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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

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
SEMIVOLATILE ORGANICS, SOIL/SOLIDS	5	SW8270C				Analyst: NM
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-Chioro-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-Chioronaphthalene	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

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

00

9912133

Lab Order: 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

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

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 Q	ual 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
Pentachiorophenol	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 3:56:00 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

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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

.

9912133

SA71-Devens

Project: 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
SEMIVOLATILE ORGANICS, SOIL	SOLIDS	SW8270C			Analyst: NN
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

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

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

9912133

Lab Order: 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
SEMIVOLATILE ORGANICS, SOIL	SOLIDS	SW8270C			Analyst: NM
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-Methylnaphthaiene	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-Chioronaphthalene	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

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

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
Pentachiorophenol	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:

^{&#}x27;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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

9912133

Lab Order: Project:

Lab ID:

SA71-Devens 9912133-05C

Client Sample ID: SA71-WC05

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

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
Diethyl phthalate	ND	340	1	µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Chlorophenyl phenyl ether	ND	340	i	µg/Kg-dry	1	12/20/99 6:43:00 PM
Fluorene	ND	340	1	µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Nitroaniline	ND	670	i	µg/Kg-dry	1	12/20/99 6:43:00 PM
4,6-Dinitro-2-methylphenol	ND	670	1	µg/Kg-dry	1	12/20/99 6:43:00 PM
N-Nitrosodiphenylamine	ND	340	1	µg/Kg-dry	1	12/20/99 6:43:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	340	I	µg/Kg-dry	1	12/20/99 6:43:00 PM
4-Bromophenyl phenyl ether	ND	340	1	µg/Kg-dry	1	12/20/99 6:43:00 PM
Hexachlorobenzene	ND	340	1	µg/Kg-dry	1	12/20/99 6:43:00 PM
Pentachlorophenol	ND	670	1	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	J	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

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

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 U	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS, SOIL	/SOLIDS	SW8270C				Analyst: NM
N-Nitrosodimethylamine	ND	640	Ļ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
Phenol	ND	320	ļ.	ıg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroethyl)ether	. ND	320	Į.	ıg/Kg-dry	1	12/20/99 7:17:00 PM
2-Chlorophenol	ND	320	ļ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
1,3-Dichlorobenzene	ND	320	ļ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
1,4-Dichlorobenzene	ND	320	ļ	ug/Kg-dry	1	12/20/99 7:17:00 PM
Benzyl alcohol	ND	640	ŀ	ug/Kg-dry	1	12/20/99 7:17:00 PM
2-Methylphenol	ND	320	ŀ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
1,2-Dichlorobenzene	ND	320		ıg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroisopropyl)ether	ND	320	ŀ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
4-Methylphenol	ND	320	ŀ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
N-Nitrosodi-n-propylamine	ND	320	ŀ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachioroethane	ND	320	ŀ	.g/Kg-dry	1	12/20/99 7:17:00 PM
Nitrobenzene	ND	320	Į.	ig/Kg-dry	1	12/20/99 7:17:00 PM
Isophorone	ND	320	ŀ	ıg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dimethylphenol	ND	320	Į.	ıg/Kg-dry	1	12/20/99 7:17:00 PM
Benzoic acid	1,300	640		ug/Kg-dry	1	12/20/99 7:17:00 PM
2-Nitrophenol	ND	320	ŀ	ug/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroethoxy)methane	ND	320	ŀ	ug/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dichlorophenol	ND	320	4	ug/Kg-dry	1	12/20/99 7:17:00 PM
1,2,4-Trichlorobenzene	ND	320	1	ug/Kg-dry	1	12/20/99 7:17:00 PM
Naphthalene	680	320	ŀ	ug/Kg-dry	1	12/20/99 7:17:00 PM
4-Chloroaniline	ND	320	ı	ug/Kg-dry	1	12/20/99 7:17:00 PM
Hexachlorobutadiene	ND	320		ug/Kg-dry	1	12/20/99 7:17:00 PM
4-Chloro-3-methylphenol	ND	640	ŀ	ug/Kg-dry	1	12/20/99 7:17:00 PM
2-Methylnaphthalene	740	320	1	ug/Kg-dry	1	12/20/99 7:17:00 PM
Hexachlorocyclopentadiene	ND	320	1	ug/Kg-dry	1	12/20/99 7:17:00 PM
2,4,6-Trichlorophenol	ND	320		ug/Kg-dry	1	12/20/99 7:17:00 PM
2,4,5-Trichlorophenol	ND	320	į.	ıg/Kg-dry	1	12/20/99 7:17:00 PM
2-Chloronaphthalene	ND	320	ŀ	ug/Kg-dry	1	12/20/99 7:17:00 PM
2-Nitroaniline	ND	640		ıg/Kg-dry	1	12/20/99 7:17:00 PM
Dimethyl phthalate	ND	320		ıg/Kg-dry	1	12/20/99 7:17:00 PM
2,6-Dinitrotoluene	ND	320		ıg/Kg-dry	1	12/20/99 7:17:00 PM
Acenaphthylene	ND	320	-	ıg/Kg-dry	1	12/20/99 7:17:00 PM
3-Nitroaniline	ND	640		ıg/Kg-dry	1	12/20/99 7:17:00 PM
4-Nitrophenol	ND	640		ug/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dinitrophenol	ND	640		ıg/Kg-dry	1	12/20/99 7:17:00 PM
Acenaphthene	ND	320		ug/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dinitrotoluene	ND	320		ug/Kg-dry	1	12/20/99 7:17:00 PM
Dibenzofuran	330	320		ug/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

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

Diethyl phthalate ND 320 4-Chlorophenyl phenyl ether ND 320 Fluorene ND 320 4-Nitroaniline ND 640 4,6-Dinitro-2-methylphenol ND 640 N-Nitrosodiphenylamine ND 320 1,2-Diphenylhydrazine (as ND 320 Azobenzene) ND 320	µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 1 1 1 1 1 1	12/20/99 7:17:00 PM 12/20/99 7:17:00 PM
Fluorene ND 320 4-Nitroaniline ND 640 4,6-Dinitro-2-methylphenol ND 640 N-Nitrosodiphenylamine ND 320 1,2-Diphenylhydrazine (as ND 320 Azobenzene)	µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 1 1 1 1 1	12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM
4-Nitroaniline ND 640 4,6-Dinitro-2-methylphenol ND 640 N-Nitrosodiphenylamine ND 320 1,2-Diphenylhydrazine (as ND 320 Azobenzene)	µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 1 1 1 1	12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM
4,6-Dinitro-2-methylphenol ND 640 N-Nitrosodiphenylamine ND 320 1,2-Diphenylhydrazine (as ND 320 Azobenzene)	µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 1 1 1 1	12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM
N-Nitrosodiphenylamine ND 320 1,2-Diphenylhydrazine (as ND 320 Azobenzene)	µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 1 1 1	12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM
1,2-Diphenylhydrazine (as ND 320 Azobenzene)	µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 1 1	12/20/99 7:17:00 PM 12/20/99 7:17:00 PM 12/20/99 7:17:00 PM
Azobenzene)	µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 1 1	12/20/99 7:17:00 PM 12/20/99 7:17:00 PM
	μg/Kg-dry μg/Kg-dry μg/Kg-dry	1	12/20/99 7:17:00 PM
4-Bromophenyl phenyl ether ND 320	μg/Kg-dry μg/Kg-dry	1	
Hexachlorobenzene ND 320	μg/Kg-dry		
Pentachlorophenol ND 640	,,,,,		12/20/99 7:17:00 PM
Phenanthrene 880 320		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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

9912133

Project:

Lab ID:

SA71-Devens

9912133-07C

Client Sample ID: SA71-WC07

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

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
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

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

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

Semirolatile Organics, Soil/Solids SW8270C 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 Sis(2-chloroethyl)ether 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 1,2-Dichlorobenzene ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM	Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Phenol ND 320	SEMIVOLATILE ORGANICS, SOIL	SOLIDS	SW8270C				Analyst: NM
Bis(2-chloroethyl)ether	N-Nitrosodimethylamine	ND	630		μg/Kg-dry	1	12/20/99 8:24:00 PM
2-Chlorophenol	Phenol	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 1,2-Dichlorobenzene ND 320 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 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 N-Nitrosodi-n-propylamine ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM N-Nitrobenzene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM N-Nitrobenzene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM N-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 Bis(2-chloroethoxy)methane 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 Naphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM Naph	Bis(2-chloroethyl)ether	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	2-Chlorophenol	ND	320		μg/Kg-dry	1	12/20/99 8:24:00 PM
Benzyl alcohol	1,3-Dichlorobenzene	ND	320		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 A-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 H-exachloroethane ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM H-exachloroethane 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 2.4-Dimethylphenol 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 2.4-Dichlorophenol ND <t< td=""><td>1,4-Dichlorobenzene</td><td>ND</td><td>320</td><td></td><td>µg/Kg-dry</td><td>1</td><td>12/20/99 8:24:00 PM</td></t<>	1,4-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
1,2-Dichlorobenzene	Benzyl alcohol	ND	630		μg/Kg-dry	1	12/20/99 8:24:00 PM
Bis(2-chloroisopropyl)ether	2-Methylphenol	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-Nitrosodin-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 Benzoic acid ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM Eenzoic acid ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM Eenzoic acid ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM Eenzoic acid ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM 2,4-Erichlorophenol ND 320 μg/Kg-dry	1,2-Dichlorobenzene	ND	320		μg/Kg-dry	1	12/20/99 8:24:00 PM
N-Nitrosodi-n-propylamine ND 320	Bis(2-chloroisopropyl)ether	ND	320		μg/Kg-dry	1	12/20/99 8:24:00 PM
Hexachloroethane	4-Methylphenol	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 12/20/99 8:24:00 PM 2,4-Dimethylphenol 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 2-A-Dimethylphenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-A-Dimethylphenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-A-Dimethylphenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 1,2,4-Trichlorophenol 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 1,2,4-Trichlorobenzene ND 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 4-Chloro-a-methylphenol 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 4-Chloro-3-methylphenol ND 630 µg/Kg-dry 1 12/20/99 8:24:00 PM 4-Chloro-3-methylphenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 4-Chloro-3-me	N-Nitrosodi-n-propylamine	ND	320		μg/Kg-dry	1	12/20/99 8:24:00 PM
Isophorone	Hexachloroethane	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-Dinitrophenol 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 4-Chloroaniline ND 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 4-Chloroaniline ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 4-Chloro-3-methylphenol 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 4-Chloro-3-methylphenol ND 630 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 4-Chloro-3-methylphenol 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 4-Chloro-3-methylphenol ND	Nitrobenzene	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 4-Chloro-3-methylphenol 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 4-Chloro-3-methylphenol ND 630 μg/Kg-dry 1 12/20/99 8:24:00 PM 4-Chloro-3-methylphenol ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM 4-Machyliphylphenol ND </td <td>Isophorone</td> <td>ND</td> <td>320</td> <td></td> <td>μg/Kg-dry</td> <td>1</td> <td>12/20/99 8:24:00 PM</td>	Isophorone	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 4-Chloroa-methylphenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 4-Chloro-s-methylphenol ND 630 µg/Kg-dry 1 12/20/99 8:24:00 PM 4-Chloro-s-methylphenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 4-Chloro-s-methylphenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Mexity inspection in the propertion of th	2,4-Dimethylphenol	ND	320		µg/Kg-dry	1	12/20/99 8:24:00 PM
2-Nitrophenol ND 320	Benzoic acid	ND	630			1	12/20/99 8:24:00 PM
Bis(2-chloroethoxy)methane	2-Nitrophenol	ND	320			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-Chloroanilline 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 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 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-A,5-Trichlorophenol ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Chloroaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Nitroaniline ND	Bis(2-chloroethoxy)methane	ND	320		-	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 4-Chloro-3-methylphenol ND 320 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 2-Methylnaphthalene MD 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-A,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	2,4-Dichlorophenol	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 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-Methylnaphthalene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2-A,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 2,6-Dinitrotoluene ND	1,2,4-Trichlorobenzene	ND	320		-	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 2-Methylnaphthalene ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM 2-Methylnaphthalene ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM 2-A,6-Trichlorophenol ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM 2-A,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 2,6-Dinitrotoluene ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM Acenaphthylene ND	Naphthalene	340	320		-	1	12/20/99 8:24:00 PM
HexachlorobutadieneND320μg/Kg-dry112/20/99 8:24:00 PM4-Chloro-3-methylphenolND630μg/Kg-dry112/20/99 8:24:00 PM2-Methylnaphthalene450320μg/Kg-dry112/20/99 8:24:00 PMHexachlorocyclopentadieneND320μg/Kg-dry112/20/99 8:24:00 PM2,4,6-TrichlorophenolND320μg/Kg-dry112/20/99 8:24:00 PM2,4,5-TrichlorophenolND320μg/Kg-dry112/20/99 8:24:00 PM2-ChloronaphthaleneND320μg/Kg-dry112/20/99 8:24:00 PM2-NitroanilineND630μg/Kg-dry112/20/99 8:24:00 PMDimethyl phthalateND320μg/Kg-dry112/20/99 8:24:00 PM2,6-DinitrotolueneND320μg/Kg-dry112/20/99 8:24:00 PMAcenaphthyleneND320μg/Kg-dry112/20/99 8:24:00 PM3-NitroanilineND630μg/Kg-dry112/20/99 8:24:00 PM4-NitrophenolND630μg/Kg-dry112/20/99 8:24:00 PM2,4-DinitrophenolND630μg/Kg-dry112/20/99 8:24:00 PM2,4-DinitrotolueneND320μg/Kg-dry112/20/99 8:24:00 PM2,4-DinitrotolueneND320μg/Kg-dry112/20/99 8:24:00 PM2,4-DinitrotolueneND320μg/Kg-dry112/20/99 8:24:00 PM	4-Chloroaniline	ND	320		-	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 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-Dinitrotoluene ND	Hexachlorobutadiene	ND	320		-	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 320 µg/Kg-dry 1 12/20/99 8:24:00 PM 2,4-Dinitroto	4-Chloro-3-methylphenol	ND	630			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 320 μg/Kg-dry 1 12/20/99 8:24:00 PM 2,4-Dinitrotoluene ND 3	2-Methylnaphthalene	450	320		-	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 320 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	Hexachlorocyclopentadiene	ND	320			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 320 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 2,4-Dinitrotoluene ND 320 μg/Kg-dry 1 12/20/99 8:24:00 PM	2,4,6-Trichlorophenol	ND	320			1	12/20/99 8:24:00 PM
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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	2-Chloronaphthalene	ND	320			1	12/20/99 8:24:00 PM
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2,4-Dinitrotoluene ND 320 µg/Kg-dry 1 12/20/99 8:24:00 PM							
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							-

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

9912133

Lab Order: 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 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
Pentachiorophenol	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

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
SEMIVOLATILE ORGANICS, SOIL/S	OLIDS	SW8270C				Analyst: NM
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-Chiorophenol	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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

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 Q	ual 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

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 l	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS, SOIL/SO	LIDS	SW8270C				Analyst: NM
N-Nitrosodimethylamine	ND	780	ŀ	ug/Kg-dry	1	12/20/99 9:31:00 PM
Phenol	560	390	Į.	ug/Kg-dry	1	12/20/99 9:31:00 PM
Bis(2-chloroethyl)ether	· ND	390	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
2-Chlorophenol	ND	390	ı	ug/Kg-dry	1	12/20/99 9:31:00 PM
1,3-Dichlorobenzene	ND	390		ug/Kg-dry	1	12/20/99 9:31:00 PM
1,4-Dichlorobenzene	ND	390	Į.	ug/Kg-dry	1	12/20/99 9:31:00 PM
Benzyl alcohol	ND	780	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
2-Methylphenol	460	390	ı	ug/Kg-dry	1	12/20/99 9:31:00 PM
1,2-Dichlorobenzene	ND	390	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
Bis(2-chloroisopropyl)ether	ND	390	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
4-Methylphenoi	920	390		µg/Kg-dry	1	12/20/99 9:31:00 PM
N-Nitrosodi-n-propylamine	ND	390	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
Hexachloroethane	ND	390		ug/Kg-dry	1	12/20/99 9:31:00 PM
Nitrobenzene	ND	390	i i	ug/Kg-dry	1	12/20/99 9:31:00 PM
Isophorone	ND	390		ug/Kg-dry	. 1	12/20/99 9:31:00 PM
2,4-Dimethylphenol	ND	390	1	ug/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	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
Bis(2-chloroethoxy)methane	ND	390	ı	ug/Kg-dry	1	12/20/99 9:31:00 PM
2,4-Dichlorophenol	ND	390	ı	µg/Kg-dry	1	12/20/99 9:31:00 PM
1,2,4-Trichlorobenzene	ND	390	1	µg/Kg-dry	1	12/20/99 9:31:00 PM
Naphthalene	1,700	390	ı	ug/Kg-dry	1	12/20/99 9:31:00 PM
4-Chloroaniline	ND	390	ı	ug/Kg-dry	1	12/20/99 9:31:00 PM
Hexachlorobutadiene	ND	390	ŀ	ug/Kg-dry	1	12/20/99 9:31:00 PM
4-Chloro-3-methylphenol	ND	780	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
2-Methylnaphthalene	2,100	390	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
Hexachlorocyclopentadiene	ND	390	ı	ug/Kg-dry	1	12/20/99 9:31:00 PM
2,4,6-Trichlorophenol	ND	390	ŀ	ug/Kg-dry	1	12/20/99 9:31:00 PM
2,4,5-Trichlorophenol	ND	390	ŀ	ug/Kg-dry	1	12/20/99 9:31:00 PM
2-Chloronaphthalene	ND	390	ļ	ug/Kg-dry	1	12/20/99 9:31:00 PM
2-Nitroaniline	ND	780	ŀ	ug/Kg-dry	1	12/20/99 9:31:00 PM
Dimethyl phthalate	ND	390	ļ	ug/Kg-dry	1	12/20/99 9:31:00 PM
2,6-Dinitrotoluene	ND	390		ug/Kg-dry	1	12/20/99 9:31:00 PM
Acenaphthylene	ND	390	1	ug/Kg-dry	1	12/20/99 9:31:00 PM
3-Nitroaniline	ND	780		ug/Kg-dry	1	12/20/99 9:31:00 PM
4-Nitrophenol	ND	780		ug/Kg-dry	1	12/20/99 9:31:00 PM
2,4-Dinitrophenol	ND	780		ug/Kg-dry	1	12/20/99 9:31:00 PM
Acenaphthene	ND	390		ug/Kg-dry	1	12/20/99 9:31:00 PM
2,4-Dinitrotoluene	ND	390	-	ug/Kg-dry	1	12/20/99 9:31:00 PM
Dibenzofuran	1,600	390		ug/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

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 Q	ual 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
Pentachiorophenol	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

38-90

42-92

%REC

%REC

Qualifiers:

Surr: Nitrobenzene-d5

Surr: Phenol-d5

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

61.8

63.4

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

1

12/20/99 9:31:00 PM

12/20/99 9:31:00 PM

R - RPD outside accepted recovery limits

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
SEMIVOLATILE ORGANICS, SOIL/SO	DLIDS	SW8270C				Analyst: NM
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-Chlorophenoi	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-Chioro-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

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

^{* -} Value exceeds Maximum Contaminant Level

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
Hexachiorobenzene	ND	300	µg/Kg-dry	1	12/21/99 3:49:00 PM
Pentachiorophenol	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
Benzidine	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

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:

9912133-12C

Matrix: SOIL

Analyses	Result	Limit	Qual Ur	its	DF	Date Analyzed
SEMIVOLATILE ORGANICS, SOIL/S	OLIDS	SW8270C				Analyst: NM
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	μди	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		Kg-dry	1	12/21/99 4:23:00 PM
3-Nitroaniline	ND	600		Kg-dry	1	12/21/99 4:23:00 PM
4-Nitrophenol	ND	600		Kg-dry	1	12/21/99 4:23:00 PM
2,4-Dinitrophenol	ND	600		Kg-dry	1	12/21/99 4:23:00 PM
Acenaphthene	ND	300		Kg-dry	1	12/21/99 4:23:00 PM
2,4-Dinitrotoluene	ND	300		Kg-dry	1	12/21/99 4:23:00 PM
Dibenzofuran	520	300		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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

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 Qu	al 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
Pentachiorophenol	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

Date: 03-Feb-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

SA71-Devens

Project: Lab ID:

9912133-01C

Client Sample ID: SA71-WC01

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual U	nits	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES	S	W8081A				Analyst: KEN
alpha-BHC	ND	4.8	μg	g/Kg-dry	5	01/03/00
beta-BHC	ND	4.8	μg	/Kg-dry	5	01/03/00
delta-BHC	ND	4.8	μg	g/Kg-dry	5	01/03/00
gamma-BHC	ND	4.8	þģ	g/Kg-dry	5	01/03/00
Heptachlor	ND	4.8	μg	g/Kg-dry	5	01/03/00
Aldrin	ND	4.8	μο	ı/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.8	μς	g/Kg-dry	5	01/03/00
Endosulfan I	ND	4.8	μς	/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.8	μg	g/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.8	μg	J/Kg-dry	5	01/03/00
Dieldrin	ND	9.7	μς	g/Kg-dry	5	01/03/00
4,4'-DDE	15	9.7	μς	/Kg-dry	5	01/03/00
Endrin	ND	9.7	μς	J/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	g/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.7	μς	J/Kg-dry	5	01/03/00
Endrin ketone	ND	9.7	μg	g/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.7	μg	J/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.7	μg	g/Kg-dry	5	01/03/00
Methoxychlor	ND	48	μg	ı/Kg-dry	5	01/03/00
Technical Chlordane	ND	150	μς	/Kg-dry	5	01/03/00
Toxaphene	ND	150	μο	/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
PCBS BY EPA8082	S	W8082				Analyst: RAP
Aroclor 1016	ND	30	μg	ı/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1221	ND	30	μg	g/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	μο	/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

Date: 03-Feb-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

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SA71-Devens

Project: 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
ORGANOCHLORINE PESTICIDES		SW8081A				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
PCBS BY EPA8082		SW8082				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

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
ORGANOCHLORINE PESTICIDES		SW8081A				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
Methoxychior	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
PCBS BY EPA8082		SW8082				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

Date: 03-Feb-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project: Lab ID: SA71-Devens

9912133-04C

Client Sample ID: SA71-WC04

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				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
PCBS BY EPA8082		SW8082				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

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
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: KEM
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
PCBS BY EPA8082		SW8082				Analyst: RAP
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
Arocior 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

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

Date: 03-Feb-00

CLIENT: Lab Order: Roy F. Weston, Inc.

