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U.S. Army Corps of Engineers

New England District Concord, Massachusetts

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

Contract No. DACW33-95-D-0004

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

16 January 2001

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

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

Prepared for:

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16 January 2001

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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.

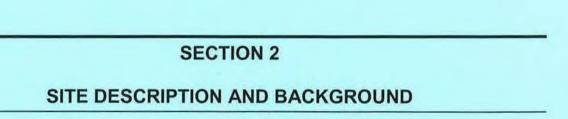
Approximately 494 tons of hazardous waste material containing concentrations of lead that exceeded TCLP criterion was shipped to CWM Chemical Services, LLC, Model City, New York. Approximately 1,160 tons of excavated material was classified as non-hazardous material and shipped to the Turnkey Landfill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



2. SITE DESCRIPTION AND BACKGROUND

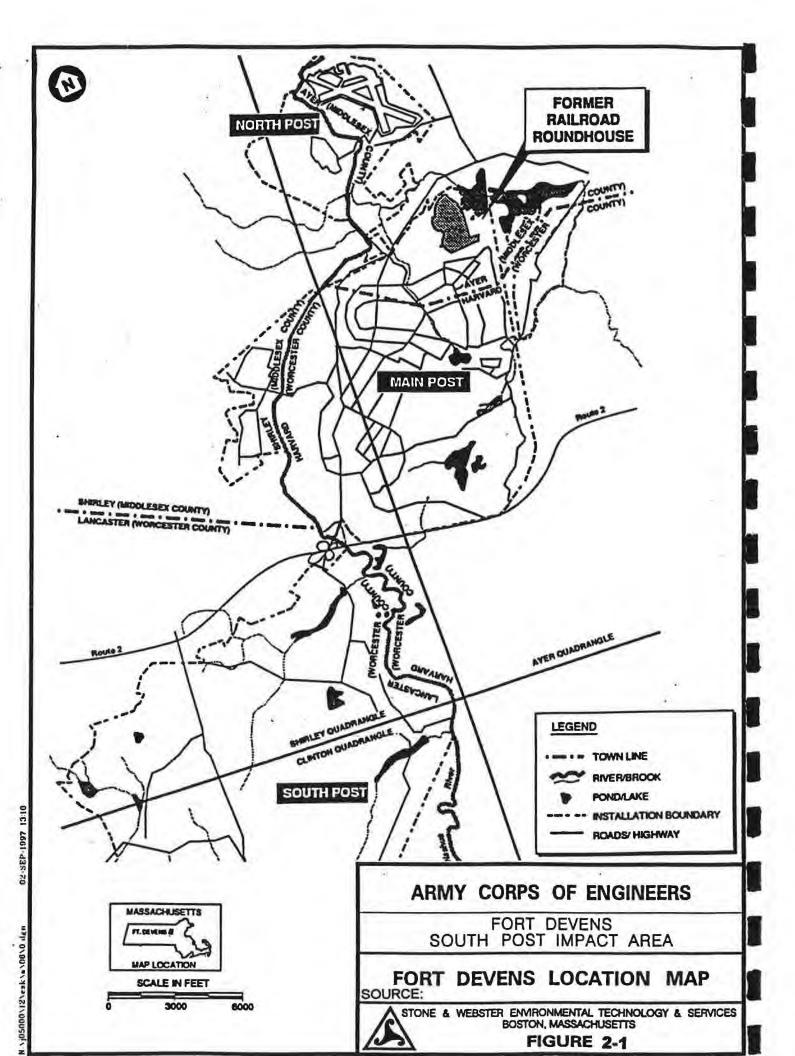
2.1 SITE DESCRIPTION

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.



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

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	4	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
Sidewalls of Round	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 Sai	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	1	
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
xcavation Floor Sa	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

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.

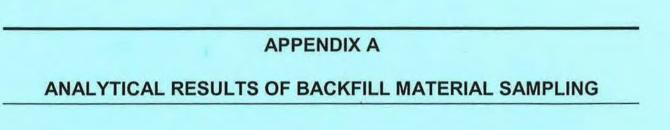
SECTION 5 REFERENCES

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.