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
ORGANOCHLORINE PESTICIDES		SW8081A				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	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
PCBS BY EPA8082		SW8082				Analyst: RAP
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

R - RPD outside accepted recovery limits

E - Value above quantitation range

S - Spike Recovery outside accepted recovery limits

- See Case Narrative

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
ORGANOCHLORINE PESTICIDES	\$	SW8081A				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
PCBS BY EPA8082	S	W8082				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

Date: 03-Feb-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

SA71-Devens

Project: 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
ORGANOCHLORINE PESTICIDES		SW8081A				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
PCBS BY EPA8082		SW8082				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

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-WC09

Lab Order:

9912133

Tag Number:

Project: Lab ID: SA71-Devens 9912133-09C Collection Date: 12/14/99

Matrix: SOIL

Date: 03-Feb-00

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: KEM
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
PCBS BY EPA8082		SW8082				Analyst: RAP
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

 \boldsymbol{B} - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

- See Case Narrative

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
ORGANOCHLORINE PESTICIDES		SW8081A				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
PCBS BY EPA8082		SW8082				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

Date: 03-Feb-00

CLIENT: Lab Order: Roy F. Weston, Inc.

...,

Project:

9912133

Lab ID:

SA71-Devens 9912133-11C

Client Sample ID: SA71-WC11

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				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
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	30		μg/Kg-dry	1	12/23/99 4:07:00 PM
Arocior 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

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

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
ORGANOCHLORINE PESTICIDES		SW8081A				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
PCBS BY EPA8082		SW8082				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

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

SA71-Devens

Project: Lab ID:

9912133-01B

Client Sample ID: SA71-WC01

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY Ignitability	>200	W1010		•E	4	Analyst: RK

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

SA71-Devens

Project: Lab ID:

9912133-02B

Client Sample ID: SA71-WC02

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit Qu	ıal Units	DF	Date Analyzed
IGNITABILITY	S	W1010			Analyst: RK
Ignitability	>200	0	• F	1	12/16/99

R - RPD outside accepted recovery limits

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
ICP METALS, 3051/6010		SW6010B			-	Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	170	40		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.11	0.030		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	25.0	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
PH/CORROSIVITY IN SOIL		SW9045C				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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

9912133

Project:

SA71-Devens

Lab ID:

9912133-03B

Client Sample ID: SA71-WC03

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
IGNITABILITY	S	W1010			Analyst: RK
Ignitability	>200	0	°F	1	12/16/99

R - RPD outside accepted recovery limits

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
ICP METALS, 3051/6010		SW6010B				Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS	S)	E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	71	34		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.14	0.026		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	13.8	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFN
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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-04B

Client Sample ID: SA71-WC04

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual Un	nits	DF	Date Analyzed
IGNITABILITY	S	W1010				Analyst: RK
Ignitability	>200	0	• F		1	12/16/99

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

9912133

Project:

SA71-Devens

Lab ID:

9912133-04C

Client Sample ID: SA71-WC04

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B		-		Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	110	37		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.12	0.031		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	20.6	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFM
pH	4.6	0		pH Units	1	12/15/99

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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

9912133

Project:

SA71-Devens

Lab ID:

9912133-05B

Client Sample ID: SA71-WC05

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY	S	W1010				Analyst: RK
Ignitability	>200	0		°F	1	12/16/99

R - RPD outside accepted recovery limits

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B			-	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
TPH/IR (MODIFIED FOR SOILS/SOLIDS))	E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	ND	41		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.076	0.032		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	26.6	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/16/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFN
pH	4.8	0		pH Units	1	12/15/99

B - Analyte detected in the associated Method Blank

^{* -} Value exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits

E - Value above quantitation range

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

Analyses	Result	Limit Qu	ual Units	DF	Date Analyzed
IGNITABILITY Ignitability	>200	W1010 0	° F	1	Analyst: RK 12/16/99

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B				Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)	E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	88	38		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.098	0.030		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	22.3	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFM
pH	4.5	0		pH Units	1	12/15/99

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-07B

Client Sample ID: SA71-WC07

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
IGNITABILITY	S	W1010			Analyst: RK
Ignitability	>200	0	°F	1	12/16/99

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B			•	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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	68	35		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.17	0.028		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	17.3	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1 -	12/21/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFM
pH	5.0	0		pH Units	1	12/15/99

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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

Client Sample ID: SA71-WC08

Tag Number:

Collection Date: 12/14/99

Project: Lab ID: SA71-Devens 9912133-08B

9912133

Analyses	Result	Limit Qu	al Units	DF	Date Analyzed	
IGNITABILITY	S	W1010		Analyst: RK		
Ignitability	>200	0	• F	1	12/16/99	

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

9912133

SA71-Devens

Project: Lab ID:

9912133-08C

Client Sample ID: SA71-WC08

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B				Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	130	37		mg/Kg-dry	1	12/17/99
MERCURY, SOIL	SW7471					Analyst: GM
Mercury	0.15	0.028		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	21.3	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFN
pH	4.9	0		pH Units	1	12/15/99

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

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

9912133

Project:

SA71-Devens

Lab ID:

9912133-09B

Client Sample ID: SA71-WC09

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
IGNITABILITY	s	W1010			Analyst: RK
Ignitability	>200	0	°F	1	12/16/99

R - RPD outside accepted recovery limits

E - Value above quantitation range

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:

9912133-09C

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CP METALS, 3051/6010		SW6010B				Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	400	34		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.42	0.027		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	16.0	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFN
pH	4.5	0		pH Units	1	12/15/99

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-10B

Client Sample ID: SA71-WC10

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
IGNITABILITY Ignitability	>200	W1010	• F	1	Analyst: RK 12/16/99

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

9912133

Project:

SA71-Devens

Lab ID:

9912133-10C

Client Sample ID: SA71-WC10

Tag Number:

Collection Date: 12/14/99

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

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

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:

9912133-11B

Analyses	Result	Limit Qua	l Units	DF	Date Analyzed
IGNITABILITY Ignitability	>200	W1010 0	°F	1	Analyst: RK 12/16/99

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B				Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	190	37		mg/Kg-dry	1	12/17/99
MERCURY, SOIL	SW7471				Analyst: GM	
Mercury	0.24	0.027		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	18.9	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFM
pH	4.4	0		pH Units	1	12/15/99

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

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
IGNITABILITY Ignitability	>200	W1010 0		°F	1	Analyst: RK 12/16/99

R - RPD outside accepted recovery limits

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010		SW6010B				Analyst: RK
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
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1		•		Analyst: JA
Petroleum Hydrocarbons, TR	220	36		mg/Kg-dry	1	12/17/99
MERCURY, SOIL	SW7471					Analyst: GM
Mercury	0.15	0.028		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	18.0	0		wt%	1	12/15/99
CYANIDE, REACTIVE		SW7.3.3.2				Analyst: GM
Reactive Cyanide	ND	10		mg/Kg-dry	1	12/22/99
SULFIDE, REACTIVE		SW7.3.4.2				Analyst: JA
Reactive Sulfide	ND	50		mg/Kg-dry	1	12/21/99
PH/CORROSIVITY IN SOIL		SW9045C				Analyst: CFM
pH	4.5	0		pH Units	1	12/15/99

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

Complete.	CH SI-ID	Callanda - Dada		The A Name	TCI D Date	Dran Data	Analysis Date
Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep 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

06-Jan-00

Lab Order:

9912133

Client:

Roy F. Weston, Inc.

Project:

SA71-Devens

Sample ID	Client Sample 1D	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

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

06-Jan-00

Lab Order:

9912133

Client:

Roy F. Weston, Inc.

Project:

SA71-Devens

Analysis Date	Prep Date	TCLP Date	Test Name	Matrix	Collection Date	Client Sample ID	Sample ID
12/16/99	12/14/99		VOLATILES by GC/MS, Medium-Level	Soil	12/14/99	SA71-WC08	9912133-08A
12/16/99			Ignitability				9912133-08B
12/22/99			Cyanide, Reactive				9912133-08C
12/23/99	12/21/99		ICP METALS, 3051/6010				
12/17/99	12/16/99		MERCURY, Soil				
1/3/00	12/28/99		ORGANOCHLORINE PESTICIDES				
12/22/99			PCBS IN SOIL/SOLIDS				
12/15/9			Percent Moisture				
12/15/99			pH/Corrosivity in Soil				
12/20/9	12/17/99		SEMIVOLATILE ORGANICS, Soil/Solids				
12/21/99			Sulfide, Reactive				
12/17/99			TPH/IR (Modified for Soils/Solids)				
12/16/9	12/14/99		VOLATILES by GC/MS, Medium-Level			SA71-WC09	9912133-09A
12/16/9			Ignitability				9912133-09B
12/22/9			Cyanide, Reactive				9912133-09C
12/23/9	12/21/99		ICP METALS, 3051/6010				
12/17/99	12/16/99		MERCURY, Soil				
1/3/0	12/28/99		ORGANOCHLORINE PESTICIDES				
12/23/9			PCBS IN SOIL/SOLIDS				
12/15/9			Percent Moisture		•		
12/15/9			pH/Corrosivity in Soil				
12/20/9	12/17/99		SEMIVOLATILE ORGANICS, Soil/Solids				
12/21/9			Sulfide, Reactive				
12/17/9			TPH/IR (Modified for Soils/Solids)				
12/16/9	12/14/99		VOLATILES by GC/MS, Medium-Level			SA71-WC10	9912133-10A
12/16/9			Ignitability				9912133-10B
12/22/9			Cyanide, Reactive				9912133-10C
12/23/9	12/21/99		ICP METALS, 3051/6010				

Lab Order:

9912133

Client:

Roy F. Weston, Inc.

Project:

SA71-Devens

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

06-Jan-00

Lab Order:

9912133

Client:

Roy F. Weston, Inc.

Project:

SA71-Devens

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

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	s Date 12/1	6/99 3:59:00 PM	Prep D	ate 12/14/99	•
Client ID:		Run ID:	V-2_991224A			SeqNo:	1325	0			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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

Roy F. Weston, Inc. CLIENT: **QC SUMMARY REPORT** 9912133 Work Order: Method Blank Project: SA71-Devens 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 25 ND 2-Hexanone ND 250 1,3-Dichloropropane ND 25 Tetrachloroethene ND 25 Dibromochloromethane 25 ND Chlorobenzene ND 25 1,1,1,2-Tetrachloroethane ND 25 Ethylbenzene ND 25 m,p-Xylene ND 25 o-Xylene 25 ND Styrene ND 25 Bromoform 25 ND 25 isopropylbenzene ND 1,1,2,2-Tetrachloroethane 25 ND 25 1,2,3-Trichloropropane ND Bromobenzene 25 ND 25 n-Propylbenzene ND 2-Chlorotoluene 25 ND 4-Chlorotoluene ND 25 1,3,5-Trimethylbenzene 25 ND 25 tert-Butylbenzene ND 1,2,4-Trimethylbenzene ND 25 sec-Butylbenzene 25 ND 4-Isopropyltoluene ND 25 25 1.3-Dichlorobenzene ND 25 1,4-Dichlorobenzene ND n-Butylbenzene ND 25

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

CLIENT: Work Order: Project:	- Roy F. Weston, Inc. 9912133 SA71-Devens								QC SUMM.	ARY REPORT Method Blank
1,2-Dichlorobenze	ene	ND	25							
1,2-Dibromo-3-chl	loropropane	ND	50							
1,2,4-Trichloroben	nzene	ND	25	,						
Hexachlorobutadie	ene	ND	25							
Naphthalene		ND	25							
1,2,3-Trichloroben	nzene	34.5	25							
Surr: Dibromofl	luoromethane	2330	25	2500	0	93.2	70	130	0	
Surr: 1,2-Dichlo	proethane-d4	2120	25	2500	0	84.8	70	130	0	
Surr: Toluene-d	18	2236	25	2500	0	89.4	70	130	0	
Surr: 4-Bromoff	luorobenzene	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

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	s Date 12/2	8/99 7:05:00 PM	Prep Da	ate 12/27/99	+
Client ID:		Run ID:	V-1_991229B			SeqNo:	1389	7			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Dichlorodifluoromethane	ND	50									
Chloromethane	ND	50									
Vinyl chloride	ND	25									
Chloroethane	ND	50									
Bromomethane	DN	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.

QC SUMMARY REPORT Work Order: 9912133 Method Blank SA71-Devens Project: 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 25 ND Chlorobenzene 25 ND 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 25 ND 1,2,3-Trichloropropane ND 25 Bromobenzene ND 25 n-Propylbenzene ND 25 2-Chlorotoluene 25 ND 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 25 ND n-Butylbenzene ND 25 1,2-Dichlorobenzene ND 25 1,2-Dibromo-3-chloropropane 50 ND Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

CLIENT:

Roy F. Weston, Inc.

J - Analyte detected below quantitation limits

CLIENT: Work Order:	Roy F. Weston, Inc. 9912133								QC SUMMA	RY REPORT
Project:	SA71-Devens									Method Blank
1,2,4-Trichloroben	nzene	ND	25							
Hexachlorobutadie	en e	ND	25							
Naphthalene		ND	25							
1,2,3-Trichloroben	nzene	ND	25							
Surr: Dibromofl	uoromethane	2472	25	2500	0	98.9	70	130	0	
Surr: 1,2-Dichlo	proethane-d4	2549	25	2500	0	102	70	130	0	
Surr: Toluene-d	18	2560	25	2500	0	102	70	130	0	
Surr: 4-Bromofl	luorobenzene	2487	25	2500	0	99.5	70	130	0	

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

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 12/1	6/99 11:41:00 PM	Prep Da	ate 12/14/99	
Client ID: SA71-WC12		Run ID:	V-2_991224A			SeqNo:	1326	3			
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 12/1	7/99 12:16:00 AM	Prep Da	ate 12/14/99	
Client ID: SA71-WC12		Run ID:	V-2_991224A			SeqNo:	1326	1			
Analyte	Result	RL	SPK value	SPK Ref Val		I assist	Wight imit		0/ 000	RPDLimit	Qual
4 4 Dishlara shara			0	SEV Kei Agi	%REC	LowLimit	nightiniit	RPD Ref Val	%RPD	KPDLIIIII	Quu.
1,1-Dichloroethene	825.7	38	769.2	0	%REC 107	70	130	890.7	7.57	25	
Benzene	825.7 846.9	38 38	-								400 1
•			769.2	0	107	70	130	890.7	7.57	25	
Benzene	846.9	38	769.2 769.2	0 40.38	107 105	70 70	130 130	890.7 885.3	7.57 4.44	25 25	Qua .
Benzene Trichloroethene	846.9 710.3	38 38	769.2 769.2 769.2	0 40.38 0	107 105 92.4	70 70 70	130 130 130	890.7 885.3 784.2	7.57 4.44 9.88	25 25 25	Qual
Benzene Trichloroethene Toluene	846.9 710.3 804.9	38 38 38	769.2 769.2 769.2 769.2	0 40.38 0 69.61	107 105 92.4 95.6	70 70 70 70	130 130 130 130	890.7 885.3 784.2 852.2	7.57 4.44 9.88 5.71	25 25 25 25	QU .
Benzene Trichloroethene Toluene Chlorobenzene	846.9 710.3 804.9 808	38 38 38 38	769.2 769.2 769.2 769.2 769.2	0 40.38 0 69.61	107 105 92.4 95.6 105	70 70 70 70 70	130 130 130 130 130	890.7 885.3 784.2 852.2 821.9	7.57 4.44 9.88 5.71 1.7	25 25 25 25 25 25	
Benzene Trichloroethene Toluene Chlorobenzene Surr: Dibromofluoromethane	846.9 710.3 804.9 808 3067	38 38 38 38 38	769.2 769.2 769.2 769.2 769.2 3846	0 40.38 0 69.61 0	107 105 92.4 95.6 105 79.7	70 70 70 70 70 70	130 130 130 130 130 130	890.7 885.3 784.2 852.2 821.9 3227	7.57 4.44 9.88 5.71 1.7	25 25 25 25 25 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

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	9/99 3:37:00 AM	Prep Da	ite 12/20/99	
Client ID:		Run ID:	V-1_991229B			SeqNo:	13911	l .			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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	<u> </u>	Analysis	Date 12/2	9/99 4:16:00 AM	Prep Da	ate 12/20/99	
Client ID:		Run ID:	V-1_991229B			SeqNo:	1391	2			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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	
Comm 4 2 Diablementh and 44	2229	24	2411	0	92.4	70	130	2300	0	0	
Surr: 1,2-Dichloroethane-d4											
Surr: Toluene-d8	2343	24	2411	0	97.2	70	130	2332	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

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

Date: 01-Feb-00

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID Ics 12/14/99	Batch ID: R971	Test Code:	SW8260B	Units: µg/Kg		Analysis	Date 12/1	6/99 2:48:00 PM	Prep Da	ate 12/14/99	
Client ID:		Run ID:	V-2_991224A			SeqNo:	13249	9			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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 12/2	8/99 5:54:00 PM	Prep D	ate 12/27/09	
Client ID:		Run ID:	V-1_991229B			SeqNo:	1389	6			
Analyte											Qua
	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
1,1-Dichloroethene	Result 453	RL 25	SPK value 500	SPK Ref Val	%REC 90.6	LowLimit 70	HighLimit 130	RPD Ref Val	%RPD	RPDLimit	Qua
									%RPD	RPDLimit	Qua
1,1-Dichloroethene	453	25	500	0	90.6	70	130		%RPD	RPDLimit	Qua
1,1-Dichloroethene Benzene	453 485.8	25 25	500 500	0	90.6 97.2	70 70	130 130	0	%RPD	RPDLimit	Qua
1,1-Dichloroethene Benzene Trichloroethene	453 485.8 417.3	25 25 25	500 500 500	0 0 0	90.6 97.2 83.5	70 70 70	130 130 130	0	%RPD	RPDLimit	Qua
1,1-Dichloroethene Benzene Trichloroethene Toluene	453 485.8 417.3 462.5	25 25 25 25	500 500 500 500	0 0 0 0	90.6 97.2 83.5 92.5	70 70 70 70	130 130 130 130	0	%RPD	RPDLimit	Qua
1,1-Dichloroethene Benzene Trichloroethene Toluene Chlorobenzene	453 485.8 417.3 462.5 469.2	25 25 25 25 25 25	500 500 500 500 500	0 0 0 0	90.6 97.2 83.5 92.5 93.8	70 70 70 70 70	130 130 130 130 130	0 0 0 0	%RPD	RPDLimit	Qua
1,1-Dichloroethene Benzene Trichloroethene Toluene Chlorobenzene Surr: Dibromofluoromethane	453 485.8 417.3 462.5 469.2 2348	25 25 25 25 25 25 25	500 500 500 500 500 2500	0 0 0 0 0	90.6 97.2 83.5 92.5 93.8 93.9	70 70 70 70 70 70	130 130 130 130 130 130	0 0 0 0 0	%RPD	RPDLimit	Qua

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

Date: 01-Feb-00

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 12/2	0/99 12:36:00 PM	Prep Da	ate 12/17/99)
Client ID:		Run ID:	SV-3_991220	Α		SeqNo:	1204	2			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
N-Nitrosodimethylamine	ND	500	The state of the s		articologica and the adaptive T a colonian designation of T	Millio Andrews againg Milliodelle - maps of garagement					
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			4						
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. **QC SUMMARY REPORT** 9912133 Work Order: Method Blank SA71-Devens Project: Hexachlorocyclopentadiene ND 250 2,4,6-Trichlorophenol ND 250 2,4,5-Trichlorophenol ND 250 2-Chloronaphthalene 250 ND 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 250 ND Diethyl phthalate ND 250 4-Chlorophenyl phenyl ether 250 ND 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 Benzidine 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

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

J - Analyte detected below quantitation limits

CLIENT:	Roy F. Weston, Inc.								QC SUMMARY REPOR	т
Work Order:	9912133									
Project:	SA71-Devens								Method Bla	nk
3,3'-Dichlorobenzi	idine	ND	250							
Benz(a)anthracen	е	ND	250							
Chrysene		ND	250							
Di-n-octyl phthalat	te	ND	250							
Benzo(b)fluoranth	ene	ND	250							
Benzo(k)fluoranthe	ene	ND	250							
Benzo(a)pyrene		ND	250							
Dibenz(a,h)anthra	cene	ND	250							
Indeno(1,2,3-cd)p	yrene	ND	250							
Benzo(g,h,i)peryle	ene	ND	250							
Surr: 2-Fluoropi	henoi	2380	50	3733	0	63.8	37	85	0	
Surr: Phenol-d5	5	2590	50	3733	0	69.4	42	92	0	
Surr: Nitrobenz	ene-d5	1619	50	2489	0	65	38	90	0	
Surr: 2-Fluorob	iphenyl	1765	50	2489	0	70.9	44	94	0	
Surr: 2,4,6-Trib	romophenol	2535	50	3733	0	67.9	40	103	0	
Surr: 4-Terpher	nyl-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 pointitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

Date: 01-Feb-00

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID 9912133-03CMS	Batch ID: 448	Test Code	SW8270C	Units: µg/Kg-dry		Analysis	Date 12/2	0/99 5:03:00 PM	Prep D	ate 12/17/99)
Client ID: SA71-WC03		Run ID:	SV-3_991220	A		SeqNo:	1205	0			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Phenoi	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-propyłamine	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

* - Value exceeds Maximum Contaminant Level

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 12/2	0/99 5:37:00 PM	Prep Da	ate 12/17/99	į
Client ID: SA71-WC03		Run ID:	SV-3_991220	A		SeqNo:	1205	1			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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	

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

Date: 01-Feb-00

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID LCS-448	Batch ID: 448	Test Code:	SW8270C	Units: µg/Kg		Analysis	Date 12/2	0/99 1:09:00 PM	Prep D	ate 12/17/99	i
Client ID:		Run ID:	SV-3_991220	A		SeqNo:	1204	3			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Quai
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			
Pentachiorophenol	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

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

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		Analysi	s Date 01/0	3/2000	Prep D	ate 12/28/19	99
Client ID:		Run ID:	GC-TRENT_0	00103A		SeqNo	1525	5			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
alpha-BHC	ND	0.79				A	de August Villa III e e e Pales nova IIII has a esperi		2,000 og 2 1935 ,000 og <u>2 200</u>		
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									
Methoxychior	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

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 12/2:	2/99 11:16:00 PM	Prep Da	ate 12/15/99)
Client ID:		Run ID:	GC-ELVIS_9	91223D		SeqNo:	2123	2			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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 12/2	2/99 3:01:00 AM	Prep Da	ate 12/15/99)
Client ID:		Run ID:	GC-ELVIS_9	91223C		SeqNo:	2123	3			
Analyte	Result	. RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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			

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

1 - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contribunt Level

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

Date: 02-Feb-00

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID 9912133-06CMS	Batch ID: 533	Test Code:	SW8081A	Units: µg/Kg-dry		Analysis	Date 01/0	3/2000	Prep Da	ate 12/28/19	99
Client ID: SA71-WC06		Run ID:	GC-TRENT_C	00103A		SeqNo:	1526	8			
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 01/0	3/2000	Prep D	ate 12/28/19	99
Client ID: SA71-WC06		Run ID:	GC-TRENT_0	000103A		SeqNo:	1526	9			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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	
C1101111				0	87.6	38	153	26.15	4.69	50	
	27.4	10	31.27	0	01.0						
4,4'-DDT Surr: Tetrachloro-m-xylene	27.4 8.402	10 0	31.27 10.01	0	84	64	124	12.36	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

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 12/2	3/99 12:37:00 AM	Prep D	ate 12/15/99)	
Client ID:		Run ID:	GC-ELVIS_9	91223D		SeqNo:	1307	5			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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	1,11,111	Analysis	Date 12/2	3/99 1:04:00 AM	Prep Da	ate 12/15/99)
Client ID:		Run ID:	GC-ELVIS_9	91223D		SeqNo:	13076	5			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Quai
Aroclor 1016	598.4	100	646.8	0	92.5	67	116	571.7	4.56	50	
	598.4 639.9	100 210	646.8 646.8	0 0	92.5 98.9	67 55	116 122	571.7 602.1	4.56 6.08	50 50	
Aroclor 1016 Aroclor 1260 Surr: Decachlorobiphenyl				_		= -					

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

Date: 02-Feb-00

QC SUMMARY REPORT

Sample ID LCS-533	Batch ID: 533	Test Code:	SW8081A	Units: µg/Kg		Analysis	Date 01/0	3/2000	Prep Da	ate 12/28/19	99
Client ID:		Run ID:	GC-TRENT_C	000103A		SeqNo:	1525	7			
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		A CONTRACTOR OF THE PARTY OF TH	
Heptachlor	9.652	8.0	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			

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

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

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	Test Code: SW8082			Analysis	Date 12/2	2/1999 03:28:00	Prep Date 12/15/1999		
Client ID:		Run ID:	GC-ELVIS_9	91223C		SeqNo:	2156	9			
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			

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

Date: 01-Feb-00

QC SUMMARY REPORT

Method Blank

Sample ID: MB-489	Batch ID: 489	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/2	3/99 12:34:01 PM	Prep Da	ite: 12/21/99	
Client ID:		Run ID:	ICP-OPTIMA	_991223A		SeqNo:	1313	9			
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									

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

^{* -} Value exceeds Maximum Contaminant Level

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_	91217A	SeqNo: 11116	
Analyte	Result	RL SPK v	alue 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

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

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

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

Roy F. Weston, Inc.