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
ead (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 #)	(mg/kg)	CONCENTRATION (mg/kg)	% REC.	RPD	RPD	REC.
Arsenic (6010)	517	534	103	1.7	20	75-125
3arium (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
_ead (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

3pike Recovery: 0 out of 16 outside limits

lote:



Laboratory Report Volatile Petroleum Hydrocarbons (VPH)

Method for Ranges: MADEP VPH 98-1	Client ID	Backfill Soil					
Method for Target Analytes: EPA 8260	AMRO Lab ID	24881-01		P.Blank-11/22/99			
VPH Surrogate Standards	Date Collected 11/23/99 Date Received 11/23/99		N/A N/A				
1,2-Dichloroethane-d4							
Toluene-d8	Date Analyzed	12/03/99		12/02/99			
Bromofluorobenzene 2,5-Dibromotoluene	mL Methanol/g soil 1:1 +/- 25%	SATUR STORM	Larre Avec				
20.34.2004.34.3	Dilution Factor	1		1			
A CANADA CONTRACTOR OF THE PARTY OF THE PART	% Solids	96.0		NA			
Range/Target Analyte	UNITS	RESULTS	RL	RESULTS	RL	RESULTS	RL
C ₅ -C ₈ Aliphatic Hydrocarbons 1,2	mg/Kg	ND	2.7	ND	2.5		
C ₉ -C ₁₂ Aliphatic Hydrocarbons ^{1,3}	mg/Kg	ND	0.68	ND	0.62		
C ₉ -C ₁₀ Aromatic Hydrocarbons ¹	mg/Kg	ND	0.68	ND	0.62		
Methyl-tert-butylether	mg/Kg	ND	0.055	ND	0.050		
Benzene	mg/Kg	ND	0.055	ND	0.050		
Toluene	mg/Kg	ND	0.055	ND	0.050		
Ethylbenzene	mg/Kg	ND	0.055	ND	0.050		
m- & p-Xylenes	mg/Kg	ND	0.055	ND	0.050		
o-Xylene	mg/Kg	ND	0.055	ND	0.050		
Naphthalene	mg/Kg	ND	0.055	ND	0.050		
Dibromofluoromethane Limits (70-130%)		101	N/A	98.9	N/A		
1,2-Dichloroethane-d4 Limits (70-130%)	%	99.6	N/A	96.1	N/A	4	
Toluene-d8 Limits (70-130%)	%	99.5	N/A	96.5	N/A		
Bromofluorobenzene Limits (70-130%)	%	90.4	N/A	92.6	N/A		
2,5-Dibromotoluene Limits (70-130%)	%	79.1	N/A	89.0	N/A		

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

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

COMMENTS: See Non-Conformance Summary.

CE	ОΤ	15	$\sim ^{\vee}$	т	\sim	Л
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Were all QA/QC procedures REQUIRED by the VPH Metho	od followed?	[X] Yes	[] No - See Comments
Were all performance/acceptance standards for required Q	ed? [] Yes	[X] No - See Comments	
Were any significant modifications made to the VPH metho	1.3? [] No	[X] Yes - Details attached	
I attest under the pains and penalties of perjury that, based obtaining the information, the material contained in this rep complete.	ort is, to the best of my k	nowledge and belief, accura	ite and
SIGNATURE: Vage	POSITION:	Organic Division M	anager
PRINTED NAME: Richard Ravenelle	DATE:	1-10-00	

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

SOIL VPH MATRIX SPIKE / SPIKE DUPLICATE

AMRO ID#: 9911018-13a

Instrument#: VOA 2

Analysis Date: 12/03/99

Analyst: SK

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION (mg/Kg)	MS	MS		QC LIMITS
	(mg/Kg)		CONCENTRATION (mg/Kg)	% REC.	RECOVERY	
Methyl-tert-butyl-ether	0.38	0.00	0.33	86.8		70 - 130
Benzene	0.38	0.00	0.38	99.3		70 - 130
Toluene	0.38	0.00	0.37	96.7		70 - 130
Ethyl Benzene	0.38	0.00	0.41	108		70 - 130
Xylene (m&p)	0.76	0.00	0.81	106		70 - 130
o-Xylene 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 LIMITS	
	(mg/Kg)	CONCENTRATION (mg/Kg)	% REC.	RPD	RPD	REC.
Methyl-tert-butyl-ether	0.38	0.35	92.6	4.14	25	70 - 130
Benzene	0.38	0.39	104	3.28	25	70 - 130
Toluene	0.38	0.38	100	1.78	25	70 - 130
Ethyl Benzene	0.38	0.39	104	5.27	25	70 - 130
Xylene (m&p)	0.75	0.77	103	4.64	25	70 - 130
o-Xylene	0.38	0.39	103	3.39	25	70 - 130
Naphthalene	0.38	0.36	95.4	38.4	* 25	70 -130