Work Order: 991

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_99	1222A		SeqNo: 12328	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qua
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_99	1222B		SeqNo: 12443	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qua
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

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 12/1	6/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	12161		SeqNo:	1784	8			
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	s Date 12/2	1/99	Prep D	ate:	
Client ID:		Run ID:	ING-WET_99	1221D		SeqNo:	1784	9			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	50									

Roy F. Weston, Inc.

Work Order: 9912133

CLIENT:

Project: SA71-Devens

Date: 01-Feb-00

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912077-02AD	Batch ID: R802	Test Code:	SW1010	Units: °F		Analysis	s Date 12/1	6/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	1216E		SeqNo:	17846	6			
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	

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

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 12/2	2/99	Prep Da	ate:	
Client ID: SA71-WC06		Run ID:	ING-WET_99	1222A		SeqNo:	1234	3			
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 12/2	2/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	1222B		SeqNo:	1245	0			
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	

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 12/2	1/99	Prep Da	ate:	
Client ID: SA71-WC06		Run ID:	ING-WET_99	1221D		SeqNo:	12210	0			
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 12/1	6/99	Prep D	ate:	-
Client ID:		Run ID:	ING-WET_99	12161		SeqNo:	1222	4			
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	

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

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	<u> </u>	Analysis	Date 12/1	5/99	Prep Da	ate:	
Client ID: SA71-WC01		Run ID:	ING-WET_99	1215A		SeqNo:	10433	3			
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	

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

Date: 01-Feb-00

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9912020-01AMS	Batch ID: 489	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/2	3/99 12:53:41 PM	Prep Da	ate: 12/21/99	
Client ID:		Run ID:	ICP-OPTIMA	_991223A		SeqNo:	1314	4			
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		and a second	
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 12/2	3/99 12:57:23 PM	Prep Da	ate: 12/21/99	
Client ID:		Run ID:	ICP-OPTIMA	_991223A		SeqNo:	1314	5	·		
Client ID: Analyte	Result	Run ID:		_991223A SPK Ref Val	%REC	•		RPD Ref Val	%RPD	RPDLimit	Qual
	Result				%REC	•				RPDLimit	Qual
Analyte		RL	SPK value	SPK Ref Val		LowLimit	HighLimit	RPD Ref Val	%RPD		Qual
Analyte	598.6	RL 7	SPK value 557.3	SPK Ref Val	105	LowLimit 75	HighLimit	RPD Ref Val	%RPD 5.18	20	Qual
Analyte Arsenic Barium Cadmium	598.6 557.3	RL 7 28	SPK value 557.3 557.3	SPK Ref Val 14.11 14.23	105 97.5	LowLimit 75	HighLimit 125 125	568.4 536.8	%RPD 5.18 3.75	20 20	Qual
Analyte Arsenic Barium Cadmium	598.6 557.3 110	7 28 0.7	SPK value 557.3 557.3 111.5	14.11 14.23 0	105 97.5 98.7	LowLimit . 75 . 75 . 75	HighLimit 125 125 125	568.4 536.8 105	%RPD 5.18 3.75 4.64	20 20 20	Qual
Analyte Arsenic Barium Cadmium Chromium	598.6 557.3 110 555.3	7 28 0.7 1.4	557.3 557.3 111.5 557.3	14.11 14.23 0 7.624	105 97.5 98.7 98.3	75 75 75 75	HighLimit 125 125 125 125	568.4 536.8 105 521.9	%RPD 5.18 3.75 4.64 6.2	20 20 20 20	Qual

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

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	7/99	Prep Da	ate:	
Client ID: SA71-WC01		Run ID:	ING-IR_9912	17A		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	7/99	Prep Da	ate:	
Client ID: SA71-WC01		Run ID:	ING-IR_9912	17A		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	

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

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Sample Matrix Spike

and the second s											
Sample ID: 9912151-01BMS	Batch ID: 436	Test Code:	SW7471	Units: mg/Kg-dry		Analysis	Date 12/1	7/99	Prep D	ate: 12/16/99)
Client ID:		Run ID:	HG-FIMS_99	1217A		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	and the first consideration for		
Sample ID: 9912151-01BMSD	Batch ID; 436	Test Code:	SW7471	Units: mg/Kg-dry		Analysis	Date 12/1	7/99	Prep Da	ate: 12/16/99)
Client ID:		Run ID:	HG-FIMS_99	1217A		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	T-Access to the second

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

Date: 01-Feb-00

QC SUMMARY REPORT

Sample ID: LCS-489	Batch ID: 489	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/2:	3/99 12:37:45 PM	Prep Da	ate: 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	Quai
Arsenic	431.6	5	400	0	108	80	120	0		11 - The self-offers was assessment as	Probability of the Control Section 1999
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			

S - Spike Recovery outside accepted recovery limits

 $[\]boldsymbol{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

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Sample ID: LCS	Batch ID: R808	Test Code:	E418.1	Units: mg/Kg	mg/Kg Analysis Date 12/17/99			Prep Date:			
Client ID:		Run ID:	ING-IR_9912	17 A		SeqNo:	11117	7			
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			

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

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Sample ID: LCS 121699	Batch ID: R802	Test Code:	SW1010	Units: °F	Analysis Date 12/16/99			6/99	Prep Date:		
Client ID:		Run ID:	ING-WET_99	1216E		SeqNo:	19586	5			
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	ang allahah dan si dan pili dipan denderakan bagan berana dan pili dipan denderakan bagan berana dan berana da		
Sample ID: LCS 121699 #2	Batch ID: R802	Test Code:	SW1010	Units: °F		Analysi	s Date 12/1	6/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	1216E		SeqNo:	1958	7			
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			

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_99	1217A		SeqNo:	11036	3			
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

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Sample ID: LCS 121599	Batch ID: R755	Test Code:	SW9045C	Units: pH Units		Analysis	Date 12/1	5/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	1215A		SeqNo:	19588	3			
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			-

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

Analysis Dat	Prep Date	TCLP Date	Test Name	Matrix	Collection Date	Client Sample ID	Sample ID
12/23/9	12/21/99		ICP METALS, 3051/6010	Soil	12/14/99	SA71-WC01	0001188-01A
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/9	12/21/99		ICP METALS, 3051/6010			SA71-WC02	0001188-02A
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/9	12/21/99		ICP METALS, 3051/6010			SA71-WC03	0001188-03A
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/9	12/21/99		ICP METALS, 3051/6010			SA71-WC04	0001188-04A
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/99	12/21/99		ICP METALS, 3051/6010			SA71-WC05	0001188-05A
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/9	12/21/99		ICP METALS, 3051/6010			SA71-WC06	0001188-06A
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/99	12/21/99		ICP METALS, 3051/6010			SA71-WC07	0001188-07A
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/9	12/21/99		ICP METALS, 3051/6010			SA71-WC08	A80-8811000
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/9	12/21/99		ICP METALS, 3051/6010			SA71-WC09	0001188-09A
1/25/0	1/21/00	1/20/00	ICP METALS, TCLP				
1/24/0	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/9	12/21/99		ICP METALS, 3051/6010			SA71-WC10	0001188-10A

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

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

Project:

SA71- Devens

Lab ID:

0001188-01A

Client Sample ID: SA71-WC01

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	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

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

- See Case Narrative

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-WC02

Lab Order:

0001188

Tag Number:

Project:

SA71- Devens

Collection Date: 12/14/99

Lab ID:

0001188-02A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010 Antimony	54	SW6010B 6.5		mg/Kg-dry	1	Analyst: REB 12/23/99
ICP METALS, TCLP Lead	2.0	SW6010B 0.25		mg/L	1	Analyst: RK 1/25/00 2:32:33 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

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

0001100

Project:

SA71- Devens

Lab ID:

0001188-03A

Date. 20-Jun-00

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

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-WC04

Lab Order:

0001188

Tag Number:

Project:

SA71- Devens

Collection Date: 12/14/99

Lab ID:

0001188-04A

Matrix: SOIL

Analyses	Result RL Qual		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

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

- See Case Narrative

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

Project:

SA71- Devens

Lab ID:

0001188-05A

Tag Number:

Collection Date: 12/14/99

Client Sample ID: SA71-WC05

Matrix: SOIL

Analyses	Result RL Qual		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

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 Antimony	73	SW6010B 5.9		mg/Kg-dry	1	Analyst: REB 12/23/99
ICP METALS, TCLP Lead	16	SW6010B 0.25	*	mg/L	1	Analyst: RK 1/25/00 2:51:42 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

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

Project:

SA71- Devens

Lab ID:

0001188-07A

Client Sample ID: SA71-WC07

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result RL Qua		Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	94	6.0		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				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

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

- See Case Narrative

Date: 26-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

0001188

Project:

SA71- Devens

Lab ID:

0001188-08A

Client Sample ID: SA71-WC08

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	60	6.1		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	2.3	0.25		mg/L	1	1/25/00 3:10:42 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

- See Case Narrative

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

0001100

Project: Lab ID: SA71- Devens 0001188-09A Client Sample ID: SA71-WC09

m

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result RL Qual U		Units	DF	Date Analyzed	
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	37	5.6		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	0.48	0.25		mg/L	1	1/25/00 3:15:31 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

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

Project:

SA71- Devens

Lab ID:

0001188-10A

Date: 26-Jan-00

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

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

- See Case Narrative

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

Project:

SA71- Devens

Lab ID:

0001188-11A

Client Sample ID: SA71-WC11

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	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

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

- See Case Narrative

Date: 26-Jan-00

CLIENT: Lab Order: Roy F. Weston, Inc.

0001188

Project:

SA71- Devens

Lab ID:

0001188-12A

Client Sample ID: SA71-WC12

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	27	5.9		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	1.4	0.25		mg/L	1	1/25/00 3:30:01 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

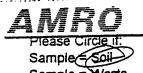
R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

SAMPLE RECEIPT CHECKLIST

Client	weston				AMRO	מו (:		11133
	me: <i>SAH</i>				Date F	₹ec.:		-14-99
		ed Ex., UPS	AMRO COL	ırier)	Date 0	Due:		7-28-94
Hand Del.,	Other Cou	rier, Other_			1			
					1			
Items to be	e Checked U	pon Receipt			Yes	No	NA	Comments
1. Army S	amples rece	ived in individ	lual plastic ba	ags?	1			
2. Custod	y Seals prese	ent?			T	1	J	
3. Custod	y Seals Intac	t ?					V	
4. Air Bill	included in fo	older if receive	ed?				V	
5. Is COC	included wit	h samples?			V			
6. Is COC	signed and	dated by clien	it?		V			
7. Laborat	ory receipt to	emperature.		TEMP = 4"	TU	1		
<u> </u>	T	T	1	Samples rec. with ice	ice	packs \	neit	her
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Received By		Date: 12-14						
Labeled By:	JH	Date: 12-15						



Sample ID	Analysis	Volume Sample	Preserv. Listed	Initial pH	Acceptable? Y or N	List Preserv. Added by AMRO	Solution ID #	Volume Preservative Added	Fin- adjus pH
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Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Work Order:

0001188

Project:

SA71- Devens

QC SUMMARY REPORT

Method Blank

Batch ID: 755 Test Code: SW6010B Units: mg/Kg Analysis Date 12/23/99 Prep Date: 12/21/99 Sample ID: MB-755 ICP-OPTIMA_991223B Client ID: Run ID: SeqNo: 19403 RL SPK value SPK Ref Val LowLimit HighLimit RPD Ref Val Result %REC %RPD RPDLimit Qual Analyte ND Antimony

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:

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:	2001	4			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25			'						

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

Date: 26-Jan-00

Sample Matrix Spike

CLIENT:

Roy F. Weston, Inc.

Work Order:

0001188

Project:

SA71- Devens

QC SUMMARY REPORT

Sample ID: 9912020-01AMS	Batch ID: 755	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/2	3/99	Prep Da	ate: 12/21/99	,
Client ID:		Run ID:	ICP-OPTIMA	_991223B		SeqNo:	1956	6			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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 12/2	3/99	Prep Da	ate: 12/21/99)
Client ID:		Run ID:	ICP-OPTIMA	_991223B		SeqNo:	1956	7			
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	

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 Da	ate: 1/21/00	
Client ID:		Run ID:	ICP-OPTIMA	_000125A		SeqNo:	2002	1			
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 Da	ate: 1/21/00	
Client ID:		Run ID:	ICP-OPTIMA	_000125A		SeqNo:	2002	2			
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	*

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

Date: 26-Jan-00

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 12/2	3/99	Prep D	ate: 12/21/99)
Client ID:		Run ID:	ICP-OPTIMA	_991223B		SeqNo:	19404	1			
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			

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:

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 Da	ate: 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			*

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

^{* -} Value exceeds Maximum Contaminant Level

AMRO Environmental Laboratories Corporation

111 Herrick Street Merrimack, N.H. 03054

Relinquished by (Signature)

30713

Office: 603-424-2022 Fax: 603-429-8496 CH									OF CU	JSTOD'	Y RE	COR	D						J () /	, 13			
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Seal Inlact?

N/A

Received for Laboratory by (Signature)

Date Time

APPENDIX D TRANSPORTATION AND DISPOSAL DOCUMENTATION

Transporter Log CWM Chemical Services, Inc.

Model City,	NY					
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NYB9208143

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

Please type or print. Do not staple.

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

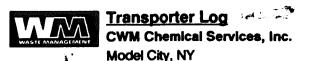
HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

7		
~	CWM.	į

(Hazardous Waste Manifest 4/97)

	UNIFORM HAZARDOUS 1 General March	2,10025,154 3 9	361				n heavy bold line Federal Law.
	Generator's Name and Mailing Address SARMY FORT DEVENS	GENC O	316	A.	NYB92	208	11/2
	BLDG 1650 FORT DEVENS MA 01432 ATTN:	JIM CHAMBERS WOO	318	B. G	enerator's ID	200	143
	4. Generator's Telephone Number 796-3784	offi Charibers			SAME STU	DY	AREA 71
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	7. Transporter 2 (Company Name)	10 4 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	124		ransporter's Telep tate Transporter's		00 677800
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	Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C	10. US EPA ID Number		G. S	tate Facility ID		
	1550 BALMER RD.	1		H. F	acility Telephone ()
	MODEL CITY NY 14107	NYD049836	679	<u> </u>	acility Telephone (16 754-	8231	
	11. US DOT Description (Including Proper Shipping Name, H	lazard Class and ID Number)	12. Cont	_	13. Total	14.Unit	
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Driver's Comments

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				Security Guard Initials:

NYB9208197

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

Please type or print. Do not staple.

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HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

CWMI	
(Hazardous Waste Manifest 4/97)	

**WASTE MANIFEST M. A. 7, 2, 1, 0, 0, 2, 5, 1, 5, 4, 3, 4, 5, 2, 1 is not required as a sequence of the property of the proper	1 AREA 7129 29834 15CA 10(8°CC) 208 7035
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11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	i.Unit t/Vol I. Waste No.
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9, NA3077, III, (LEAD) $ \mathbf{p}_{0} \mathbf{p}_{1} \mathbf{p}_{1} \mathbf{q}_{1} \mathbf{q}_{0} \mathbf{q}_{0} \mathbf{q} \mathbf{p}_{1} $, STATE
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	d L
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800)424-9300 WMI Contract	
SERVICE PROJECT# 565022-2	_
31532920	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international a regulations and state laws and regulations.	r shipping name and are and national government
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 determ practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present an	
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18. Transporter 2 Acknowledgement of Receipt of Materials	0,90,600
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	Smoking or	eating in prohibited	i areas		Leaving truc	k unattended
	Failure to of	bey instructions of	facility personne		Failure to dis	splay overweight flag

improper tarping or detarpin

Overweight upon arrival

Failure to wear appropriate PPE

_ Unsafe driving practices

_ Other (specify)

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST



Please type or print. Do not staple.

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

P.O. Box 12820, Albany, New York 12212

	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No.		_		2. Pa				heavy bold line Federal Law.
ĺ	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650						A.				5964
	FORT DEVENS 4. Generator's Telephone 9.78er 796 - 378	MA 0143									New 71
1	5 Transporter 1 (Company Name) Buffalo Fuel Coes		6. US EPA ID	20,04	5.2	24		tate Tran ransporte			2768AM
	7. Transporter 2 (Company Name)		8. /US EPA ID	Number	1 1	1		tate Trans	·)
	9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES,	IIC	10. US EPA I	D Number			G. S	tate Facil	ity ID		
	1550 BALMER RD. MODEL CITY NY 14107		N,Y,D,O,4	1,9,8,3,0	6 ₁ 6 ₁	7 9	H. F	acility Tel	ephone (754 -)
ľ	11. US DOT Description (Including Proper Shippir	ng Name, Hazard	l Class and ID Nu	mber)	- 1	. Cont	ainers Type	13. To Qu	otal antity	14.Unit Wt/Vol	I. Waste No.
T	aRQ, HAZARDOUS WASTE, S 9,NA3077,III,(LEAD)	OLID, N	.0.5,					Estry	小百		₩008
L				· · · · · · · · · · · · · · · · · · ·	þ.	D <u>1</u>	T, O	44,0	0,0,0	P	STATE EPA
	b. -										STATE
\vdash	С.				+			1	1 1		EPA
						1	1	, ,			STATE
T	d.								· · · · · · · · · · · · · · · · · · ·		EPA
L								1 1			STATE
	J. Additional Descriptions for Materials listed Abov CR1000-LEAD CONTAMINAT				•		K. Ha	andling Co	odes for \	Vastes L	isted Above
I,		t d		,	•	1	ь			d	
	15. Special Handling Instructions and Additional In:	formation	ber (800)424-9	300	WM	I Co	ontra	ct		
S	ERVICE REQUEST# 5247								533	148	
F	 GENERATOR'S CERTIFICATION: I here classified, packed, marked and labeled, and are regulations and state laws and regulations. 	by declare that the in all respects in	contents of this copporer condition to	onsignment are r transport by I	fully ar nighway	d accur	ately de ling to a	escribed at applicable	ove by printernation	oper ship nal and n	ping name and are ational government
	If I am a large quantity generator, I certify that I have practicable and that I have selected the practicable health and the environment; OR if I am a small gene me and that I can afford.	method of treatm	ent, storage, or dis	posal currently	availabl	e to me	which r	ninimizes 1	the presen	t and futi	ure threat to human
	CHILF. MILLER		Signature	PAN	fil	lei	2			Ď	Day Year
\vdash	17. Transporter 1 Acknowledgement of Receipt of	Materials	Signature	0-1	'/					٨	no. Day Year
	18. Transporter 2 Acknowledgement of Receipt of	Materials	fr	ELM	7						7,7,1,400
Р	rinted/Typed Name		Signature							,	Mo. Day Year
	9. Discrepancy Indication Space Octual Red	6240	0P	_							
⊢	20. Facility Owner or Operator: Certification of rece	•	Signatur	od/by this man	test ex	cept as	noted	in Item 19	9.	A	Oa Dav Year
[Kynn Kiechausk	L		Ku_ Ch	U	eh	NU	1SK		0	9 11 00

	Transpo	rter Log		69304	المحادث	
		mical Services,	Inc.		So your	
WASTE MANAGIME	Model City	-	•		Cubic Taras	98400 LB 5 2
٠., ١	,	,			17:04	
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Receipt #		Trailer License	[/ / / / / / Plate # and State		017.127	• • •
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Service Req.			nit #		20:23	CONTROLLO CONTROL
US Be	JIK TRAV	15 INC 30'	9-309-A		come said 18	105
Transporter N	lame , j	Tracte	or/Trailer/Roll-off	4	09/11/4	65160f
KEV	w Hick	<u> </u>	ARMY FO	KT Devens	٥	(05/60/
Driver's Name	• ' '	Genera	ator /			-
Scheduled A	Arrival:					
	Date	Time				
Actual Arriva		1560				
	Date	Time In	Time Out			
A	ima Dinakaut?	V / N Not	ified DEC? Y /	, ,	2)
Arrived duri	ing Blackout?	T / IN INOL	illed DEC? 1/	14	Receiving:	
Leaker	Permit Vio	lation Pla	carding/Veh. I.D. \		Initials	Comments
			ourumg, von. 1.D.			
Other (sp	ecify			Ĺ		
Bulk to La	andfill [] N	o wet line F	latbed Sta	abilization	Drums Tanker	Transformers
	Time In	Time Out	Initials	Comments		
Stabilization						
	Time In	Time Out	Initials	Gross Wt.	Comments	
					<u></u>	
Landfill						
	Time In	Time Out	Initials	Comments		

Other		-				
	Time In	Time Out	Initials	Comments		

ruck Wash						
HUCK WADII	Time In	Time Out	Signature (NC) Initiale\	Comments	
	,,,,, ,, ,,,	rime Out	Signature (MC	nnuais)	Comments	
Facility Pe	ersonnel (ple	ase initial)				
	Smokina (or eating in prohibite	ed areas		Leaving true	ck unattended
			- -	**************************************		
	Fallure to	obev instructions o	f deallth: personne	1	Eallura to di	isplay overweight flag

Smoking or eating in prohibited areas 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 Unsafe driving practices Other (specify)

Security Guard	Initials:		
(Indicating receipt	of Wash	Bay pass,	if necessary)

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please type or print. Bo not staple.