RPD: 1 of 7 outside limits

Spike Recovery: 1 of 14 outside limits

* Values outside of QC limits

Matrix Spike (MS) Data File: D7251.D

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

VPH SOIL SAMPLE / SAMPLE DUPLICATE AND RPD

AMRO Project ID: 9911018 AMRO Duplicate ID: 9911018-11a

Analysis Date: 3-Dec-99

Instrument #:

Voa 2

Analyst:

sk

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

RPD: 0 of 10 outside limits
* Values outside QC limits
Sample File: D7247.D
Duplicate File: D7248.D

AMRO Environmental Laboratories Corp.

SOIL VPH LABORATORY CONTROL SAMPLE RECOVERY

AMRO Sample ID:

[lcs 11/22/99] df=1MF=500 UG{8260_MS}

Instrument#

Voa 2

Run Date:

2 Dec 99 8:22 pm

Analyst sk

COMPOUND	SPIKE ADDED	BLANK CONCENTRATION	LCS CONCENTRATION	LCS %	QC LIMITS RECOVERY	
	(mg/Kg)	(mg/Kg)	(mg/Kg)	REC.		
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	Results	Reporting
<u>Parameter</u>	(ug/Kg)	Limit(ug/Kg)
PCB-1221	ND	26
PCB-1232	ND	26
PCB-1242 (1016)	ND	26
PCB-1248	ND	26
PCB-1254	ND	26
PCB-1260	ND	26

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

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

Analyzed By: RAP



LABORATORY REPORT PCBs - EPA METHOD 8082

Client: Roy F. Weston, Inc.

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

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

Date prepared: 11/26/99

Date Analyzed: 11/29/99

Sample Qty/Type: 1/Solid

Test	Results	Reporting
<u>Parameter</u>	(ug/Kg)	Limit(ug/Kg)
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
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		
OC limits from in house	ototiotical data				
QC limits from in house = Value outside QC limi					
= value outside QC ilmi = Diluted out	us			-	-

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

Analysis Date: 11/29/1999

Instrument#: ELVIS Analyst: RAP

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

ike Recovery 0 of 4 outside limits. alues outside of QC limits

S Data File: E29NOV17.D

IRO Environmental Laboratories Corp.

PCB SOIL MATRIX SPIKE & MATRIX SPIKE DUPLICATE RECOVERY

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

521

521

521

Instrument#: ELVIS

105

90.4

105

55

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55 - 12

Allalysis Date . 11/25/1955			Analyst. Ival		
COMPOUND	SPIKE ADDED	SAMPLE	MS	MS	QC LIMITS
1		CONCENTRATION	CONCENTRATION	%	RECOVERY
	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC.	
PCB 1016 #1	521	0	499	95.8	67 -

546

471

546

0

0

0

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

PCB 1260 #1

PCB 1016 #2

PCB 1260 #2

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 Date received: 11/23/99 Date analyzed: 11/30/99

Sample Qty/Type: 1/Solid

Test	Results	Reporting
<u>Parameter</u>	(ug/kg)	Limit (ug/kg)
alpha-BHC	ND	0.82
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.

Analyzed By: KEM

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



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
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_
11.000000000000000000000000000000000000			rentare recase in		
		e limited			
2C limits from in house st	atistical data.				
ΩC limits from in house st = Value outside QC limit	1	- 1-1-1			

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

PESTICIDE SOIL LABORATORY CONTROL SAMPLE SPIKE RECOVERY

AMRO Project #: SP112699BK1 DF=1 Analysis Date: 11/30/99 Instrument#: TRENT Analyst: KEM

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

Spike Recovery 0 of 12 outside limits. *Values outside of QC limits LCS Data File: 30NOV14T.D

AMRO Environmental Laboratories Corp.

SOIL PEST MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

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

Instrument#: TRENT Analyst: KEM

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

Spike Recovery: 0 of 24 outside limits.

"Values outside of QC limits

Matrix Spike Data File: 30NOV16T.D

Matrix Spike Duplicate Data File: 30NOV17T.D

RPD: 0 of 12 outside limits.