P.O. Box 12820, Albany, New York 12212

	UNIFORM HAZARDOUS WASTE MANIFEST WAR 7 0 1		1325		- Intornau		n heavy bold line / Federal Law.	
	3. Generator's Name and Mailing Address			A.	NVDO	201	5072	
	US ARMY FORT DEVENS BLDG 1650	NYB9395973 B. Generator's ID = 1 (A = 71						
	FORT DEVENS MA 01433 4. Generator's Telephone 9/780er 796-3784	2		B. Generator's ID Study Aver 71 SAME				
	5. Transporter 1 (Company Name)	6. US EPA ID Number		C. 8	State Transporter's			
	US BULK TRANSPORT Inc.		ransporter's Telep		8865181			
	7. Transporter 2 (Company Name)	8. UŠ EPA ID Number			tate Transporter's ransporter's Telep			
	Designated Facility Name and Site Address	10. US EPA ID Number	<u> </u>		State Facility ID			
	CWM CHEMICAL SERVICES, L.L.C.	t						
	1550 BALMER RD. Model City NY 14107	N,Y,D,O,4,9,8,3,6	5.6.7.9	H. F	facility Telephone ()	
			12. Cont	ainers	13. Total	14.Unit		
	11. US DOT Description (Including Proper Shipping Name, Hazard	Class and ID Number)	Number	Туре	Quantity	Wt/Vol	I. Waste No.	
	aRQ, HAZARDOUS WASTE, SOLID, N 9,NA3077,III,(LEAD)	.o.s,			Estrate		5 608	
	9,NA3077,III,(LEAD)			рπ	44000	P	STATE	
	b.						EPA	
ě							STATE	
GENERATOR	C.						EPA	
GE							STATE	
	d.						EPA	
				١,	1 , , , ,		STATE	
	J. Additional Descriptions for Materials listed Above			K. H	andling Codes for	Wastes	Listed Above	
	a CR1000-LEAD CONTAMINATED SOIL		<u> </u>	а		С		
	b • d		<u>• 1</u>	b		d		
	15. Special Handling instructions and Additional Information CHEMTREC Emergency Response Num	ber (800)424-9:	300 WM	I C	ontract			
	ERG#171 SERVICE REQUEST# 52476-8		_		154		;	
	OLKVIOL KLEGOOT"		8/3	<u> </u>	757			
	 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in 							
	regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place.							
	practicable and that I have selected the practicable method of treatm health and the environment; OR if I am a small generator, I have made me and that I can afford.							
	Printed/Typed Name	Signature . At 1 m	11				Mo. Day Year	
	GAIL F. MILLER	XJan 711	Mu	<u> </u>	•	(27.1.1.0.0	
Œ	17. Transporter 1 Acknowledgement of Receipt of Materials Print d/Typed Name	Signatur	1 1				Mo. Day Year	
TRANSPORTER	KEVIN HIZKS	The !	Hill	5		,C	91100	
ANSP	18. Transporter 2 Acknowledgement of Receipt of Materials							
٤	Printed/Typed Name	Signature				1	Mo. Day Year	
\dashv	19. Discrepancy Indication Space							
اح	(leture Recd 651608							
FACILITY	20. Facility Owner or Operator. Certification of receipt of hazardous	materials covered by this mani	fest except as	s noted	in Item 19.	·		
2	Brintod/Tubord Nome A	Signature	\mathcal{D}^{-}	1	, /) .	1	Mo. G Day Year	
- 1	Kynn Piechowski	My	Tuck	WI	ulle	P	77770	



69297

CWM Chemical Services, Inc. ◆ Model City, NY 94220 LB 6 2 16:07 09/11/00 32100 LB 5 1 18148 62120P 09/11/00 Driver's Name Scheduled Arrival: Date Time **Actual Arrival:** Time Out Date Time In Notified DEC? Y / N Arrived during Blackout? Y / N Receiving: Initials Comments Permit Violation Placarding/Veh. I.D. Violation Leaker Other (specify Flatbed Stabilization **Drums Bulk to Landfill** No wet line Tanker Transformers Laboratory Time In Time Out Initials Comments Stabilization Time In Time Out Initials Gross Wt. Landfill Time In Time Out Initials Comments Other Time In Time Out Initials Comments Truck Wash Time Out Signature (NO Initials) Time In Comments Facility Personnel (please initial) Leaving truck unattended Smoking or eating in prohibited areas 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

> Security Guard Initials: (Indicating receipt of Wash Bay pass, if necessary)

Other (specify)

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS

Please type or print. Do not staple.

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

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

I UNIFORM HAZARDOUS	's US EPA No. 0 0 12 15 11 15 14	Manifest Doc.		- Imoni		n heavy bold line / Federal Law.
3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650	A.	NYB9396027				
FORT DEVENS MA 0143 4. Generator's Telephone 376er 796-3784	B. (B. Generator's ID Study Arch 71 SAME				
5. Transportent (Company Name)		C. State Transporter's ID 99464-7-3 D. Transporter's Telephone (200 (6)) (900)				
7. Transporter 2 (Company Name)	E. 3	E. State Transporter's ID F. Transporter's Telephone ()				
9. Designated Facility Name and Site Address	10. US EPA ID Numb	er	G.	State Facility ID	···	
CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107	N,Y,D,0,4,9,8	,3 ,6 ,6 ,7		Facility Telephon) 1
11. US DOT Description (Including Proper Shipping Name, Hazard		12. (Containers ber Type	13. Total Quantity	14.Unit Wt/Vol	I. Waste No.
aRQ, HAZARDOUS WASTE, SOLID, N 9,NA3077,III,(LEAD)	.0.5,			Estimate		₩608
		ρρ	1 D T	4,4,0,0,	O P	STATE
b.						STATE
C.			 		-	EPA
			, ,			STATE
d.						EPA
						STATE
J. Additional Descriptions for Materials listed Above CR1000-LEAD CONTAMINATED SOIL a		! •	K. ⊦ a	landling Codes fo	c c	Listed Above
b • d		•	b		d	
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Num ERG#171 SERVICE REQUEST#	aber (800)424 	4-9300 1	WMI C	ontract 81533	3/4"	7
 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in regulations and state laws and regulations. 	proper condition for transpo	ort by highway ac	ccording to	applicable internat	ional and r	national government
If I am a large quantity generator, I certify that I have a program in pla practicable and that I have selected the practicable method of treatm health and the environment; OR if I am a small generator, I have made me and that I can afford.	nent, storage, or disposal cur	rently available to	me which	minimizes the pres	ent and fut	ure threat to human
Printed/Typed Name GAIL. F. MILLER	Signatule Y	Mill	W			Mo. Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ANDAII WARD 18. Transporter 2 Acknowledgement of Receipt of Materials	Signature Run	roall	0 h	Jane	Ø	9 1 1 20
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature -					Mo. Day Year
19. Discrepancy Indication Space Obtal Recal (2)2	of					
20. Facility Owner or Operator: Certification of receipt of hazardous Printed/Typed Name	s materials covered by this	-/1)	1	-		Mon Day Year
Lynn liechowski	Myr	Kel	chor	whe	<u> </u>	4/1,00



Driver's Comments

69301

Cubic Yards

(Indicating receipt of Wash Bay pass, if necessary)

Model City, NY 88820 LB 6 2 16:29 09/11/00 Trailer License Plate Profile # 33900 LB 6 1 18:54 Driver's Name Scheduled Arrival: Date Time **Actual Arrival:** Date Time Out Time In Notified DEC? Y / N Arrived during Blackout? Y / N Receiving: Initials Comments Leaker **Permit Violation** Placarding/Veh. I.D. Violation Other (specify No wet line Flatbed Stabilization **Bulk to Landfill 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 Fallure to display overweight flag Fallure to wear appropriate PPE Improper tarping or detarpin Unsafe driving practices Overweight upon arrival Other (specify) Security Guard Initials:

STATE OF NEW TORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

(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 NYS Department of Environmental Conservation (518) 457-7362

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

	* UNIFORM HAZARDOUS 1. Generator's WASTE MANIFEST		Manifes	321	2. Pa	morman		heavy bold line Federal Law.
	Generator's Name and Mailing Address	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 			A.	111/00	200	2000
	US ARMY FORT DEVENS					<u>NYB9</u>	<u>396</u>	5036
	BLDG 1650 FORT DEVENS MA 01432	2				ienerator's ID 5	to dy	Area 71
	4. Generator's Telephone (76er 796 – 3784) 5. Transporter 1 (Company Name)	6. US EPA ID Num	ber			SAME tate Transporter's	ID AU:	VI 46690
	Buffala Fre lop.	NYRODO		724		ransporter's Telep		
	7. Transporter 2 (Company Name)	8. US EPA ID Num		<u> </u>		tate Transporter's		
						ransporter's Telepl	none ()
	Designated Facility Name and Site Address	10. US EPA ID Nur	nber		G. S	itate Facility ID		
	CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD.				н Б	acility Telephone ()
		N Y D 0 4 9	8 3 6	6 7 9		716 754-		
	11. US DOT Description (Including Proper Shipping Name, Hazard	Class and ID Number		12. Conta		13. Total	14.Unit	
	_			Number	Туре	Quantity	Wt∕Vol	I. Waste No.
	RQ, HAZARDOUS WASTE, SOLID, N. 9,NA3077,III,(LEAD)	0.5,				Esharte		₽ 008
	9,NA30//,III,(LEAD)			001	Dπ	4,4,0,0,0	P	STATE
	b.							EPA
TOR								STATE
GENERATOR	C.							EPA
8								STATE
	d.			1.1				EPA
			İ					
				_ 1 _ 1	1			STATE
	J. Additional Descriptions for Materials listed Above				K. Ha	andling Codes for	Wastes I	isted Above
	a CR1000-LEAD CONTAMINATED SOIL	· · · · · · · · · · · · · · · · · · ·	•		а	T	С	
						П		
	b • d		1 •	1	ь		d	
	15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Num	per (800)4	24-930	O WM	I Co	ontract		+
	ERG#171 SERVICE REQUEST#				_		1	
	SERVICE REQUESTY	· · · · · · · · · · · · · · · · · · ·			81	153315		
	 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in p 	contents of this consign proper condition for trans	ment are full sport by high	y and accur	ately de	escribed above by prapplicable internation	oper ship nal and n	pping name and are lational government
	regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in plac	·		•	•			-
	practicable and that I have selected the practicable method of treatme health and the environment; OR if I am a small generator, I have made	ent, storage, or disposal	currently avai	lable to me	which r	ninimizes the preser	it and futi	ure threat to human
	me and that I can afford. Printed/Typed Name	Signature ' A (·		Mo. Day Year
	GAV F. MILLER	Mail	1 M.	Mix	j	a a		9.11.60
\exists	17. Transporter 1 Acknowledgement of Receipt of Materials			7				
TRANSPORTER	Printed/Typed Name	Signature	mil.	mi		/	٨	Mo. Day Year
SPO	18. Transporter 2 Acknowledgement of Receipt of Materials	M	/· U/	w	4		_ رو	0.9.1.1.00
E E	Printed/Typed Name	Signature				·····	<u> </u>	Mo. Day Year
_		-						
ļ	19. Discrepancy Indication Space							
ξl	actual Recol 54920+							
FACILITY	20. Facility Owner or Operator Certification of receipt of hazardous	materials covered by	this manifes	t except as	noted	in Item 19.		
	Printed/Typed Name Lechowski	Signature	$(\mathcal{V},$, la	1	11.	1	No. Day Year
ᆚ	Man Helmouski	11000	مكراكما	viyo	<u>U U U</u>	yn		1111100

	Transporter Log CWM Chemical Services, Inc.
WASTE MANAGEMENT	CWM Chemical Services, Inc.

Driver's Comments

White Desert

69296

LIG 4 G

WASTE MANAGEMENT		micai Services, i NY	iiic.		Cubic Yards	
Receipt # Service Req. # Transporter Nar Driver's Name Scheduled Ar Actual Arrival: Arrived durin	Model City, Profile Profile Note Date g Blackout?	Time In	Plate # and State 545 in # 40 (S) 40 in Time Out	N Re	16:01 09/11/0 18:42 09/11 /0	32280 LB 6 1
Leaker	Permit Viole	ation Plac	carding/Veh. I.D. \	/iolation	Initials	Comments
Other (spec			_			
Bulk to Lan	dfill No	wet line Fi	atbed Sta	abilization Dru	ms Tanker	Transformers
Laboratory	Time In	Time Out	Initials	Comments		
Stabilization		*****	we will be sometiment of the same of the s		VALTE OF A CO. A. C.	
	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 (NC) Initials)	Comments	
Facility Per	rsonnei (plea	•	4		l norden de co-	L
		r eating in prohibite				k unattended
		obey instructions of wear appropriate PF	-	 		play overweight flag
		ving practices	- L		Overweight	
	Other (spe					
	• •	-,			curity Guard Initials:	n Bay pass, if necessary)

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST



Please type or print. Do not staple.

III case or errergency or spill minicariatery can ure reational Response Center (800) 424-6802 and the NYS Department of Environmental Conservation (518) 457-7362

TRANSPORTER

P.O. Box 12820, Albany, New York 12212

WASTE MANIFEST MA 7	21002515406	219				n heavy bold line v Federal Law.		
3. Generator's Name and Mailing Address US ARMY FORT DEVENS			A.	NYRO	300	SO 45		
BLDG 1650 FORT DEVENS MA 0:	1432		NYB9396045 B. Generator's ID Study Arcs 71 SAME					
4. Generator's Telephone 9778er 796-3784	· · · · · · · · · · · · · · · · · · ·							
5. Transporter 1 (Company Name) BUFFALA FUEL CORP	6. US EPA ID Number	-0.	C. State Transporter's ID 207/77/9 NH/					
7. Transporter 2 (Company Name)	8. US EPA ID Number	134	D. Transporter's Telephone (800)6718003 E. State Transporter's ID					
7. Hansporter 2 (Company Name)			F. Transporter's Telephone ()					
Designated Facility Name and Site Address	10. US EPA ID Number	 		State Facility ID	10110 (
CWM CHEMICAL SERVICES, L.L.	2.			•				
1550 BALMER RD.			H. F	acility Telephone)		
MODEL CITY NY 14107	N,Y,D,0,4,9,8,3,6	6 7 9		716 754-	-823	1		
11. US DOT Description (Including Proper Shipping Name, F	Hazard Class and ID Number)	12. Conta	ainers	13. Total	14.Unit			
	Number	Туре	Quantity	Wt/Vol	I. Waste No.			
aro, hazardous waste, solid, 9,Na3077,III,(LEAD)	, N.O.S,			BHMALE		5008		
9,NA3077,III,(LEAD)		001	T, d	44000	P	STATE		
b.						EPA		
		1				STATE		
c.						EPA		
						STATE		
d.						EPA		
						STATE		
J. Additional Descriptions for Materials listed Above			K. Ha	andling Codes for	Wastes I	Listed Above		
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•	DIL	∮ [a		С			
a CR1000-LEAD CONTAMINATED SC	<u>_</u>	• 1	a b		c d			
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b		oo wm	b I Co	ontract	d			
b d		• • 00 WM	b I Co	ontract 7/533/4	d			
a CR1000-LEAD CONTAMINATED SO to the state of the state o	Number (800)424-93		ı co	1533/4	6			
a CR1000-LEAD CONTAMINATED SO	Number (800)424-93	lly and accur	I Co	1533/4	d d	oping name and are national government		
b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response ERG#171 SERVICE REQUEST# 52476-1 16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked and labeled, and are in all resperegulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program	Number (800)424-93 that the contents of this consignment are fucts in proper condition for transport by high in place to reduce the volume and toxicity of	lly and accur hway accord	I Co	/533/4	d d	national government I to be economically		
b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response ERG# 71 SERVICE REQUEST# 52476~/ 16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked and labeled, and are in all resperegulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of health and the environment; OR if I am a small generator, I have	Number (800)424-93 that the contents of this consignment are fucts in proper condition for transport by high in place to reduce the volume and toxicity of treatment, storage, or disposal currently available.	lly and accur hway accord f waste gene ailable to me	I Co	1533/4 escribed above by papplicable internation the degree I have definimizes the present	d roper ship nal and retermined and fut	ational government to be economically ure threat to human		
b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response ERG#171 SERVICE REQUEST# 16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked and labeled, and are in all resperegulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of health and the environment; OR if I am a small generator, I have me and that I can afford.	that the contents of this consignment are fucts in proper condition for transport by high in place to reduce the volume and toxicity of treatment, storage, or disposal currently avie made a good faith effort to minimize my was	lly and accur hway accord f waste gene ailable to me	I Co	1533/4 escribed above by papplicable internation the degree I have definimizes the present	d d roper ship nal and rule etermined and futtent metho	national government d to be economically ure threat to human d that is available to		
b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response ERG# 71 SERVICE REQUEST# 52476-/ 16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked and labeled, and are in all resperegulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of health and the environment; OR if I am a small generator, I hav me and that I can afford.	Number (800)424-93 that the contents of this consignment are fucts in proper condition for transport by high in place to reduce the volume and toxicity of treatment, storage, or disposal currently available.	lly and accur hway accord f waste gene ailable to me	I Co	1533/4 escribed above by papplicable internation the degree I have definimizes the present	d d roper ship nal and rule etermined and futtent metho	ational government to be economically ure threat to human		
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a CR1000-LEAD CONTAMINATED Solution b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response ERG** To REQUEST** 16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked and labeled, and are in all resperegulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of health and the environment; OR if I am a small generator, I have me and that I can afford. Pripted/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name C. WWATT	Number (800)424-93 that the contents of this consignment are fucts in proper condition for transport by high in place to reduce the volume and toxicity of treatment, storage, or disposal currently avie made a good faith effort to minimize my was signal.	lly and accur hway accord f waste gene ailable to me	I Co	1533/4 escribed above by papplicable internation the degree I have definimizes the present	d d roper ship nal and rote terminecat and fut ent metho	to be economically ure threat to human d that is available to		
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b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response ERG#176 16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked and labeled, and are in all resperegulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program practicable and that I have selected the practicable method of health and the environment; OR if I am a small generator, I have me and that I can afford. Pripted/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name 19. Discrepancy Indication Space	that the contents of this consignment are fucts in proper condition for transport by high in place to reduce the volume and toxicity of treatment, storage, or disposal currently avie made a good faith effort to minimize my was signal. Signature Signature Signature	lly and accur hway accord waste gene ailable to me iste and selections.	I Co	7533/4 escribed above by papplicable internation the degree I have desired the present set waste management.	d roper ship nal and rule termined that metho	to be economically ure threat to human d that is available to Mo. Day Year 19 11 00 Mo. Day Year		

Transporter Log CWM Chemical Services, Inc.

69303

Cubic Yards

WASTE MANAGEMEN	Model City	, NY	, ·		16:35	105960 LB 6 2
\$1533	3753	732 Trailer License	Plate # and State	NI	09/11/	00
524 79 Service Req. I		1000 Per	1) 242 mit #	À		
Transporter Na	- CANSO	ر المال ا	<u> </u>	•		36400 L8 6 1
Driver's Name	\sum_{α}		S ARM		19:34	36400 L8 6 1 00 69560P
Scheduled A	rrival:	C 0///C		,	09/11/3	69500°
ctual Arrival	Date Date	Time / (- / / Time In	Time Out			
Arrived durir	ng Blackout?	Y / N Not	tified DEC? Y /	N Rec	eiving:	
Leaker	Permit Vio	lation Pi	acarding/Veh. I.D. \	1	Initials	Comments
Other (spe	cify					<i>x</i>
Bulk to Lar	ndfill N	o wet line	Flatbed Sta	abilization Drum	s Tanker	Transformers
aboratory						
	Time In	Time Out	Initials	Comments		
Stabilization				· · · · · · · · · · · · · · · · · · ·		
	Time In	Time Out	Initials	Gross Wt.	Comments	
			may gay and a second se			
andfill	Time In	Time Out	Initials	Comments		
Other	Time In	Time Out	Initials	Comments		
		Time Obt	n nais	Comments		
ruck Wash						
	Time In	Time Out	Signature (<u>NO</u>	Initials)	Comments	
	<u> </u>					
acility Per	rsonnel (plea	ase initial)				
	Smoking o	r eating in prohibite	ed areas	***************************************	Leaving truc	k unattended
	Fallure to	obey instructions o	f facility personnel		Fallure to di	splay overweight flag
	Failure to v	wear appropriate Pi	PE		Improper ta	ping or detarpin
	Unsafe dri	ving practices			Overweight	upon arrival
	Other (spe	cify)				

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOUR & HAZARDOUS MATERIALS

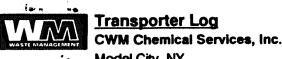
DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

UNIFORM HAZARDOUS WASTE MANIFEST	05 EPA NO.		3,2,2	2. 7	· I imor		nin heavy bold line by Federal Law.				
Generator's Name and Mailing Address Second Secon				A.	NYE	3030	605/				
BLDG 1650 FORT DEVENS MA 01432				NYB9396054 B. Generator's ID C 1 A 77							
4. Generator's Telephone 9176 er 796 – 3784	4. Generator's Telephone 948 er 796 – 3784						SAME STULY AREA 71				
5. Transporter 1 (Company Name) US BULK TRANSPORT INC	PAD 98.73.4	47.	Si 15		state Transport ransporter's T		33013 ~7 014) 620 7				
7. Transporter 2 (Company Name)	8. US EPA ID Number				State Transport		31 030 2				
Designated Facility Name and Site Address	1 1 1 1 1 1 1 1		11		ransporter's Te)				
CWM CHEMICAL SERVICES, L.L.C.	10. US EPA ID Number	ſ		G. 3	State Facility IL	,					
1550 BALMER RD.				H. F	acility Telepho)				
	N Y D O 4 9 8 3	3 6 6	12. Cont	ainers	716 75	4-823					
11. US DOT Description (Including Proper Shipping Name, Hazard 0	Class and ID Number)		Number		Quantit		1				
aro, hazardous waste, solid, N.	0.S,				Estruste	ق	DÔ08				
aRQ, HAZARDOUS WASTE, SOLID, N. 9, NA3077, III, (LEAD)	•	h	0.1	h #	4,4,0,0	,0 p	STATE				
b.		Ĭ	<u> </u>	7 11			EPA				
							STATE				
C.						<u> </u>	EPA				
							STATE				
d.				_1	1 1 1	1	EPA				
				1.	44,	`:					
						1. 5	STATE				
J. Additional Descriptions for Materials listed Above CR1000-LEAD CONTAMINATED SOIL				K. H	andling Codes	for Wastes	s Listed Above				
a CK1000-LEAD CONTANTANTED SOIL		1 •		а	<u>L</u>	<u> </u>					
						1					
b • d 15. Special Handling Instructions and Additional Information		1 -		b		7 1 0					
CHEMTREC Emergency Response Numb	er (800)424-	-930	O WM	I C	ontract	•					
ERG#171 SERVICE REQUEST# 52478-5	· ·			81	533/8	3					
16. GENERATOR'S CERTIFICATION: I hereby declare that the	contents of this consignment	t are fully	and accur	ately de	escribed above	by proper st	nipping name and are				
classified, packed, marked and labeled, and are in all respects in pr regulations and state laws and regulations.	oper condition for transport	by high	way accord	ling to	applicable inter	nátional and	national government				
If I am a large quantity generator, I certify that I have a program in place practicable and that I have selected the practicable method of treatmen	it, storage, or disposal currer	ntly avail	able to me	which i	minimizes the p	resent and f	uture threat to human				
health and the environment; OR if I am a small generator, I have made a me and that I can afford.		o my wasi	e and sele	Ct trie bi	est waste manai	gement meu					
Printed Typed Name CAIL F. MILLER	Signatura /	n	llu)			Mo. Day Year				
17. Transporter 1 Acknowledgement of Receipt of Materials	2 0004 4.				į		111110				
Printed Typed Name	Signature	\subseteq	4A			-	Mo. Day Year				
18. Transporter 2 Acknowledgement of Receipt of Materials	بعجر	<u> </u>	~~	,	· · · · · · · · · · · · · · · · · · ·		09.11.00				
Printed/Typed Name	Signature						Mo. Day Year				
19. Discrepancy Indication Space						1					
actual Red 695601	garage de la companya			· .							
20. Facility Owner or Operator: Certification of receipt of hazardous n	naterials covered by this m	manifest	except as	noted	in Item 19.	-					
Printed Typed Name / Lechowski	Signature	n .	(Kel	cl	ows	he.	09 71 00				



Driver's Comments

69302

Subject Verde

WASTE MANAGEMENT	Model City,	NY			Cubic Yards	106300 LB 6 2
	, , , , , , , , , , , , , , , , , , ,	120 1 2		8 /	16:32	
81533	152	- 114 6	- 085	N	09/11/6)()
Receipt #	-/	Trailer License I	Plate # and State			
Service Reg. N	Profile		1 1 4 L			
USBI	OR Fare	2/·	· ·			34640 LB 6 1
Transporter Na	me?	Tracto	t/Trailer/Roll-off #	1 1 12.	19:23	
Driver's Name		Genera	tor D	Kod Frend	^{CA √} 99/11/! +	n110100
Scheduled A	rrival:					1114
Actual Arrival	Date .	Time				
Actual Arrival		Time In	Time Out			
Arrived during	ng Blackout?		fied DEC? Y / N	Rece	iving:	
Leaker	Permit Viol	ation Plac	carding/Veh. I.D. Vio	1	Initials	Comments
Other (spe	cify	ANS -1982-11				
Bulk to Lar	ndfill No	wet line Fl	atbed Stabi	lization Drum	Tanker	Transformers
Laboratory						
,	Time In	Time Out	Initials	Comments		
Stabilization						
Stabilization	Time In	Time Out	Initials	Gross Wt.	Comments	
		,,,,,,		4 ,000 11,1		
						The second secon
Landfill	Time In	Time Out	Initials			
	ime m	Time Out	muais	Comments		
Other						
	Time In	Time Out	Initials	Comments		
Truck Wash						
	Time In	Time Out	Signature (<u>NO</u> In	itials)	Comments	
Facility Pe	rsonnei (plea	se initial)				
	Smoking o	r eating in prohibite	d areas	**************************************	Leaving tru	ck unattended
	p=				· 	
	Fallure to d	bey instructions of	facility personnel		Failure to d	isplay overweight flag
	Failure to v	wear appropriate Pf	PE		Improper ta	rping or detarpin
		•				
	Unsafe driv	ving practices			Overweight	upon arrival
***************************************	Other (spe	cify)	MANAGEMENT OF THE STATE OF THE			
****	• •					
					rity Guard Initials	
				(Indica	iting receipt of Was	sh Bay pass, if necessary)

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS **HAZARDOUS WASTE MANIFEST**

Please type or print. Do not staple.

in case of emergency or spiil immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

FACILITY

P.O. Box 12820, Albany, New York 12212

<i>;</i>	UNIFORM HAZARDOUS WASTE MANIFEST M A 7 Q 1 0 0 2 5 1 5 4 0 0	lest Doc. No. 1,2,2,3		monnac		n heavy bold line y Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS	,	^ NYB9396063			
	BLDG 1650 FORT DEVENS MA 01432 4. Generator's Telephone 97/78er 796 - 3784	B. Generator's ID Study Area 71				
	5. Transporter 1 (Company Name) 6. US EPA ID Number 6. US EPA ID Number 6. US EPA ID Number		ate Transporter's ansporter's Telec		64063 NY	
	7. Transporter 2 (Company Name) 8. US EPA ID Number		E. Sta	ate Transporter's	ID)
	Designated Facility Name and Site Address 10. US EPA ID Number	<u> </u>		ate Facility ID		
	CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107 N,Y,D,0,4,9,8,3,6		cility Telephone	•) 1	
	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Cont		13. Total Quantity	14.Unit Wt/Vol	1 1
	a.RQ, HAZARDOUS WASTE, SOLID, N.O.S, 9,NA3077,III, (LEAD)			Estimate		წბი8
	b.	001	D T	6,4,0,0,6	P	STATE EPA
TOR	o.					STATE
GENERATOR	С.				-	EPA
g				1 1 1 1		STATE
	d.					EPA
						STATE
	J. Additional Descriptions for Materials listed Above CR1000-LEAD CONTAMINATED SOIL a C C C C C C C C C C C C C C C C C C	•	K. Ha	ndling Codes for	Wastes	Listed Above
	b 1 • 1 d 1		ь		d	
	15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800)424-93	300 WM		ntract		
	ERG#171 SERVICE REQUEST# 52478-6		_	53315	-2	
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are f classified, packed, marked and labeled, and are in all respects in proper condition for transport by his					
. 1	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 practicable and that I have selected the practicable method of treatment, storage, or disposal currently at health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my we me and that I can afford.	vailable to me	which m	inimizes the prese	nt and fut	ture threat to human
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RTER	Printed/Typed Name Signature Signature	7 -A-				Mo. Day Year
TRANSPORTER	18. Transporter 2 Acknowledgement of Receipt of Materials	m			<i>U</i>	09,1,1,0,0
Æ	Printed/Typed Name Signature					Mo. Day Year
Ę	19. Discrepancy Indication Space Octual Reco 7/660	\$,0				
FACILITY	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manif Printed/Typed Name Signature	es except as	noted i	n Item 19.		Mo. Dav Year Y
	Munn Prochouski	Ilch)	Mil	1 les		79 71 100

Transporter Log CWM Chemical Services, Inc. Model City, NY

Driver's Comments

69305

Cubic Yards 102420 LB 6 2

17:11

Unsafe drivi				Overweight upon arrival
Unsafe driv	ing practices			Overweight upon arrival
				Overveleht upon errhiel
Failure to w	ear appropriate P	PE		Improper tarping or detarpin
Failure to of	bey instructions o	f facility personnel		Failure to display overweight flag
Smoking or	eating in prohibit	ed areas		Leaving truck unattended
rsonnel (pleas	se initial)			
		The second secon	·	
Time In	Time Out	Signature (<u>NO</u>	Initials) Comn	nents
Time In	Time Out	Initials 	Comments	
Time in	Time Out	laitiala nnualo	Commente	
Time In	Time Out	Initials	Gross Wt. Comm	nents
Time In	Time Out	Initials	Comments	
ndfill No	wet line F	latbed Sta	bilization Drums	Tanker Transformers
ecify				
			Receiving	Initials Comments
Date	Time In	Time Out		
Date	Time			
rrival·	Gener	ator J		09/11/00 67940
ame :	Traci	or/Trailer/Roll-off #	(Dogens	20:26
# Profile	# Per	mit #		34480 LB 5 1
7 C RK	` .	Plate # and State	and a conditional or an analysis of the conditional or analysis of the conditional or analysis of the condit	
3155	64133	NNY		09/11/00
	ame Arrival: Date Date I: Date Ig Blackout? Permit Viola Detrictly Imme In Time In	Profile # Pen Tract Same Tract Same Tract Same Tract Same Tract Same Time In Date Time In Date Time In Date Time In Date Time In Time In Time Out Time	Trailer License Plate # and State CR ICOC Permit # Profile # Permit # 365 365A Tractor/Trailer/Roll-off # S	Trailer License Plate # and State Profile # Permit # Profile # Permit # Sharp Factor/Trailer/Roll-off # Sharp Factor/Trailer/Ro

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST



Please type or print. Do not staple.

P.O. Box 12820, Albany, New York 12212

Generator's US EPA No. Manifest Doc. No. 2. Page 1 of **UNIFORM HAZARDOUS** Information within heavy bold line is not required by Federal Law. **WASTE MANIFEST** Generator's Name and Mailing Address NYB93960 US ARMY FORT DEVENS BLDG 1650 MA 01432 FORT DEVENS Generator's Telephone 97 Per 796 - 3784 SAME 6. US EPA ID Number Transporter 1 (Company Name) C. State Transporter's ID D. Transporter's Telephone Transporter 2 (Company Name) E. State Transporter's ID Transporter's Telephone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility ID CVM CHEMICAL SERVICES, L.L.C. H. Facility Telephone (1550 BALMER RD. N₁Y₁D₁O₁4₁9₁8₁3₁6₁6₁7₁9 716 754-8231 MODEL CITY NY 14107 14 Unit 13. Total 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Wt/Vol I. Waste No. Number | Type Quantity aRQ, HAZARDOUS WASTE, SOLID, N.O.S, 9,NA3077,III,(LEAD) Eshaste **5008** STATE 440000 b. **EPA** STATE **EPA** STATE EPA d. STATE K. Handling Codes for Wastes Listed Above Additional Descriptions for Materials listed Above CR1000-LEAD CONTAMINATED SOIL T Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800)424-9300 WMI Contract 81533155 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 Day Year 17. Transporter 1 Acknowledgement of Receipt of Materials ted/Typed Name Dav Year Jensen Transporter 2 Acknowledgement of Receipt of Materials Day Printed/Typed Name Mo. Signature Year 19. Discrepancy Indication Space 67940t 20. Facility Owner or Operator: Certification of receipt of hazardous materials cover d by this manifest except as noted in Item 19. Printed/Typed Name Signature rechowski

GENERATOR

Transporter Log CWM Chemical Services, Inc. Model City, NIV

69392

50

Cubic Yards

DIC TATUS

101620 LB 6 2

فريخ ي	, Model City	, NY			16:15	101010 LD 0 2
8153	3242	90 41	U-F-W	y	09/12/	00
Receipt #	200	Trailer License	Y−F−,√ Plate # and State	<u></u>		
56-460	0-5 CP		A545			
Service Reg. #	Profile	10	アフィグ	-0202		
Transporter Na		Tract	or/Trailer/Roll-off	#		31480 LE 6 1
KANOY	WARD			- Sugur	17:43	
Driver's Name		Gener	ator		09/12/	T0140+
Scheduled Ai	rrival: Date	,Time				, 101701
Actual Arrival			Time Ou	······································		
Arrived durin	ng Blackout?		ified DEC? Y	/ N	, bB	
Leaker	Permit Viol		carding/Veh. I.D.	Red	ceiving: //// Initials	Comments
Other (spec						
Bulk to Lan	ndfill N	o wet line	latbed St	abilization Dru	ms Tanker	Transformers
_aboratory						
	Time In	Time Out	Initials	Comments		
Stabilization						
	Time In	Time Out	Initials	Gross Wt.	Comments	WE WILL A STATE OF THE STATE OF
andfill					41.00	
	Time In	Time Out	Initials	Comments		
Other						
	Time In	Time Out	Initials	Comments		
ruck Wash						
•	Time In	Time Out	Signature (<u>N</u> C	O Initials)	Comments	
				Name of the State		
acility Per	rsonnel (plea	ase initial)				
	Smoking o	er eating in prohibite	ed areas	Alexander and Al	Leaving tru	ck unattended
	Fallure to	obey instructions o	facility personne	əl	Failure to d	isplay overweight flag
	Failure to	wear appropriate Pi	PE	-	Improper ta	rping or detarpin
	Unsafe dri	ving practices			Overweight	upon arrival
	Other (spe	city)				
		•		Soo	urity Guard Initial	•-

(Indicating receipt of Wash Bay pass, if necessary)

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS

Please type or print. Dò not staple.

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

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

CW	M 1
	11

	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA No. 0 0 2 5 ₁ 1 5		st Doc. No.	2. Pa	ge 1 of 1			heavy bold line Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650		·			A.	^ NYB9208188			
	FORT DEVENS MA 01432 A 4. Generator's Telephone Na Reper 796 - 378	ATTN: JIM 34	CHAMBERS	•		B. G	B. Generator's ID Study Arch 71			
	5. Transporter 1 (Company Name)		6. US EPA ID Nun V.V. ROOO	_	724			nsporter's er's Telepi		46A-F-N
	7. Transporter 2 (Company Name)								D	
	Designated Facility Name and Site Address						<u>_</u>	er's Teleph	one ()
	CWM CHEMICAL SERVICES,	L.L.C.	10. US EPA ID Nu	mber		G. 5	tate Fac	::::::::::::::::::::::::::::::::::::::		
	1550 BALMER RD. MODEL CITY NY 14107 N Y D 0 4 9 8 3 6 6 7 9							754-)
	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) 12. Cont Number						İ	Total uantity	14.Unit Wt/Vol	I. Waste No.
	aRQ, HAZARDOUS WASTE, S 9,NA3077,III,(LEAD)	OLID, N.	0.S,	2-90-0				14/E		9 008
	9, NA30//, III, (LEAD)				ορ,1	υŢ		0,0,0	Р	STATE
	b.									EPA
							1 1	.11		STATE
GENE	C.									EPA
					1.1.		1_1	1 1		STATE
İ	d.			:						EPA
						1		1 1		STATE
	J. Additional Descriptions for Materials listed Above CP1001 - LEAD SOIL	ve .				K. Ha	andling (Codes for \	Vastes L	isted Above
	<u>a</u>	l C			<u> </u>	а		<u></u>	С	
	 	ı d)	b			d	
	15. Special Handling Instructions and Additional In	nformation onse Numb	er (800)4	24-930	OO WM	I Co	ntr	act		
1	ERG#171 SERVICE REQUEST# 5 65 46	60-5				_		245	_	
	16. GENERATOR'S CERTIFICATION: I here classified, packed, marked and labeled, and are regulations and state laws and regulations.	in all respects in p	contents of this consignoper condition for tran	nment are full sport by high	ly and accur	rately de ling to a	scribed a	bove by pri	oper ship al and n	ping name and are ational government
	If I am a large quantity generator, I certify that I have practicable and that I have selected the practicable health and the environment; OR if I am a small genme and that I can afford.	e a program in place method of treatme	nt, storage, or disposal	currently ava	ilable to me	which n	ninimizes	the presen	t and futu	re threat to human
	Printed/Typed Name		Signature	7 m	ller	<u> </u>			. É	10. Day Year
1	17. Transporter 1 Acknowledgement of Receipt of	Materials							1 -	41182.1.5
	Printed/Typed Name RAWSHI W	ARD	Signature	wall	w	uc)		Õ	10. Day Year 9 1 2 0 0
	18. Transporter 2 Acknowledgement of Receipt of Printed/Typed Name	Materials	Signature	-						to. Day Year
1		·				<i>.</i>				
	Ostual Red 7	01408								- ,
	20. Facility Owner or Operator: Certification of rec	eipt of hazardous	· · · · · · · · · · · · · · · · · · ·	this manifes	except as	noted	in Item 1	19.		
	Printed Typed Name Hechowsk	<u>'</u>	Signature U	m (Kue	ho	WA	he	Ö	9 12 00
	COPY	′ 1—Dispose	r State—Mailed	by TSD	Facility	<i>i</i>	· · · · ·			

69383

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Cubic Yards

Driver's Name Scheduled A	rrival:	Gene.	ARINY rator		19:02 07/12/	33560 LB 6 1
Actual Arrival	l: Date	Time In	Time Ou		/	
Arrived durir	ng Blackout?		tified DEC? Y /	F	leceiving: Initials	Comments
Other (spe	ecify	action with the contract of th				,
Bulk to Lai	ndfill No	wet line	Flatbed St	abilization D	rums Tanker	Transformers
_aboratory	Time In	Time Out	Initials	Comments		· · · · · · · · · · · · · · · · · · ·
Stabilization	Time In	Time Out	Initials	Gross Wt.	Comments	
andfill						
	Time In	Time Out	Initials	Comments		
Other	Time In	Time Out	Initials	Comments		
ruck Wash	Time In	Time Out	Signature (NC) Initials)	Comments	
acility Pe	rsonnel (plea	ase initial)		, , , , , , , , , , , , , , , , , , , ,		
	Smoking o	r eating in prohibi	led areas		Leaving tru	ck unattended
	Failure to	obey instructions o	of facility personne	el	Failure to d	isplay overweight flag
	Failure to	wear appropriate F	PE	-	Improper ta	rping or detarpin
					Overweight	

Driver's Comments

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

Please type or print. Do not staple.

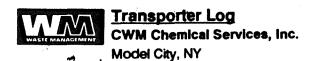
, DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212



Hazardous Waste Menitest 4/07)

-				T = -			
	UNIFORM HAZARDOUS		327	2. Pa	- Imoniau		n heavy bold line Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDC 1650			A.	NYB9	395	5955
	FORT DEVENS 4. Generator's Telephone 9,778er 796 - 3784	32			SAME 5	tudy	Area 71
	5 Transporter (Company Name)	6. US EPA ID Number	1		state Transporter's	ب س	2868HNY
	7. Transporter 2 (Company Name)	8. US EPA ID Number	PY		ransporter's Telepi		O 65TTSWB
					ransporter's Teleph)
	9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C.	10. US EPA ID Number		G. 5	State Facility ID		
	1550 BALMER RD. MODEL CITY NY 14107	N Y D 0 4 9 8 3 6	6 7 9	H. F	acility Telephone (8231	}
	11. US DOT Description (Including Proper Shipping Name, Hazar	rd Class and ID Number)	12. Cont		13. Total	14.Unit	
	aRQ, HAZARDOUS WASTE, SOLID, N	1.0.8.	Number	Туре	Quantity	Wt/Vol	I. Waste No.
	9,NA3077,III,(LEAD)		001	ЬΤ	4.4.0.0.0	P	STATE
	b.				1191010		EPA
5							STATE
ENERY	8						EPA
5			l				STATE
Ì	d.			 			EPA
			, ,				STATE
	J. Additional Descriptions for Materials listed Above CR1000-LEAD CONTAMINATED SOIL		<u></u>	К. Н	andling Codes for \	Vastes	Listed Above
	a		•	a	<u> </u>	С	
						d	
	15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Nur	Thom (800)/12/1-93	OO UM	I C	ontract	1 0	
	CHEMIKEC Emergency Response Num ERG#171 SERVICE REQUEST# 52478-9	iidei (000)424-33					
	SERVICE REGOLUTY DE TA		8/	<u>5</u>	33232	_	
	 GENERATOR'S CERTIFICATION: I hereby declare that it classified, packed, marked and labeled, and are in all respects in regulations and state laws and regulations. 	he contents of this consignment are function for transport by high	ully and accu phway accom	rately de	escribed above by pr	oper ship	oping name and are national government
	If I am a large quantity generator, I certify that I have a program in pleasticable and that I have selected the practicable method of treati	ment, storage, or disposal currently av	ailable to me	which :	minimizes the presen	at and fut	ure threat to human
	health and the environment; OR if I am a small generator, I have mad me and that I can afford.	11000	aste and sele	ct the b	est waste manageme		
	Painted/Typed Name	Signery Mu	llu)			0.9
	17. Transporter 1 Acknowledge The Ceipt of Materials Print (1/2) yed Name	Signatule) /	7	A-/		Mo. Day Year
Sinor	18. Transporter 2 Acknowled Carte Both Receipt of Materials	Dr all	fa	Ü	rafo		29,1,100
7	Printed/Typed Name	Signature -	1		7-3'		Mo. Day Year
	19. Discrepancy Indication Spaces 1 52200	P			Arm	ı I	2008
	20. Facility Owner or Operator: Certification of receipt of hazardou		<u></u>				Mos Day Veer
	Printed Toped Name Lechowski	Signature Signature	chou	131	u ·	P	9/200
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<u>1/5·33</u>	24/_	67061	N. n.y		16312	***
eceipt# 5 <i>4/60 -</i>	·c CR		Plate # and State		09/12/	700
ervice Req. #		Perr	nit #			
alato	Luel Corp		11-614/4			
ansporter Na	1		or/Trailer/Roll-off # Army For		455 - 46	32500 LB 6 1
iver's Name	که و تر روهم مدخ	Gener		, 45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19:40	
neduled Ar	rrival:				09/12/	58380P
	Date	Time	7			5 0 0001
ual Arrival:		<u> 160</u>	<u> </u>			
	Date	Time In	Time Out	F	//	3
rived durin	ng Blackout? Y	/ N Not	ified DEC? Y /	N Rec	ceiving:	,
Leaker	Permit Viola	tion Pla	carding/Veh. I.D. V		Initials	Comments
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Other (spec	city					, 3.
Bulk to Lan	ndfill No	wet line	iatbed 🔲 Sta	abilization Dru	ms Tanker	Transformers
ooratory			 		***************************************	
	Time In	Time Out	Initials	Comments		
bilization						
	Time In	Time Out	Initials	Gross Wt.	Comments	
ndfill						
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ner	Ti /	Time Out				
	Time In	Time Out	Initials	Comments		

ck Wash		T. 0.1	<u> </u>	1 141 I. 1		
	Time In	Time Out	Signature (<u>NO</u>	initiais)	Comments	
ailite Das	roomal (.					
cility Per	rsonnel (pleas	se initial)		•		
	Cki co		-d ana-a		l manda a dana	ak washandad
	Smoking or	eating in prohibite	ed areas		Leaving tru	ck unattended
	Failure to of	bey instructions o	f facility personnel	· · · · · · · · · · · · · · · · · · ·	Failure to d	isplay overweight flag
	Fallura ta	aar annsansista M	DE	-	lmacenes de	rning or determin
	railure to W	ear appropriate P	r s		improper u	rping or detarpin
	Unsafe drivi	ing practices		- Company of the Comp	Overweight	tupon arrival
		•				
	Other (spec	lfy)				
				Sec	urity Guard Initial	s·
			·			sh Bay pass, if necessary)

Driver's Comments

White: Records Green & Canary: Accts Rec.