AMRO Environmental Laboratories Corp.



Laboratory Report Extractable Petroleum Hydrocarbons (EPH)

EPH ANALYTICAL RESULTS

Extraction Method: EPA 3541	Client ID	Backfill Soil					
Method for Ranges: MADEP EPH 98-1		1000					
Method for Target Analytes: MADEP EPH 98-1	AMRO Lab ID	24881-01	=	P.Blank-11/2	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	7	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

Richard Ravenelle

N/A = Not Applicable

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

COMMENTS: See Non-Conformance Summary.

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	RI	11-1	LA		w

PRINTED NAME:

OLIVIII IOMINON					
Were all QA/QC procedures REQUIRED by the	EPH Method followed?	[X] Yes	[]	No - See Comments
Were all performance/acceptance standards fo	r required QA/QC procedures achieved?	I] Yes	[X]	No - See Comments
Were any significant modifications made to the	EPH method, as specified in Sect 11.3?	t] No	[X]	Yes - Details attache
I attest under the pains and penalties of perjury obtaining the information, the material containe complete.				F. A. C. T. L. C.	
SIGNATURE: WayShu	POSITION:	Organic D	ivision	Manag	ger

DATE: 1-10-00

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

EPH SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

SV1 RKK

AMRO Project # :		instrument#:	٠
Analysis Date:	11/30/99	Analyst: F	ŕ

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

Recovery 0 of 10 outside limits. ies outside of QC limits

x Spike (MS) Data File: C8102.D

O Environmental Laboratories Corp.

EPH SOIL SAMPLE / SAMPLE DUPLICATE AND RPD

Amro Project ID: 24888-06 Amro Duplicate ID: 24888-06DP Instrument #: SV1 Analyst: RKK

Analysis Date: 30-Nov-99

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

^{*} Values outside QC limits RPD: 3 of 20 outside limits. Sample File: C8108.D Duplicate File: C8109.D

Amro Environmental Laboratories Corp.

EPH SOIL LABORATORY CONTROL SAMPLE SPIKE RECOVERY

AMRO Project #: BLK112699 Analysis Date: 11/30/99 Instrument#: SV1 Analyst: RKK

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

Recovery 0 of 10 outside limits.

es outside of QC limits

Data File: C8100.D

J Environmental Laboratories Corp.



AMRO Environmental Laboratory Report Revised Report

Client:

Roy F. Weston, Inc.

P.O. Box 425

Ayer, MA 01433

Attn: Mr. Sam Naik

Samples Qty/Type: 1/Solid AMRO Designation: 24881

Client Designation:

Railroad Rd. House SA71 Devens, MA

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

COC #: 30240

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

Results are in dry weight.

All analyses performed in accordance with:

USEPA Methods of Chemical Analysis for Water & Waste.

Standard Methods for the Examination of Water and Wastewater, 18th

Edition, 1992. and USEPA SW846 Manual, 3rd. ed.

The following standard abbreviations and conventions apply throughout all sections:

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

> = 'Greater than'



SOIL METALS METHOD BLANK

AMRO Project #: 24881

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

Note:

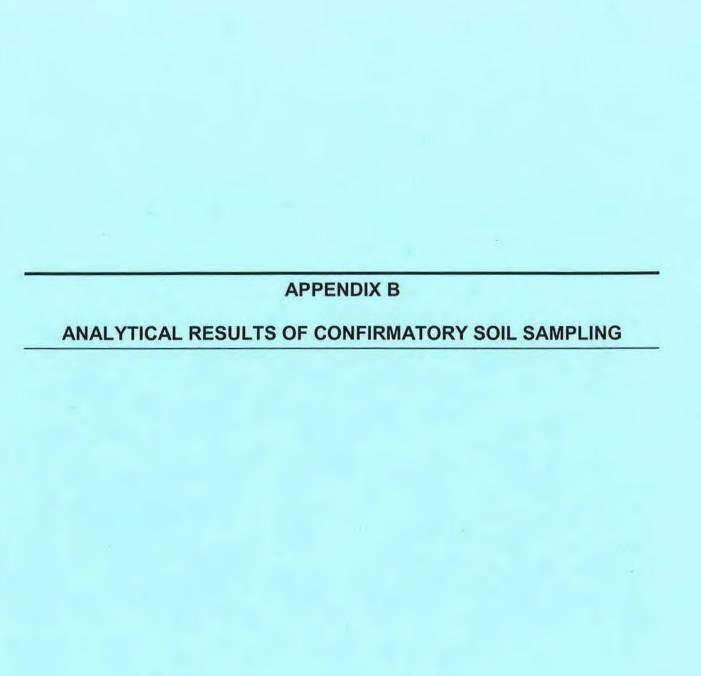
SOIL METALS LABORATORY CONTROL SAMPLE

AMRO Project #: 24881

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%

Note:





AMRO Environmental Laboratory Report

Page 1 of 2

ient: Roy F. Weston, Inc. Client Designation: SA71 Railroad RD House Devens, MA

P.O. Box 425

Ayer, MA 01433

tn: Mr. Sam Naik

mples Qty/Type: 6/Solid AMRO Designation: 24930

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

mple entity	AMRO Identity	Test Parameter	Results	Units	Date of Analysis	Run by	EPA Method
71-S1	24930-01	Digestion			12/01/99	RK	3051
,	24330 01	Total Solids	75.3	8	12/03/99	SEL	2540G
		Antimony, Total	43.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	12.	mg/Kg	12/03/99	APL	7060
		Lead, Total	3,000.	mg/Kg	12/02/99	REB	6010
71-S2	24930-02	Digestion			12/01/99	RK	3051
		Total Solids	72.1	*	12/03/99	SEL	2540G
		Antimony, Total	S 38.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	38.	mg/Kg	12/03/99	APL	7060
		Lead, Total	570.	mg/Kg	12/06/99	REB	6010
71-S3	24930-03	Digestion			12/01/99	RK	3051
		Total Solids	76.9	8	12/03/99	SEL	2540G
		Antimony, Total	S 6.7	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	32.	mg/Kg	12/02/99	APL	7060
		Lead, Total	100.	mg/Kg	12/02/99	REB	6010
71-S4	24930-04	Digestion			12/01/99	RK	3051
		Total Solids	73.4	ક	12/03/99	SEL	2540G
		Antimony, Total	S 14.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	S 32.	mg/Kg	12/03/99	APL	7060
		Lead, Total	130.	mg/Kg	12/02/99	REB	6010
71-S5	24930-05	Digestion			12/01/99	RK	3051
		Total Solids	93.5	ક	12/03/99	SEL	2540G
		Antimony, Total	14.	mg/Kg	12/03/99	APL	7041
		Arsenic, Total	S 16.	mg/Kg	12/03/99	APL	7060
		Lead, Total	110.	mg/Kg	12/02/99	REB	6010

Continued next page . . .



AMRO Environmental Laboratory Report

Page 2 of 2

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

Results are in dry weight.

All analyses performed in accordance with:

USEPA Methods of Chemical Analysis for Water & Waste.

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

The following standard abbreviations and conventions apply throughout all sections:

- < = 'Less than' followed by the detection limit.
- > = 'Greater than'
- S = Sample concentration was determined by a method of standard addition.
- E = Estimated due to sample non-homogeneity.

SOIL METALS METHOD BLANK

AMRO Project #: 24930

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

Note:

SOIL METALS LABORATORY CONTROL SAMPLE

AMRO Project #: 24930

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

* Control Limits: 80-120%

Note:



SOIL METALS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

AMRO Project #: 24930

AMRO Sample ID: 24930-06

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

^{*} Values outside of QC limits.

vote:

COMPOUND	SPIKE ADDED	MSD	MSD		%		QC	LIMITS
(Method #)	(mg/kg)	CONCENTRATION (mg/kg)	% REC.		RPD		RPD	REC.
	22.4				de la		2.	
Antimony (7041)	6.51	19.1	223	*	50.5	*	20	75-125
\rsenic (7060)	6.51	17.3	86		9.9		20	75-125
.ead (6010)	539	705	117		6.6		20	75-125

Values outside of QC limits.

PD: 1 out of 3 outside limits

pike Recovery: 1 out of 6 outside limits

lote:

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Project:

SA71 Devens, MA

Lab Order:

9912012

Date Received: 12/6/99

Work Order Sample Summary

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

Roy F. Weston, Inc.