Pink: Environmental

Goldenrod- Driver

STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



Plea

HAZARDOUS WASTE MANIFEST P.O. Box 12820 Albany New York 12212

	12020, Albany, New 10					
* UNIFORM HAZARDOUS * WASTE MANIFEST **M A 7 12 11	US EPA No. Manifes 10 10 12 15 11 15 14 0 0	st Doc. No. 328		iniomau		n heavy bold line Federal Law.
3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650			A.	NYB9		
FORT DEVENS 4. Generator's Telephone 978er 796-3784			B. G	SAME	יטא	A/Z4 71
5_Transporter 1 (Company Name)	6. US EPA ID Number			tate Transporter's		
7. Transporter 2 (Company Name)	NY 13000045	1/CIY		ransporter's Telepi tate Transporter's		CO 1677 9003
7. Hansporter 2 (company Hamo)				ransporter's Teleph)
Designated Facility Name and Site Address	10. US EPA ID Number	·	G. S	state Facility ID		
CWM CHEMICAL SERVICES, L.L.C.						
1550 BALMER RD. MODEL CITY NY 14107	N,Y,D,O,4,9,8,3,6	6.7.9	H. F	acility Telephone ()
		12. Conta	ainers	13. Total	14.Unit	
11. US DOT Description (Including Proper Shipping Name, Hazard	Class and ID Number)	Number		Quantity	Wt∕ Voi	i. Waste No.
aRQ, HAZARDOUS WASTE, SOLID, N. 9,NA3077,III, (LEAD)	0.S,			ESTIMATE		ზბი8
9,NA3077,III,(LEAD)		001	T, O	44000	P	STATE
b.						EPA
			,	1 1 1 1		STATE
c.						EPA
		1 1	ı	1 1 1 1		STATE
d.						EPA
			1			STATE
J. Additional Descriptions for Materials listed Above			K. Ha	andling Codes for \	Vastes	isted Above
CR1000-LEAD CONTAMINATED SOIL	1 •		а	T	l c	
		·				
			ь		d	
15. Special Handling Instructions and Additional Information	(800) 2 03	00 1214	T C			
CHEMTREC Emergency Response Number RG#171	per (800)424-93	OO WM	ı Co	ontract		
SERVICE REQUEST# 565460-2			(?15332	41	
16. GENERATOR'S CERTIFICATION: I hereby declare that the	contents of this consignment are ful	lly and accur	ately de			poing pame and are
classified, packed, marked and labeled, and are in all respects in p regulations and state laws and regulations.						
If I am a large quantity generator, I certify that I have a program in place practicable and that I have selected the practicable method of treatments						to be economically
health and the environment; OR if I am a small generator, I have made me and that I can afford.						
Prinled Typed Name MILLER	Signatule Dill	Mil	In		./	Mo. Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials						1110000
Printed/Typed Name	Signature	1				Mo. Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials	1 mm/s	<u> </u>				79,1,200
Printed/Typed Name	Signature					Mo. Day Year
19. Discrepancy Indication Space				. =		
Actual Red 583	80°C					g-2-
20. Facility Owner or Operator: Certification of receipt of hazardous	materials covered by this manifes	st except as	noted	in Item 19.	Au Co.	na ar i jaar
Printed/Typed Name	Signature	Vior	1	will.		Mo. Day Year

TRANSPORTER

FACILITY

IV.VAVA	Transpo	orter Log		69388	<u> </u>	
WASTE MANAGEMEN	CWM Che	emical Services,	Inc.		Cubic Yards	
	Model City	y, NY			9	7680 LB 6 2
ه شری بر		7			15:59	
8/.5	337-50	18	14137427		50 140 100	
Receipt # 5	65460-1	Trailer License	Plate # and State		09/12/00	
(C)00	O CE	1000	945-75 nit#			
Service Req. i		e# Pen ∕	nit#			
Transporter Na		Tenat	SGI 68307	A	19:05	33820 LB 6
Van	. _\					
Driver's Name	m pen	Gener	etor	¥	09/12/	116
		9				638601
Scheduled A	Arrivai: Date	Time				620
Actual Arrival	= : :	11110	-)			
TOLUM ATTIVAL	Date	Time In	Time Out			
					7 -5	
Arrived durii	ng Blackout?	Y/N Not	ified DEC? Y /	'N B	eceiving:	
T Laskas	Permit Vic	detice Dis	ncarding/Veh. I.D. \	<u> </u>		omments
Leaker	Permit vic	Station Fix	icarding/ven. i.b.	Violation		
Other (spe	ecify			_		
aboratory	Time In	Time Out	Initials	Comments		
Stabilization						
J. GO., LGC.	Time In	Time Out	Initials	Gross Wt.	Comments	
		· · · · · · · · · · · · · · · · · · ·				
.andfill						
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)thor						
Other	Time In	Time Out	Initials	Comments		
	ining iii	rime Out	nnudis	Comments		
ruck Wash						
	Time In	Time Out	Signature (NC	Initials)	Comments	
anilia. D-	roomat (
acinty Pe	rsonnel (ple	ease initial)				
	Smoking	or eating in prohibit	ed areas		Leaving truck ur	nattended
	.		d d 191a			
		or eating in prohibit obey instructions o				raπended y overweight flag

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)	

Driver's Comments

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS

Plea

	2820, Albany, New Yo		2		(Haz	J zardous Waste Manif	CWM
UNIFORM HAZARDOUS 1. Generator's		st Doc. No.		ge 1 of Information		n heavy bold lin	
WASTE MANIFEST MA721	002515400	1329				Federal Law.	
Generator's Name and Mailing Address SECTION OF THE SECTI			A.	NYB9	30.	5991	
BLDG 1650			B. G	enerator's ID	336	<u> </u>	
FORT DEVENS MA 01432 4. Generator's Telephone (766) FORT DEVENS MA 01432			l .	SAME STO	ey w	BH- 11	
5. Transporter 1 (Company Name)	6. US EPA ID Number			tate Transporter's I		8143H2	
	NYRO DOOUS	724		ransporter's Teleph		00/6778	8224
7. Transporter 2 (Company Name)	8. US EPA ID Number			tate Transporter's I		1	
Designated Facility Name and Site Address	10. US EPA ID Number			tate Facility ID	<u> </u>		$\neg \neg$
CWM CHEMICAL SERVICES, L.L.C.							
1550 BALMER RD.			H. F	acility Telephone (2024)	
MODEL CITY NY 14107	N ₁ Y ₁ D ₁ O ₁ 4 ₁ 9 ₁ 8 ₁ 3 ₁ 6	12. Conta	inom	716 754-	823 1 14.Unit	<u> </u>	
11. US DOT Description (Including Proper Shipping Name, Hazard C	Class and ID Number)	Number		Quantity	Wt/Vol	I. Waste N	lo.
apo HAZAPDOUS MASTE SOLID N	0.5.		75.	Ethate		Боов	
arq, hazardous waste, solid, N. 9,Na3077,III,(LEAD)	•				. I	STATE	
		001	T C	440000	P		
b.						EPA ·	
		1 1	,			STATE	l
C.			/			EPA	
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d.		1 1.				EPA	
, u.							
		, ,	,	1 1 1 1	i	STATE	
J. Additional Descriptions for Materials listed Above			K. Ha	andling Codes for V	Vastes L	isted Above	
a CR1000-LEAD CONTAMINATED SOIL	1	• 1	а	T	c		╛┃
							_]
b <u> • d</u>			ь		ď	L	╛
15. Special Handling Instructions and Additional Information							
CHEMTREC Emergency Response Numb	er (800)424-930	OO WM			6 -		
SERVICE REQUEST# 565460-1			81	15332	38		-
16. GENERATOR'S CERTIFICATION: I hereby declare that the	contents of this consignment are ful	ly and accur	ately de	scribed above by pro	oner shin	nning name and	are
classified, packed, marked and labeled, and are in all respects in pr regulations and state laws and regulations.				pplicable internation			
If I am a large quantity generator, I certify that I have a program in place practicable and that I have selected the practicable method of treatmer	to reduce the volume and toxicity of	f waste gene	rated to	the degree I have de	termined	to be economic	cally
health and the environment; OR if I am a small generator, I have made a me and that I can afford.							
Printed/Typed Name	Signature // (///	1//)		N	Mo. Day	Year
GAIL F. MILLER	May 4 111	M	<u>ر</u>		0	191121	00
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name KEVIN M. HENRY	Signature	A.		1	Č		Year
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name	Signature				N	اo. Day ۱	Year
19. Discrepancy Indication Space				-			4
Octual Recid 63860P	·			1 1 -			
20. Facility Owner or Operator: Certification of receipt of hazardous r	naterials covered by this manifes	st except as	noted	in Item 19.			
Printed/Typed Name	Signature	1.1.	7,1	11:	K	Day Pay	1985

TRANSPORTER

FACILITY

	Transporte	er Log cal Services, i	ne	69389	46	//
WASTE MANAGEMENT	. Model City, N				Cubic Yards	94720 LB 6 2
*\$ 5 3 Receipt # 56 5 46	3239 0-2 (2)	207/17 Trailer License F			16:01 09/12/0)Q
Service Req. # Transporter Na Driver's Name Scheduled Al	BFC me KUN	Pěrm	840 684 Trailer/Roll-off # PALIFY FOR	ICA T <u>DEV</u> ENS	19:17 09/12/0	31900 LB B 1 00 (07820P)
Actual Arrival	Date	Time / S	Time Out			
Arrived durin	ng Blackout? Y	/ N Notif	ied DEC? Y /	N R	eceiving:	
Leaker	Permit Violati	on Plac	arding/Veh. I.D. Vi		Initials	Comments
Other (spe	cify			***************************************		A.
Bulk to Lar	ndfill No w	et line	ntbed Stat	oilization D	rums Tanker	Transformers
Laboraton						-
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 (<u>NO</u> I	Initials)	Comments	
Facility Per	rsonnel (please	initial)				
	Smoking or e	ating in prohibite	d areas		Leaving truc	k unattended
	Failure to ob	ey instructions of	facility personnel		Fallure to di	splay overweight flag
	Failure to we	ar appropriate PP	E		Improper tai	ping or detarpin

_____Unsafe driving practices

_____Other (specify) _

Overweight upon arrival

STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



Please type or print. Do not staple.

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

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

CWMI
)

	I UNIFORM HAZABIJOUS !	Generator's US EPA No.	Manifest		2. Pa	- I mornau		n heavy bold line v Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS		12_12_13_13_13_13_13		A.	NYB9	391	anna
	BLDG 1650 FORT DEVENS MA	01432			В. С	ienerator's ID		
	4. Generator's Telephone 9.76 er 796 – 3784 5. Transporter 1 (Company Name)	6. US EPA	ID Number			SAME tate Transporter's		
	BUFFALD FUEL CORP	NYRO	0.0045	724	D. T	ransporter's Telepi	попе 🙀	
	7. Transporter 2 (Company Name)	8. US EPA	ID Number	, ,		tate Transporter's l)
	9. Designated Facility Name and Site Address	10. US EPA	· · · · · · · · · · · · · · · · · · ·		G. 5	tate Facility ID		
	CWM CHEMICAL SERVICES, L.1 1550 BALMER RD. MODEL CITY NY 14107		,4 ,9 ,8 ,3 ,6 ,6	7.9	Н. F	acility Telephone (823:) 1
	11. US DOT Description (Including Proper Shipping Nat		lumber)	12. Conta		13. Total Quantity	14.Unit Wt/Vol	I. Waste No.
	a.RQ, HAZARDOUS WASTE, SOLI 9,NA3077,III,(LEAD)	ID, N.O.S,			.,,,,,	Estimate		5 008
	-		<u>þ</u>	0 1	D T	44000	P	STATE
Ę,	b.							EPA
ENERATOR	C.			1_1	1			STATE
GEN	. C.							STATE
	d.				ı			EPA
	•							STATE
	J. Additional Descriptions for Materials listed Above			4-4-	K. Ha	andling Codes for V	Vastes i	Listed Above
	a CR1000-LEAD CONTAMINATED	SOIL			а	T	c	
	b • 15. Special Handling Instructions and Additional Information	d ation			b		d	
	CHEMTREC Emergency Response ERG#171 SERVICE REQUEST# 56546	e Number (80	0)424-930	o wm:	I Co	ontract 81533	a 3	9
	GENERATOR'S CERTIFICATION: I hereby dec classified, packed, marked and labeled, and are in all regulations and state laws and regulations.	clare that the contents of this respects in proper condition	consignment are fully for transport by highw	and accura	ately de	scribed above by propplicable internation	oper ship al and r	oping name and are national government
	If I am a large quantity generator, I certify that I have a pro- practicable and that I have selected the practicable meth- health and the environment; OR if I am a small generator,	od of treatment, storage, or o	lisposal currently availa	able to me	which r	ninimizes the presen	t and fut	ure threat to human
	me and that I can afford. Printed/Typed Name () AIL F MILLER	Signature	I & Mil	ler)		}	Mog Day Year
٦	17. Transporter 1 Acknowledgement of Receipt of Mater		70					11111111111
TRANSPORTER	Printed/Typfd Name 18. Transporter 2 Acknowledgement of Receipt of Mater	Signature	and C	9	te	my 5	ا	Mo. Day Year
TRA	Printed/Typed Name	Signature	·.				1	Mo. Day Year
È	19. Discrepancy Indication Space Uttual Pecch 6	2820P		- 13×.	- "			
FACILITY	20. Facility Owner or Operator: Certification of receipt of		red by this manifest	except as	noted	in Item 19.		
	Mnn Piechowski	Signature	Syn &	uch	ou	Alu	<u>ر</u> ک	12 00
i.	COPY 1I	Disposer State-M	ailed by TSD F	acility	Anna 2	Produktiva John Sandradia	er Specificans	erina di Salahari Perina di Salahari Perina di Salahari
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ervice Req. I			nit #			
ansporter Na	ume	Tracti	or/Trailer/Roll-off#	<u>a</u>	19124	33440 LB 6 1
iver's Name	Mandas	Genera	or/Trailer/Roll-off #	HOUND	09/12/	33440 LB 6.1 60 53820
neduled A	rrival:	307,011	, , , , , , , , , , , , , , , , , , ,			550
ual Arrival	Date	Time /				
uai Allivai	Date	Time In	Time Out			
rived durir	ng Blackout? Y	/ N Not	ified DEC? Y / N		Receiving:	7
Leaker	Permit Viola	tion Pia	carding/Veh. I.D. Viol		Initials	Comments
Other (spe	city			L-		
Bulk to Lar	ndfiil No	wet line	latbed Stabil	lization	Orums Tanker	Transformers
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ooratory	Time In	Time Out		Comments		
		71110 000	nnuero			
bilization						
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- 4011		•				
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ner		T	1-24-1-			
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	Time In	Time Out	Signature (<u>NO</u> In	itials)	Comments	
cility Pe	rsonnel (pleas	e initial)				
		,				
	Smoking or	eating in prohibit	ed areas		Leaving true	ck unattended
	Failure to of	bey instructions o	f facility personnel		Failure to di	splay overweight flag
	Failure to w	ear appropriate P	PE .		Improper ta	rping or detarpin
		-				
	18				Overweight	upon arrival
	Unsafe drivi	ng practices				•

White: Records

STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



Please type or print. Do not staple.

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

UNIFORM HAZARDOUS 'WASTE MANIFEST	1. Generator's	US EPA No.		st Doc. No.) ス3 /	2. Pa	· I moman		n heavy bold line Federal Law.
Generator's Name and Mailing Address		V V Z 5 1	O 4 12 12		A.			
US ARMY FORT DEVENS BLDG 1650	MA 04/120	,			B. G	NYB9		
FORT DEVENS 4. Generator's Telephone \$176 er 796 - 378	MA 01432	2				SAME Sh	uey A	ret 71
5. Transporter 1 (Company Name)		6. US EPA ID N	lumber			tate Transporter's	10242	TLYA-NU
Buffalo Fuel Coas		NYLOO	0,0,45	124	D. T	ransporter's Telep	hone 8	00 XIT-8013
7. Transporter 2 (Company Name)		8. JUS EPA ID N		7	E. S	tate Transporter's	ID	
				1 1 1	F. T	ransporter's Telep	hone ()
Designated Facility Name and Site Address		10. US EPA ID	Number		G. S	state Facility ID		
CWM CHEMICAL SERVICES,	L.L.C.	1						
1550 BALMER RD.					H. F	acility Telephone)
MODEL CITY NY 14107		$N_1Y_1D_1O_14$	9 18 13 16		L	716 754-	_	
11. US DOT Description (Including Proper Shippin	ig Name, Hazard	Class and ID Num	ber)	12. Cont		13. Total	14.Unit	
				Number	Туре	Quantity	Wt/Vol	I. Waste No.
arq, Hazardous Waste, S 9,Na3077,III,(LEAD)	OLID, N.	0.8,				Estimate		₽\$08
9,NA3077,III,(LEAD)				h A 4	n 7°	4,4,0,0,0	В	STATE
b.				υμ	ا ر ط	1 1	-	EPA
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J. Additional Descriptions for Materials listed Above	e				K. H	andling Codes for	Wastes i	isted Above
CR1000-LEAD CONTAMINAT		*				T	1	
a Onto		***************************************		<u>• </u>	а	<u> </u>	c	
b •	l q			• 1	b		d	
15. Special Handling Instructions and Additional In	formation							[
CHEMTREC Emergency Respo	nse Numl	ber (800)	424-93	OO WM	ı Co	ontract		
SERVICE REQUEST# 5765460-4 81533240								
 GENERATOR'S CERTIFICATION: I heret classified, packed, marked and labeled, and are in 								
regulations and state laws and regulations.		•		•	•			
If I am a large quantity generator, I certify that I have practicable and that I have selected the practicable								
health and the environment; OR if I am a small gene me and that I can afford.	rator, I have made	a good faith effort to	minimize my wa	iste and seie	ct the be	est waste manageme	ent metho	d that is available to
Printed/Typed Name		Signature 1	(/n.	11				Mo. Day Year
HAIL F. MILLER		1 XIau	AINT	ller	j	÷	./	19.12.00
17. Transporter 1 Acknowledgement of Receipt of	Materials)				
Printer Typed Name		Signature	2 _ 1	1			N	Mo. Day Year
MOSEPLT WHOLES	(Add	ITK	les-			E	9,1,2,00
18. Transporter 2 Acknowledgement of Receipt of	Materials	7//						
Printed/Typed Name		Signature	-	<i>-</i>			1	Mo. Day Year
		V	·					<u>, , , , , , , , , , , , , , , , , , , </u>
19. Discrepancy Indication Space	- ^	<u> </u>						
(letual feed 5	3820F							
			by this	ct ava==4 -5		in Itom 10		
20. Facility Owner or Operator: Certification of rece	·	···) unis manife	or except as	noted	A		Mo Day Yaar
Printed/Typed Name Lann Lechows	<i>(</i> '	Signature	11 (/)	. // `		Mo. Day Year

Date 9/6/00 9/6/	WMNH(Turn 9/6/00 and 9/ Loads 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Truck Martin Powers Admat Conner # 1 Conner J & J Northern East Coast East Coast East Coast Wisdom Martin Admat Powers Conner Conner J & J Northern East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast	Reg # 911098 912387 AR2487 AR1702 520787 AR3338 43756 4299AP AR3650 4300AP AR1656 Wisdom 911098 AR2487 912387 Conner AR1702 AR3338 43756 AR3650 AR4300	Gross 94020 98920 96760 91120 95420 103240 98440 92360 89020 93100 105100 105600 115300 109600 112000 102300 107660 101680 101980 103440	3935 3944 Tare 38320 37760 37140 36940 38280 36020 36020 36960 36220 35760 36600 37140 37500 37500 37500 37500 36900 36900	Tons 55700 61160 59620 54180 57140 65220 62420 54160 56880 69340 69000 77200 72460 71240 74500 65400 69860 66180 66080	Net 27.85 30.58 29.81 27.09 28.57 32.61 31.21 27.08 26.03 28.44 34.67 34.5 36.23 35.62 37.25 32.7 34.93 33.09
Date 9/6/00 9/6/	WMNH(Turn 9/6/00 and 9/ Loads 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Truck Martin Powers Admat Conner # 1 Conner J & J Northern East Coast East Coast East Coast Wisdom Martin Admat Powers Conner J & J Northern East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast	911098 912387 AR2487 AR1702 520787 AR3338 43756 4299AP AR3650 4300AP AR1656 Wisdom 911098 AR2487 912387 Conner AR1702 AR3338 43756 AR3650	94020 98920 96760 91120 95420 103240 98440 92360 89020 93100 105100 105600 115300 109600 112000 102300 107660 101680 101980	3944 Tare 38320 37760 37140 36940 38280 38020 36020 38200 36960 36500 36700 37500 37500 37500 37500 37500 37500 37500 37500	55700 61160 59620 54180 57140 65220 62420 54160 52060 56880 69340 69000 77200 72460 71240 74500 65400 69860 66180	27.85 30.58 29.81 27.09 28.57 32.61 31.21 27.08 26.03 28.44 34.67 34.5 36.23 35.62 37.25 32.7 34.93
Date 9/6/00 9/6/	9/6/00 and 9/6/00 and	Truck Martin Powers Admat Conner # 1 Conner J & J Northern East Coast East Coast East Coast Wisdom Martin Admat Powers Conner Conner J & J Northern East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast	911098 912387 AR2487 AR1702 520787 AR3338 43756 4299AP AR3650 4300AP AR1656 Wisdom 911098 AR2487 912387 Conner AR1702 AR3338 43756 AR3650	94020 98920 96760 91120 95420 103240 98440 92360 89020 93100 105100 105600 115300 109600 108740 112000 102300 107660 101680 101980	Tare 38320 37760 37140 36940 38280 38020 36020 38200 36960 36100 37140 37500 37500 36900 37800 35500 36900	55700 61160 59620 54180 57140 65220 62420 54160 52060 56880 69340 69000 77200 72460 71240 74500 65400 69860 66180	27.85 30.58 29.81 27.09 28.57 32.61 31.21 27.08 26.03 28.44 34.67 34.5 36.23 35.62 37.25 32.7 34.93
9/6/00 9/6/00	Loads 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Truck Martin Powers Admat Conner # 1 Conner J & J Northern East Coast East Coast East Coast Wisdom Martin Admat Powers Conner Conner J & J Northern East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast East Coast	911098 912387 AR2487 AR1702 520787 AR3338 43756 4299AP AR3650 4300AP AR1656 Wisdom 911098 AR2487 912387 Conner AR1702 AR3338 43756 AR3650	94020 98920 96760 91120 95420 103240 98440 92360 89020 93100 105100 105600 115300 109600 108740 112000 102300 107660 101680 101980	38320 37760 37140 36940 38280 38020 36020 38200 36960 36500 37140 37500 37500 37500 37500 37800 37800 36900	55700 61160 59620 54180 57140 65220 62420 54160 52060 56880 69340 69000 77200 72460 71240 74500 65400 69860 66180	27.85 30.58 29.81 27.09 28.57 32.61 31.21 27.08 26.03 28.44 34.67 34.5 36.23 35.62 37.25 32.7 34.93
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9/6/00 9/6/00	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	J & J Northern East Coast East Coast East Coast Admat Wisdom Martin Admat Powers Conner Conner J & J Northern East Coast	AR3338 43756 4299AP AR3650 4300AP AR1656 Wisdom 911098 AR2487 912387 Conner AR1702 AR3338 43756 AR3650	103240 98440 92360 89020 93100 105100 105600 115300 109600 108740 112000 102300 107660 101680 101980	38020 36020 38200 36960 36220 35760 36600 37140 37500 37500 37800 37800 35500 36900	65220 62420 54160 52060 56880 69340 69000 77200 72460 71240 74500 65400 69860 66180	32.61 31.21 27.08 26.03 28.44 34.67 34.5 38.6 36.23 35.62 37.25 32.7 34.93 33.09
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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMF. 40,0035 nor manifesting under 310 CMF. 30,000