Lab Order:

9912012

Project: SA71 Devens, MA

Lab ID:

CLIENT:

9912012-01A

Client Sample ID: TEST PIT-11

Date: 10-Dec-99

Tag Number:

Collection Date: 12/6/99

Analyses	Result	Limit	Qual	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

E - Value above quantitation range

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912012

Project:

SA71 Devens, MA

Lab ID:

9912012-02A

Client Sample ID: TEST PIT-12

Tag Number:

Collection Date: 12/6/99

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
ICP METALS, 3051/6010	S			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

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

Date: 10-Dec-99

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: TEST PIT-21

Lab Order:

9912012

Tag Number:

Project:

SA71 Devens, MA

Collection Date: 12/6/99

Lab ID:

9912012-03A

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010	SW6010B					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	D	2216				Analyst: MM
Percent Moisture	20.4	0		wt%	1	12/7/99

* - Value exceeds Maximum Contaminant Level

Date: 10-Dec-99

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

9912012

SA71 Devens, MA

Project: Lab ID:

9912012-04A

Client Sample ID: TEST PIT-22

Tag Number:

Collection Date: 12/6/99

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			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	D	2216			Analyst: MM
Percent Moisture	20.6	0	wt%	1	12/7/99

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

Proj. No.	P	roject Name SA H1 -	· 151	EVEL	JS. M		Project Si			or - A		10	3/3	//	PAGE 1 OF 1
Samplers (S	Signature)	Herift	we	5	(5.V	DAIK)	& No. of		Was Other		100	41	//	//	
Sta. No.	Date	Time		Grab		Station Location	Container	8	Expl	eln d		4	//	//	Remarks
	12/6/90	1300	X		TEST P	rt - 1:1	gl/802,	11	5	X					
	12/6/99	1300	X		TEST	PIT-12	8/8/2	1	5	X					
	12/6/99	1400	X		TEST	11-21	8/80	2/1	5	X	-				
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Relinquisty	by (Signatur	6	181	Date Tim	15:15	Received for Laboratory b	ye (Signature)	Seal Inf	ect?		N/A	An	alyze	all	Jan naik Som Mark by ICP Method.

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: Lab Order:

Project:

Lab ID:

Roy F. Weston, Inc.

9912044

9912044-01A

SA71-Railroad Roundhouse, Devens, MA

Client Sample ID: SA71-FL1

Tag Number:

Collection Date: 12/8/99

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B			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	D2216				Analyst: MM
Percent Moisture	23.6	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-FL2

Lab Order:

9912044

Tag Number:

Project:

SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

Lab ID:

9912044-02A

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B				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	D2216					Analyst: MN
Percent Moisture	23.6	0		wt%	1	12/8/99

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

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

Collection Date: 12/8/99

Lab ID:

9912044-03A

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	W6010B				Analyst: RK
Antimony	25	4.9	1	mg/Kg	1	12/8/99 5:54:21 PM
Arsenic	29	6.1	1	mg/Kg	1	12/8/99 5:54:21 PM
Lead	990	6.1	1	mg/Kg	1	12/8/99 5:54:21 PM
PERCENT MOISTURE	D2216					Analyst: MM
Percent Moisture	23.7	0	3	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: Lab Order: Roy F. Weston, Inc.

Client Sample ID: SA71-FL4

9912044

Tag Number:

Project:

SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

Lab ID:

9912044-04A

Matrix: SOIL

Analyses	Result	Limit	Qual U	Units	DF	Date Analyzed
ICP METALS, 3051/6010	SW6010B					Analyst: RK
Antimony	31	4.9	n	ng/Kg	1	12/8/99 5:59:30 PM
Arsenic	24	6.2	n	ng/Kg	1	12/8/99 5:59:30 PM
Lead	700	6.2	n	ng/Kg	1	12/8/99 5:59:30 PM
PERCENT MOISTURE	D2216					Analyst: MN
Percent Moisture	28.4	0	v	vt%	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: Lab Order:

Project:

Lab ID:

Roy F. Weston, Inc.