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Material Shipping Record & Log

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Material Shipping Record & Log

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Material Shipping Record & Log

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For the shipment of contaminated soil, urban fill, and dredge materials **rot** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

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Material Shipping Record & Log

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For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under

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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **rot** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30,000

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Material Shipping Record & Log

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Material Shipping Record & Log

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For the shipment of contaminated soil, urban fill, and dredge materials pot subject to management under

Load Information	
Signature for françaiser	LOAD #: 2
Receiving facility 9-06-00 Time received 9-06-00 S Co. Date of shipment AL2487 NA Truck/Tractor registration 0.521489 M.E	Receiving facility 19.06.00 Date ecceived Trine received 10.00pm Time of shipment AR2 187 NM Truck/Tractor registration 052 148 9 M6(36.2)
Tailer registration 39 87 oad size (cubic yents/tons)	Trailer registration Load size (cubic yerds/tons)
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving facility
Date received	Date received
Time received	Time received
Date of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truct/Tractor registration
Trailer registration	Trailer registration
oad size (cubic yards/tons)	Load size (culbic yards/tons)
	-

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Total volume this page (cubic yards/tons) Total carried forward (cubic yards/tons)

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Load Information	
LOAD #: i	LOAD #:
Signature of infrestrated SUSTON 3	Signature of transporter
Receiving tacility	Receiving lacility
Department - Co-Co	Date received
Time received 30 ST	Time received
Date of shipment 9 - C - 2000	Date of shipment
Tame of shipment 7:45	Time of shipment
Truck/Tractor registration He 9(238)	Truck/Tractor registration
Trailer registration 54 - 050780	Trailer registration
Load size (Cubic yerds/tons)	Load size (cubic yerds/tons)
LOAD #: 2 Alex	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving facility
Date received 2 r	Date received
Time received	Time received
Date of shipment 9 La - 2000	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Trailer registration

35.62

Total carried forward (cubic yards/tons)





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Material Shipping Record & Log

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Page

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

Load Information	
LOAD #: /	LOAD#:
Signature of warsporter Turn- Key Lyn Burk	Signature of transporter
Receiving tacility 9-1-00	Receiving lacility
Date received 86763C	Date seceived
Time received 9-6-00	Time received
Date of shipment	Date of shipment
Time of shipment Conner, w.M.	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration 28.57	Trailer registration
oed size (cubic yertis/tons)	Load size (cubic yerds/rom)
LOAD #: 2	LOAD#:
Signature of transporter Turn- Key	. Signature of transporter
Receiving facility 9-6-00	Receiving lacility
more registed more of The	Date seceived
Time received 9-6-00	Time received
Date of shipment / 2:45 pm -	Date of shipment
Time of shipment Conner, N.H.	Time of shipment
Truck/Traction registration (5720787), M.K.	Truck/Tractor registration
Trailer registration	Trailer registration
Load size foulvic yerots/hone)	Lord sire (cubic yents/rons)

K Log Sheet Volume Information

PACE NO SECURITION OF THE CONTRACTOR OF THE CONT	37.21
Total volume this page (cubic yards/tons)	468.89
Total carried forward (cubic yards/tons)	506,14



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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials inst subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	\sim (1)
LOAD #:	LOAD #:
Den Local	en en en en en en en en en en en en en e
Signature of transporter Sym Bull	Signature of transporter
Receiving facility 9-6-CC	Receiving lacility
Date received 865679	Date received
Time received	Time received
Date of shipment	Date of shipment
Time of shipment id RIJUZ	Time of shipmen
Truck/Tractor registration	Truck/Tractor registration
17ailer registration 0520599 27.57	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yerds/tons)
LOAD#: Z	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility 9-6-60	Receiving facility
Date régerred	Date received
Time received (- (a - Ci)	Time received
Date of shipment 17:50	Date of shipment
Time of shipment ARTOZ	Time of shipment
Truck/Tractor registration 05720599	Truct/Tractor registration
Trailer registration 324	Trailer registration
Load sire (cubic yards/tons)	Load size (cubic yerds/tons)

Log Sheet Volume Information

32.70	Page of
Total volume this page (cubic yerds/tons) 506 14	
Total carried forward (cubic yards/tons) 337.84	
Total carried innuard and this name (cubic yearts/tons)	



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Material Shipping Record & Log

Tracking Number

For the shipman of contaminated soil, urban fill, and dredge materials not subject to management under section 370 CMR 40 0035 nor manifesting under 310 CMR 30.000

Load Information	÷ .	
LOAD #: /		LOAD #:
Signature duransported	San O	Signature of transporter
Receiving facility	861681	Receiving lacitity
Date received	32.61	Date received
Time received 9/4/00		Time received
Date of shipmen 8 1 1 5 AM		Date of shipment
Time of Shipment	H .	Time of shipment
Incl/Inctor registration 0520720		Truck/Tractor registration
Trailer registration		Trailer registration
Load size (cubic yerds/toris)		Load size (cubic yants/ions)
LOAD #:	Λ	LOAD #;
Signature of Marsporter	Some_	Signature of transporter
Receiving lacility		Receiving lecility
Date received Dm	S16016	Doing received
Time received	J 11001	Time received
Date of shipment	en en constant purident e en	Date of shipment
Time of shipment AR3338 N.H		Time of shipment
Truck/Tractor registration 0520720 M		Truck/Tractor registration
Trailer registration 25 405	74 9A	Trailer registration
Load size (cubic yerdsAons)		Load size (cubic yards/tons)

K	Log	Sheet	<i>Volume</i>	Information
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34.93	
Total volume this page (cubic yards/tons) 53 P. 8 f	
Total carried forward (cubic yards/tons) 573,77	
Total carried forward and this page (cubic yards/tons)	

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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under

Load Information	
AD#:	LOAD #:
Ellett	
Turkey Koche	f M f Signature of transporter
riving facility.	Receiving lecility
96600 - Ac	S(095 Date received
accivity	Time received
9-6 DE	Date of shipment
e of shipmen 66878	Time of shipment
t/Tractor registration	Truck/Tracker registration
M. G. 43.756 Er régissation	Trailer registration
d size (cubic yerds/tons)	Load size (cubic yerds/tons)
AD#: Atte	LOAD #:
Turn kera Roch	Signature of transporter
eiving lacility	Receiving lacility
ricinal Property	Dele received
e received (Time received
of shipment	Date of shipment
espinate of M	Time of shipment
billiación registration	Truck/Tractor registration
ther registration	Trailer registration
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Material Shipping Record & Log

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For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 40 0035 nor manifesting under 310 CMK 30.000

· · · · · ·	
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving lacility
Date inchined in my 7- fles 70	Date received
Time received	Time received
Date of stripment	Date of shipment
Time of shipment AR 36 50 N. H.	Time of shipment
Truck/Tractor registration 71837K N.H.	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/lons)	Load size (cubic yerds/tons)
LOAD #: Sennell A Brown	LOAD #:
Significate of transporter	Signature of transporter
Receipting tablity	Receiving facility
Date received	Date received
Time received 09-06-00	' Time received
Date of shipment	Date of shipment
Time of shipment AR3650 N.+]	Time of shipment
Truck/Tracking registration 7/83 TK N. H	Truct/Tractor registration
Trailer registration 3254	Trailer registration
	

K Log Sheet Volume Information

	32.54
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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials pot subject to management under section 310 CMR 40,0035 nor manifesting under 310 CMR 30,000

Load Information EAST Coast	# 35
LOAD#: 1	LOAD#:
Signanded transporter	Signature of transporter
Receiving facility 8650	Receiving facility
Date received J 25. 44	* Date received
Time received 9-6-00	Time received
Date of shipment	Date of shipment
Time of shipment NH 430c AF	Time of shipment
Truck/Tractor registration HH 456375	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/tons)	Load size (cubic yerds/tors)
LOAD #: 2	LOAD#:
Signature of paysponer	Signature of transporter
Receiving facility (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Receiving facility
Date received O	Date received
Time received 9-6-60 865858	Time received
Date of shipment 376 (Date of shipment
Time of shipment 416 t1600 AF	Time of shipment
THE 14 5000 LATE Truck/Tractor registration 144 4 0 8 3 1 5	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/tons)	Load size (cubic yards/tons)

K Log Sheet Volume Information

	33.61
Total volume this page (cubic yards/tons)	639.40
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Total carried forward and this page (cubic ya	rds/tons)

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Material Shipping Record & Log

Tracking Number

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	Load Information	
	LOAD#:	LOAD #:
	gle all	ing and the second of the seco
: e additional	Signatury Optransporter	Signature of transporter
es of this as neces-	Receiving facility	Receiving lacility
TWO	Date receiped	Date received
JW0 3935	Time received	Time received
	Date of Shipment	Date of shipment
	Time of shipment	Time of shipment
	Truck/Tractor registration	Truck/Tractor registration
	EZ7Z TI, NH	Trailer registration
	Load size (cubic yards/tons)	Load size (cubic yards/tons)
	LOAD#:	LOAD #:
	Signature of transporter	Signature of transporter
	Receiving facility 9	/ Receiving facility
	Date received	Date received
	Time received 32 pm 0 9 5 9	Time received
	Date of shipment	Date of shipment
	Time of shipment	Time of shipment
	Truck/Truckor registration	Truck/Tractor registration
	$EZZZTL$ $\mu \nu$	Trailer registration
	Load size (cubic yards/tons)	Load size (cubic yards/tons)
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	Total volume this page (cubic yards/tons) 6 73 0 1	Page of
	9/3.01	

Total carried forward and this page (cubic yards/tons)



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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials pot subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information PDM AT	# 2
LOAD #: 1	LOAD#:
12 ml Del	
Signature of transporter 865714	Signature of transporter
Receiving facility 9 6 00	Receiving lacility
Date received LyBur 1/4	Date received
Time received 6 00 34.67	Time received
Date of shipment	Date of shipment
Time of shipment \(\text{N} \text{R} \text{R}	Time of shipment
Truck/Tractor registration ← 0457743	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cultic yards/tons)	Load size (cubic yards/tons)
LOAD#: 2	LOAD#:
Bow Signature of transporter	Signature of transporter
TURNKLY Receiving facility	Receiving facility
16/00 Uh Bus 9/6	Date received
Time received 865880	Time received
Date of shipment 1250 Pm 38.6/	Date of shipment
Time of shipment \(\text{\text{\$\titt{\$\text{\$\tint{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tinx{\$\text{\$\}\$}}}\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex	Time of shipment
Truck/Tractor registration ME 0457743	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Lord size (cubic yards/lons)
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For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 40 0035 nor manifesting under 310 CMK 30.000

ection 310 CML 40 0035 nor manifesting under 310	1 CMR 30.000
Load Information	
LOAD #:	ŁOAD#:
Signature of transporter	Signature of transporter
Receiving facility Receiving facility	Receiving facility
Date received 9/6/00	Les Bate received
Time received / Christian	Time received
01/6/00 V 86575	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truct/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yerds/tons)
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility 9/10/25 Styriday	Receiving facility
Date received 3'SS 3714	Date received
Time received $a/a/a$	Time received
Date of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/tons)	Load size (cubic yards/tons)
Log Sheet Volume Information	•
3169	
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For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 40,0035 nor manifesting under 310 CMK 30,000

Load Information LOAD #: LOAD #: Signature of Iransporter Receiving lacility Time received Date of shipment. Time of shipment Truck/Tractor registration Trailer registration Load size (cubic yerds/tons) Load size (cubic yerds/tons) LOAD #: LOAD #: Signature of transporter Signature of transporter Receiving facility Receiving facility Date received Date received Time received Time received Date of shipmen Date of shipment Time of shipment Time of shipment Truck/Tractor registration Truck/Tractor registration Trailer registration Trailer registration Load size (cubic yents/tons) Load size (cubic yerds/tons)

K Log Sheet Volume Information

e e e e e e e e e e e e e e e e e e e	31.07
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Load Information	
DAD #:	LOAD #:
grature of transporter	, Signature of transporter
Turnbay Sochester NH	Receiving lacility
te received 37.09	Date received
ne received	Time received
9-7-00 e di stripmen	Date of shipment
ne of Singmen 45 1820	Time of shipment
MA 4356 connector registration	Truck/Tractor registration
MG 66878	Trailer registration
of sire (cubic yords/lons)	Load size (cubic yards/lons)
DAD #: 1 865992	LOAD #:
nonne a ransponer	A fignature of transporter
Minking Johnshul	Receiving facility
to account - Un Bul	2 Date received
ne received S	Time received
redistripation	Date of shipment
ne of shipmen	Time of shipment
MG 43 /36 iditractor registration	Truck/Tractor registration
me of shipment M. G. 43.756 uch trackor registration when registration 66.8.78	Trailer registration
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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 40 0035 nor manifesting under 310 CMR 30.000

Load Information \	
LOAD Tony alla	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility 9-7-00	Receiving facility
Done posited (D) 97/C	Date received
Tame received	Time received
Date of shipment	Date of shipment
Tame of shipmen 3327 M. N	Time of shipmen
Truck/Tractor registration 62274 MA	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yerds/tons)
LOAD #:	LOAD#:
Signature of transporter	Signature of transporter
Receiving tecition 7-7-00 Censul	Receiving facility
Date received \$\langle \langle	Dole received
Time receiped	Time received
Date of shipment	Dole of shipment
Time of shipment 33277 MA	Time of shipment
Truck/Tractor registration 67274 MA	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yards/lons)

Log Sheet Volume Information

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Total volume this page	(autic yents/tons) 35.23
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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMA 40,0035 nor manifesting under 310 CMR 30,000

•
LOAD #:
Signature of transporter
Receiving lacility
Date received
Time received
Date of shipment
Time of shipment
Truck/Tractor registration
Trailer registration
Load size (cubic yerds/tons)
LOAD #:
Signature of transporter
Receiving lacitity
Date received
Time received
Date of shipment
Time of Shipment
Truck/Tractor registration
Trailer registration
Lord size (cubic yerds/tons)

K Log Sheet Volume Information

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Total volume this page (a.	ibic yents/tons)
	13.03
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Material Shipping Record & Log

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For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 40 0035 nor manifesting under 310 CMK 30 000

	LOAD#: /	LOAD #:
ote: ake additional	signature of transporter own Doub	Signature of transporter
pies of this	Receiving facility CO	Receiving locility
035	Dute received — — — —	Date received
3	Time received	Time received
	Date of shipment 9-7-06 35-00	Date of shipment
	Time of shipment	Time of shipment
	Truck/Tractor registration	Truck/Tractor registration
	Trailer registration N. J. 400375	Trailer registration
	Lord size (cubic yerds/tons)	Load size (cubic yerts/tons)
	LOAD #: 2	LOAD #:
	Signature of transporter Gin Bouli	Signature of transporter
	Receiving facility States	Receiving facility
	Date received	Date received
	Time received $C = -cv$ $34.3c$	Time received
	Date of shipment 97 - 00 34.30	Dele of shipment
	Time of shipment	Time of shipment
	Truck/Tractor religistration	Truck/Tractor registration
	NH 400375	

K Log Sheet Volume Information

Trailer registration

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Total volume this page (cubic yards/tons)	rage	. •	
Total carried forward (cubic yards/tons) 137. 44		•	
Total carried inneed and this name (orbit: varietions)			

Trailer registration

Load size (cubic yards/tons)



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Material Shipping Record & Log

Tracking Number

For the shipmen 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

Load Information	
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
redening facility DV Mul 9/36	Receiving lacility
December 17/CC)	Date received
Tathe received	Time received
09-07-00 5 5 7-6 Date of shipment	Date of shipment
6 S 15 Ar M Tame of shipmen All 36 50	- Time of shipment
Truck/Tractor registration 7 1837/L N. 4.	Truct/Tractor registration
Trailer registration	Trailer registration
Lood size (cubic yerds/lons)	Load size (cubic yerds/tons)
LOAD #:	LOAD#:
LOAD #: A A A A Signature of wansporter	LOAD #: Signature of transporter
Sen AR	10 m
Signound of wansporter	Signature of transporter
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Senu # A P. Significate of transporter Receiving facility Date received 7 - 32.83 Time received 9-67-00	Signature of transporter Receiving facility Date received Time received
Senu # A P. Signature of transporter Receiving facility Date received 7 32.83 Time received 9-07.00 Date of shipmens N: 30	Signature of transporter Receiving facility Date received Time received Date of shipment
Signature of transporter Receiving facility Date received 9-07-00 Date of shipmen 10:30 Time of shipmen AC3650	Signature of transporter Receiving lacility Date received Time received Date of shipment

K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

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Material Shipping Record & Log

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Tracking Number

For the shipment of contaminated soil, urban fill, a section 310 CMK 40 9035 nor manifesting under	and dredge materials rot subject to management unde 310 CMK 30.000
Load Information	
LOAD #: Signature of transporter	LOAD #:
Signature of transporter	Signature of transponer

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Signature of transporter	LOAD #:
Signature of transporter TO FINKEY	Signature of transporter
Receiving facility 0/3/0	Receiving lacility
One optional Straw 9171.	Date received
Tame received	Tame received
Date of shipmen (2)	Date of shipment
Time of shipmen WISLAW W.K.	Time of shipment
Truck/Tractor registration 0500953	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/tons)	Load size (cubic yentshors)
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving facility
Date received	Date received
Time received	Time received
Dete of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truct/Tractor registration
Trailer registration	Trailer registration
Load size faulic yents/fores	Lord size (cubic yerds/fons)

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Total carried forward (cubic yards/tons)	213.07
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Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 370 CMK 40,0035 nor manifesting under 310 CMK 30,000

Load Information	
Lony alla	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving locitity
Date position (home 97)	Date received
Tame received	Time received
Date of shipment	Date of shipment
Time of shipmen 3327 Mn	Time of shipmen
Truck/Tractor registration 62274 MA	Truck/Tractor registration
Trailer registration	Trailer registration
Lord sire (cubic yerds/tons)	Load size (cubic yerdshons)
LOAD#:	LOAD #:
Signature of transporter	Signature of transporter
Receiving lacility	Receiving facility
Date received	Date received
Time received	Time received
Date of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yents/tons)	Load sire (cubic yerds/tons)

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Log Sheet Volume Information

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213,07

241,12

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Material Shipping Record & Log

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For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMF, 40,0035 nor manifesting under 310 CMF, 30,000

LOAD 9: Sopalure of specified: Sopalure of supporter Receiving lacility Received Due received Due received Due of shipmen True of shipmen Truel registration Truel registration Truel registration Truel registration Tota	be:	OWN GO.OUC	Load Information
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Log Sheet Volume Information	•	_	Log Sheet Volume Information
29.72 Page of 247.12		.	29.72



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Material Shipping Record & Log

Tracking Number

For the shipn and 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

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J	I nad	Inform	ation
049,000	LVUU	mount	UUVII

EAST COLAST # 35

LOAD #: /	LOAD #:
Signature of transporter Cum Eccle	Signature of transporter
Receiving facility (1)	Receiving lacitity
Date received — —	Date received
Time received	Time received
Date of shipmen 9-7-06 3500	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration # 400375	Trailer registration
l oed size (cubic yerds/tons)	Load size (cubic yents/tons)
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving tacility	Receiving facility
Date received	Date received
Time received	Time received
Dete of shipment	Dete of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/hons)	Load size (cubic yards/tons)

K Log Sheet Volume Information

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Total carried forward (cubic yents/tions)

311,84

Total carried lorward and this page (cubic yards/tons)

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Page



Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under

Load Information	
LOAD #:	LOAD#:
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Signature of transporter	Signature of transporter
Receiving facility	Receiving facility
Despring 10 1000	Date received
1170	
Tame received 09-07-00	Time received
Date of shipment	Dute of shipment
6 115 Ar M Tame of shipment	C Tane of shipmen
AN 3650 Truck/Indoor registration	Truck/Tractor registration
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Date received	Date received
Time received	Time received
Date of shipment	Dete of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailer registration
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Log Sheet Volume Information

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Total volume this page (cubic yerds/tons)	348.9	3
Total carried forward (cubic yards/tons)	3121	9
Total carried forward and this page forbic		

PRODUCT 5041

To Reorder: 1-800-225-6380 or www.nebs.com

STRAIGHT BILL OF LADING

SIMIUNID	OT NEGOTIABLE Shipper No. B 4145
ORIGINAL - N	OT NEGOTIABLE Shipper No. D 4143
	Carrier No
Roberts Corp	oration Date9/11/00
TO: Consignee N.E.E.D.	FROM: CHARTER ENVIRONMENTAL, INC.
Street 23 Green Hill Road	Street Corp of Engineers
Destination Johnstown, RI	Origin Devens, MA (Roud Hose)
Route	Emergency Response Vehicle Number 103
No. Shipping HM* Kind of Packaging, Description of A Special Marks and Exception	Articles. Weight -
1 Stumps	25 yards —
Vent because the Late of the parameter in the control of changes in the control of the control o	RESCRIPTION OF PROPERTY WHILE ALL PROPERTY UNIT OF NA PROPERTY AN INCIDENT LIST OUT Emergency Communication: Statistics (MM 1200)
Provide emergency response phone reinfilial in ease of incident or existent by box above. REMIT C.O.D. TO: VDDRESS;	COD Amt: \$ COLLECT \$
NOTE - Where the rate is dependent on value, shippers are required to state apecifically in writing the spread or the characteristic state apecifically in writing the spread or the characteristic state apecifically in writing the spread or the characteristic state applicable regulations of the properties applicable regulations of the Department of transportation according to the partment of the Department of transportation. Signaliar	did detivered to the consignee without recourse on the transagens, the con- sequent retail sign the following stationem: The certier shall not make detivery of the sequent without payment of freight and all other lawful diarges. Check position without payment of freight and all other lawful diarges.
RECEIVED, subject to the classifications and lawfully filed fariffs in effect on the date of the issue only Bill of Lading, the property described above in apparent good order, except as noted (content and condition of contents of packages unknown), marked, consigned and restricted as indicated above thick said carrier (the world carrier being understood throughout this contract as meaning any person of corporation in possession of the property under the contract sprease to carry to its susual place elevent as said destination if on its route, otherwise to deliver to another carrier on the route to eather the contract of the property over all or any mind of said property over all or any mind of said route to destination and as to each party at any time interested in all or any said property, that every septice to be performed horsunder 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 Lasking lernes 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.

PER DATE

MAZARCOUS MATERIALS MARK WITH X: TO DESIGNATE HAZARDIOUS MATERIALS AS DELITE NOCE, IN 490FR 9 172 200



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865659 TURNKEY LANDFILL DIVISION -90 ROCHESTER NECK ROAD, ROCHESTER. NH (603) 330-2134

DATE: 09/06/2000 TIME: 09:38-09:41

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: A

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE:

COVER SOIL

ORIGIN: WE MASSACRUSETTS

PROFILE: 583080 R R ROUNDHOUSE SOIL N // GEN: H229 USACOE DEVENS RSTA

GROSS: 94020 LES 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.

HWTM1	HAPPE	

PRINT COMPANY:

ORDER NUMBER:

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0108056

S1GN:

WEIGH



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. 4 865663 TURNKEY LANDFILL DIVISION

90 ROCHÉSTER'NECK ROAD, ROCHESTER, NH

(603)330-2134

DATE: 09/06/2000

TIME: 09:33-09:45

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 59

HAULER:

MASTER: KIM GROMYKO,

WASTE: COVER SOIL

ORIGIN: 02 MASSAZHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \ GEN: H229 USACOE DEVENS RSTA

GROSS: SAGEA LAS TARE: 37760 LBS

> NET: 61160 LBS = BØ. SA 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



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PROFILE: 523060

CUSTOMER: 217

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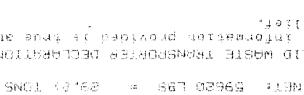
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PRINT NAME; 1N9 (5 ONDER NUMBER: 99080T0 PRINT COMPANY:



PROFILE: 523040



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WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION -90 ROCHESTER NECK ROAD, ROCHESTER, NH (603) 330-2134

SESERI

DATE: 09/06/2000 TIME: 10:00-10:8

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: GREV

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

DRIGIN: WE MASSACHUSETTS

PROFILE: 523080

NET: 65220 LBS = 32.61 TONS

R R ROUNDHOUSE SOIL \ GEN: H229 USACDE DEVENS RSTA

The state of the s

GROSS: 103240 LBS

TARE: 38020 LBS

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;
DRDER	NUMBER

0108056

PRINT NAME:

SIGN:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

8 865680

DATE: 09/06/2000 TIME: 09:59-10:20

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

TO THE BEST OF MY

GROSS: 95420 LBS TARE: 38280 LBS

KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 57140 LBS = 28.57 TONS OR UNACCEPTABLE WASTE

PRINT COMPANY: ORDER NUMBER:		/	7 a	Ø1Ø8Ø56
PRINT NAME:	purposes selfor response to the response of th	sign: \underline{L}	Code	



90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

DATE: 09/06/2006

TIME: 10:27-10:46

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

PRINT COMPANY:

PRINT NAME:

ORIGIN: Ø2 MASSACHUSETTS

PROFILE: 523000 F R ROUNDHOUSE SOIL ' GEN: HE29 USACOE DEVENS RSTA

Market State Committee Com

ORDER NUMBER:

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

GUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: 1 certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

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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

WEIGH

SIGN:

MASTER: KIM BROMYKO

HAULEE:

WASTE: COVER SOIL

ORIGIN: Ø2 MASSACHUSETTS

PPOFILE: 533080 R R ROUNDHOUSE SOIL \ GEN: H229 USACCE 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 OF UNACCEPTABLE WASTE

PRINT COMPANY: OPDER NUMBER:		0108056
PRINT NAME:	SIGH:	Land Land



90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

DATE: 09/06/2000 TIME: 10:29-10:50

865701

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE:

COVER SOIL

ORIGIN: W2 MASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \ GEN: H229 USACOE DEVENS RSTA

GROSS: 93100 LBS

TARE: 35220 LBS gran gran sans gage gage agger agger game gast green mans pan't gung nous their bear mans ager

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET:

 $56880 \mid RS = 28.44 \mid TONS$

OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: 1 certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY:	MET VANIGO THE SERVICE OF THE SERVIC			0108056
ORDER NUMBER:			\bigcirc	
PRINT NAME:		SIGNE		ry'r arlu-mae'r dyngae agair y 18 a 18 a 18 a 18 a 18 a 18 a 18 a 18



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

865700

S& ROCHESTER NECK ROAD, ROCHESTER, NH

DATE: 09/06/2000 TIME: 10:29-10:57

(603)330-2134

TRUCK: EAST

CUSTOMER: 217 CHARTER ENVIRONMENTAL

WF I GH

MASTER: KIM GROMYKO

HAULER:

WASTE: COVER SOIL

ORIGIN: WE MASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \ GEN: H229 USACOE DEVENS RSTA

GROSS: 89020 LES

TO THE BEST OF MY

TARE: 36960 LBS rent color parar made come many, a van made Miller borer only Miller order color story some many allers.

KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

NET: 52060 LBS = 28.03 TONS

PRINT COMPANY:	Should distribute the state that was expected from the should reduce the state of t			0108056
ORDER NUMBER:			1	/
PRINT NAME:		SIGN:		



90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000 (603)330-2134

865715

TIME: 10:44-11:04

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 46

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: Ø2 MASSACHUSETTS

PRINT COMPANY:

ORDER NUMBER:

PROFILE: 523080 R R ROUNDHOUSE SOIL \ GEN: H229 USACOS/DEVENS RSTA

GROSS: 105600 LBS TARE: 36600 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK

CONTAINS NO HAZARDOUS

NETE 69000 LBS = 34.50 10NS OR UNACCEPTABLE WASTE

DUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I centify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief,

CONTROL NO. A NO.	h I r. L dre	
P-H-T-M-I	NAME:	Service description of the service o

010805E

SIGN:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD. . ROCHESTER. NH DATE: 09/06/2000

(603)330-8134

865714

TIME: 10:44-11:02

TRUCK: ADAM

CUSTOMER: 217 CHARTER ENVIRONMENTAL

WEIGH

MASTER: KIM GROMYKO

HAULER:

WASTE: COVER SOIL

ORIGIN: WE MASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 105100 LB5

TARE: 35760 LBS

NET: 69340 LBS = 34.67 TONS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OF UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of penjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY: ORDER NUMBER:	to reference the Market and Market of September and Applications and Applications of Company of Com

0108056

FRINT NAME:



90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

DATE: 09/06/2000 TIME: 13:45-14:0

865802

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 USACCE DEVENS RSTA

GROSS: 115300 LBS TARE: 38100 LBS

NET: 77200 LBS

38.68 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:	M-	
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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: 817 CHARTER ENVIRONMENTAL

TRUCK: ADMA

HETCH

MASTER: KIM GROMYKO

HAULER:

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080. P R ROUNDHOUSE SOIL \ GEN: H229 USACOF DEVENS RSTA

GROSS: 109600 LBS 廖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:	
PRINT NAME:	STONE

0108056

- TIME: 14:29-14:29

CUSTOMER: 217 CHARTER ENVIRONMENTAL

MANAGEMENT683) 338-2134

TRUCK: 2

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: OF MASSACHUSETTS

FIJEILE: 523080 R R ROUNDHOUSE SOIL 1 GEN: HEES USACOE DEVENE RSTA

GROSS: 112000 LBS

TARE: #57500 LB5

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 74500 LBS = 37.25 TONS

OR UNACCEPTABLE WASTE

Out-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of parjury that the information provided is true and correct to the best of my) bwledge and belief.

PRINT COMPANY: RDER NUMBER:			019895
PRINT NAME;	 SIGN:	1	
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WASTE MANAGEMENT OF NEW MAMPSHIRE, INC # 805822 TURNKEY LANDFILL DIVISION

(603)330-2134

90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000 TIME: 14:18-14:18

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 59

HAULER:

MASTER: KIM GPOMYKO

WE THE

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

POFILE: 523080 PR ROUNDHOUSE SOIL Y GEN: H229 USACOE DEVENS ASTA

GROSS: 108740 LBS

TARE: 37500 LBS

PRINT NAME:

TO THE BEST/OF MY KHOWLEDGE / HIS TRUCK

THE Approximate when twenty to be some of a larger, whose paper the paper as you are a larger to the

NET: 71240 LES = 35.62 TOMS

CONTAINS /NO HAZARDOUS OF UNACCEPTABLE WASTE

nowledge and belief.		
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PINT COMPANY:		0109056
DRDER NUMBER:	A_{-}	

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DATE: 09/06/2000 TIME: 14:30-14:31

MANAGEMENT603) 330-2134

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE:

COVER SOIL

DRISIN: 02 MASSACHUSETTS

'ROFILE: 523080

R R ROUNDHOUSE SOIL \ GEN: H229 USACOE DEVENS RSTA

GROSS: 102300 LBS

TARE: - 36900 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK

TRUCK: 1

CONTAINS NO HAZARDOUS

NET: 65400 LBS = 32.70 TONS

OR UNACCEPTABLE WASTE

BUT-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 nowledge and belief.

RINT COMPANY:		0108058	
ORDER NUMBER:			arman dan dan dan dan dan dan dan dan dan d
PRINT NAME:	SIGN:	حالا	

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

865841

90 ROCHESTER NECK ROAL, ROCHESTER, NH

DATE: 09/05/2000 TIME: 14:43-14:44

TE MANAGEMENTERS) 330-2134

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: GREY

WEIGH

MASTER: KIM GROMYKO

WASTE:

HAULER:

COVER SOIL

DRIGIN: 02 HASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL \ SEN: H329 USACOL DEVENS RSTA

GROSS: 107660 LBS

TARE: 37800 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK

CONTAINS NO HAZARDOUS

NET: 69860 LBS = 34.93 TONS

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:	SIGH:	

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A65847

90 ROCHESTER NECK ROAD, ROCHESTER, NH (EØ3) 330-2134

DATE: 09/06/2006

TIME: 14:57-14:57

CHETOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: OF MASSACHUSETTS

PROFILE: 523000 R R ROUNDHOUSE SOIL - GEN: HESS USACOE DEVENS RSTA

GROSS: 101680 1.88 TARE: 35500 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 66180 (AS ≈ 33.09 TONS

OR UNACCEPTABLE WASTE

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of erjury that the information provided is true and correct to the best of my howledge and belief.

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PRINT NAME: SIGN:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865856 TURNKEY LANDFILL BIVISION

96 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

DATE: 09/06/2000 TIME: (5:11-15:11

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRHUK: ERSY

DE 1 (514

HAULER:

MASTER: KIM GROMYKA

WASTE: COVER SOLL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 583080 F R ROUMDHOUSE SOIL '

SEN: HOSS USACOE DEVENS RSTA

88055: 101980 LRS TARE: 36900 LBS and the second of the second o

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 65080 LES + Ba.54 LOM5

OR UNACCEPTABLE WASTE

PRINT COMPANY: JRDER NUMBER:			\/		Ø108Ø56
PRINT NAME:	Continue of which produces again to the continue with a second rate of the continue of the con	STEME		Season & Company of the Company of the Company	



90 RUCHESTER NECK ROAD. ROCHESTER, NH DATE: 09/06/2000 (603)330-2134

TIME: 15:13-15:13

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

DRIGIN: 02 MASSACHUSETTS

PROFILE: 523060 R R ROUNDHOUSE SOIL Y

GEN: H229 USACCE DEVENS RSTA

6ROSS: 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.

ORDER NUMBER:		\wedge
PRINT NAME:	SIGN:	/\/m



PRINT COMPANY:

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 665868 TURNKEY LANDFILL DIVISION

0108056

90 ROCHESTER NECK ROAD, ROCHESTER. NH (603)330-2134

DATE: 09/06/2000 TIME: 15:33-15:33

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

WEIGH

MASTER: KIM GROMYKO

HAULEF:

WASTE: COVER SOIL

ORIGIN: 08 MASSACHUSETTS

PROFILE: 523080 P. R. ROUNDHOUSE SOIL N. SEN: H229 USACOE DEVENS RSTA

GPOSS: 94580 LBS "TARE: 38200 LBS

'MET: 56380 LBS = 28.19 TONS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

RINT COMPANY:	Marketina and the second of a control of a control of the second of the			0108056
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90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-8134

865880

DATE: 09/06/2000 TIME: 15:52-15:53

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: ADAM

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

URIGIN: 02 MASSACHUSETTS

ROFILE: 523000 P R ROUNDHOUSE SOIL \ GEN: HE29 USACOE DEVENS RSTA

GROSS: Lieges LBS ATARE: 35700 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

THE MAN LOSS WAS THE BOY WITH MAN LOSS WAS TO BE MADE TO BE MADE AND ASSESSMENT AND ASSESSMENT AND

NET: 77220 LBS = 38.61 TONS

OR UNACCEPTABLE WASTE

UT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under pensity of penjury that the information provided is true and correct to the best of my knowledge and belief.

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WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION

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DIMADES.

90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

DATE: 09/06/2000 TIME: 15:54 /5:55

DUSTOMER: 217 CHARTER ENVIRONMENTAL.

TRUCK: WIS

HAULER:

MASTER: KIM GROWYIC

WASTE: COVER SOIL

OPIGIN: DE MASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \ SEN: H225 USACOE DEVENS RSTA

GROSS: 110920 LBS TARE: 35540 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

WET: 75380 L89 - 37.69 TUNS

ME TELL

OF UNACCEPTABLE WASTE

RINT COMPANY:				0108056
JADER NUMBER:				
Fig. 25. St. A. Lewis Co. A. Lewis Co.		w. v. **. :	V 1/2	
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90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

866169

DATE: 09/07/2000 TIME: 13:13-13:13

CUSTOMER: 217 CHARTER ENVIRONMENTAL C

TRUCK: 12

HAULER:

WEIGH

MASTER: KIM BROMYKO

WASTE:

COVER SOTE

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523000 R R ROUNDHOUGE SOIL \ GEN; H229 USACOE DEVENS RSTA

GROSS: 107360 LBS TARE: 35500 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

NET: 71860 LBS = 35.93 TONS

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	THE PERSON OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COL
PRINT NAME	*

0108056

SIGN:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

866147

90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

DATE: 09/07/2000 TIME: 12:50-12:51

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 14

HAULER:

WEIGH MASTER: KIM GROMYKO

WASTE: COVER SOIL

DRIGIN: 02 MASSACHUSEJ75

PROFILE: 523080

R R ROUNDHOUSE SOIL \ GEN: H229 USACOE DEVENS RSTA

GROSS: 109700 LBS TARE: 35500 LBS TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 74200 LBS = 37.10 TONS

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.

 COMPANY: NUMBER:	

Ø1080°

PRINT NAME:



90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

866148

DATE: 09/07/2000 TIME: 12:52-12:52

CHSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

MASTER: HIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

ROFILE: 523080

NET: 60220 LBS = 30.11 TONS

Control of the Contro

R R ROUNDHOUSE SOIL \ SEN: H225 USACDE DEVENS RS1A

GROSS: 97940 LBS

TARE: 37780 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK

CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

UT-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 unowledge and belief.

-RINT COMPANY: ORDER NUMBER:			0108056
PRINT NAME:	SIGN:	Was	
			4) Sharpest Late of Section Sharps 1-14 regions on the property in the



WASTE MANAGEMENT OF NEW MAMPSHIRE, INC. TURNKEY LANDFILL DIVISION

姓 866125

90 ROCHESTER MECK ROAD, ROCHESTER, NH (603) 330-2134

DATE: 09/07/2000 TIME: 12:12-12:36

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULERS

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOI:

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \ GEN: H229 USACOE DEVENS RSTA

GROSS: 104580 LBS

TO THE BEST OF MY

TARE: 35980 LBS

KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

NET: 68600 LBS = 34.30 70MS

PRINT COMPANY: ORDER NUMBER:	4-100-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		0108056
PRINT NAME:		SIGNE	



90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

866124

DATE: 09/07/2000 TIME: 12:11-12:35

CUSTOMER: 817 CHARTER ENVIRONMENTAL

TRICK: EAST

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTER

COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080

- R R ROUNDHOUSE SOIL > - GEM: M229 USACOE **PÉVENS** RSTA

GROSS: 102480 LBS

TARE: 36780 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

MET:

32.85 TORS 65700 LBS -

OR UMACCEPTABLE 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 impowledge and belief.

PRINT COMPANY:	A		1	01.08656
ORDER NUMBER:			$I_{\mathcal{S}}$	
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WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

866096

DATE: 09/07/2000 TIME: 11:33-11:54

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 46

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

NET:

ORIGIN: WE MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOLL X GEN: M229 USACOE DEVENS RSTA

- GROSS: 121520 LBS

TARE: 35960 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK

CONTAINS NO HAZARDOUS 42.78 TONS OR LINAUCEPTABLE WASTE 85560 LBS =

PRINT COMPANY:	Ø108056
ORDER NUMBER:	MA
PRINT NAME:	SIGN: (1)



90 ROCHESTEP NECK ROAD, ROCHESTER, NH (603) 330-2134

865979

1001E: 09/07/2000

TIME: 08:21-08:51

CHSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SUIL

ORIBIN: 02 MASSACHUSETTS

PRINT COMPANY:

PROFILE: 5/2000 R R ROUNDHOUSE SOIL \ GEN: H225 USACOF DEVENS RSTA

GROSS: 103800 LBS TARE: 35700 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZAPDOUS

NET: RAIDO IRS = 34.05 TONS

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.

ORDER NUMBER:	
PRINT NAME:	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, ROCHESTER, NH

865980

(603)330-2134 €

DATE: 09/07/2000 TIME: 08:22-08:59

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

HIAN:

MASTER: KIM GROMYKO

WASTE: COVER SOIL

DRIGIN: Ø2 MASSACHUSETTS

PROFILE: 528080

P R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GRUSS: 97160 LBS TARE: 37720 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

NET: 59440 LBS = 29.72 TONS

PRINT COMPANY: ORDER NUMBER:			 01 080 56
PRINT NAME:	STGN:	Na	



90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134

865992

DATE: 09/07/2000 TIME: 08:30-09:1/

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 12

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: DE MASSACHUSETIS

PROFILE: 528080

R R ROHNDHOUSE SOTE '

GEN: H229 USACOE DEVENS RSTA

TO THE BEST OF MY

9 GROSS: 109760 LBS

TARE: 35580 LBS

KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 74180 LBS = 37.09 TONS 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
GROWN NUMBER:			5 &	
PRINT NAME:	ta haya nag hidrantum ngaya hayani gayadilik i dan man (1800) ya hiddinin ira saka dilik in Mandali in Mandali in hayan da hayan aya ka na	SIGN:		



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. WILLIAMKEN LANDFILL DIVISION

865966

90 ROCHESTER WECK ROAD, ROCHESTER, NH (603)330-2134

DATE: 09/07/2000 TIME: 07:55-08:19

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: Ø2 MASSACHUSETTS

PROFILE: 525080

F R ROUNDHOUSE SOIL \ GEN: H229 USACGE DEVENS RSTA

A GROSS: 106240 LBS

TARE: 36240 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

RELIGIO TANS NET: 70000 LBS =

OR UNACCEPTABLE WASTE

PRINT COMPANY:				Ø1Ø8Ø56
ORDER NUMBER:			1	
encent of a finn of a final dent		SIGN	1/00	
PRINT NAME:	THE COURSE OF THE PROPERTY OF	D 1 (2) 4		



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.

SO ROCHESTER NECK ROAD. ROCHESTER, NH

(603) 330-2134

865965

DATE: 09/07/2000

TIME: 07:54-08:15

CHARTER ENVIRONMENTAL CUSTOMER: 217

TRUCK: EAST

HAULER:

WEIGH

MASTER: KIM GROMÝKO

WASTE:

COVER SOIL

DRIGIN: 02 MASSACHUSETTS

PROFILE: SEG080

R R ROUNDHOUSE SOIL \ GEN: H229 USACOF DEVENS RSTA

GROSS: 0103560 LBS

TARE: 37040 LBS

TO THE WEST OF MY KNOWLEDGE THIS TRUCK

68520 LBS = NET:

33.26 TONS

CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

PRINT COMPANY: ORDER NUMBER:		1.2	Ø1Ø9Ø56
PRINT NAME:	SIGN:	K	

APPENDIX E MADEP AND USEPA RESPONSE TO COMMENTS

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.

COPCs	USEPA RBCs – Region III	USEPA OSWER #9355.402	MCP S-2	Background
Antimony	820 ppm		40 ppm	2.7 ppm
Arsenic	3.8 ppm		30 ppm	28.5 ppm
Lead		500-1000 ррт	600 ррт	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. 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, Page3-10, 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. Salvadore - 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.

COPCs	USEPA RBCs - Region III	USEPA OSWER #9355.402	MCP S-2 Standard	Background
Antimony	820 ppm		40 ppm	2.7 ppm
Arsenic	3.8 ppm		30 ppm	28.5 ppm
Lead	400 ppm	500-1000 ррт	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.