9912044

9912044-05A

Client Sample ID: SA71-FL4 DUP

Tag Number:

SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, 3051/6010	s	W6010B		11.00		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	D2216				Analyst: MM	
Percent Moisture	27.2	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-MS/MSD

Lab Order:

9912044

Tag Number:

Project:

SA71-Railroad Roundhouse, Devens, MA

Collection Date: 12/8/99

Lab ID:

9912044-06A

Matrix: SOIL

Result	Result Limit Qual Units		DF	Date Analyzed
S	W6010B			Analyst: RK
29	4.7	mg/Kg	1	12/8/99 5:14:47 PM
21	5.9	mg/Kg	1	12/8/99 5:14:47 PM
920	5.9	mg/Kg	1	12/8/99 5:14:47 PM
D	2216			Analyst: MM
19.7	0	wt%	1	12/8/99
	29 21 920	SW6010B 29 4.7 21 5.9 920 5.9 D2216	SW6010B 29 4.7 mg/Kg 21 5.9 mg/Kg 920 5.9 mg/Kg D2216	SW6010B 29 4.7 mg/Kg 1 21 5.9 mg/Kg 1 920 5.9 mg/Kg 1 D2216

* - 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.

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	Z
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.

Lab Order:

9912069

SA71-Devens MA

Project: Lab ID:

9912069-01A

Client Sample ID: SA71-S12

Tag Number:

Collection Date: 12/9/99

Analyses	Result	Limit Qua	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	Qual	Units	DF	Date Analyzed		
ICP METALS, 3051/6010	S	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		D2216				Analyst: MM		
Percent Moisture	13.3	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.

SA71-Devens MA

Lab Order: Project:

9912069

Client Sample ID: SA71-S32

Tag Number:

Collection Date: 12/9/99

Lab ID: 9912069-03A

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed		
ICP METALS, 3051/6010	S	W6010B	*			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		2216				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

Client Sample ID: SA71-S42

Tag Number:

Project: Lab ID: SA71-Devens MA

9912069-04A

Collection Date: 12/9/99

Analyses	Result	Limit Qua	l 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		2216			Analyst: MM	
Percent Moisture	8.4	0	wt%	1	12/9/99	

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

CLIENT: Roy F. Weston, Inc.

Lab Order: 9912069

Project: SA71-Devens MA

Lab ID:

9912069-05A

Date: 10-Dec-99

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			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	D2216			Analyst: MM		
Percent Moisture	6.1	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.

Lab Order:

9912069

Project:

SA71-Devens MA

Lab ID:

9912069-06A

Client Sample ID: SA71-HS1

ient Sample 12. Siti

Tag Number:

Collection Date: 12/9/99

Analyses	Result	Limit Qual	it Qual Units		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

^{* -} 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: 99

9912069

Project:

SA71-Devens MA

Lab ID:

9912069-07A

Client Sample ID: SA71-HS2

Tag Number:

Collection Date: 12/9/99

Analyses	Result	Limit Q	ual Units	DF	Date Analyzed Analyst: RK	
ICP METALS, 3051/6010	S	W6010B				
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	

^{* -} 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

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912069

Project:

SA71-Devens MA

Date: 17-Jan-00

QC SUMMARY REPORT

Method Blank

Sample ID: MB-348	Batch ID: 348	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/1	0/99 10:56:28 AM	Prep Da	ate: 12/9/99	
Client ID:		Run ID:	ICP-OPTIMA	_991210A		SeqNo:	8918				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	4		· ·							
Arsenic	0.883	5									J
Lead	ND	5									

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: 34	8	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/1	0/99 11:15:43 AM	Prep Da	ate: 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	Qua
Antimony		577.5	6.1	609.4	3.055	94.3	75	125	0			
Arsenic	(4)	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: 9912059-01AMS	D Batch ID: 34	8	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/1	0/99 11:18:55 AM	Prep Da	ate: 12/9/99	
Client ID:			Run ID:	ICP-OPTIMA	_991210A		SeqNo:	8924				
Analyte .		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony		547.9	6.1	608	3.055	89.6	75	125	577.5	5.06	20	
Arsenic		618.8	7.6	608	9.841	100	75	125	650.5	4.82	20	
Lead		972.7	7.6	608	343.1	104	75	125	1096	17.5	20	

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912069

Project:

SA71-Devens MA

Date: 17-Jan-00

Laboratory Control Spike - generic

QC SUMMARY REPORT

Sample ID: LCS-348	Batch ID: 348	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/10	D/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			

AMRO Environmental Laboratories Corporation 111 Herick Street Meritmack, N.H. 03054 Office: 603-424-2022 Fax: 603-429-8498

CHAIN OF CUSTODY RECORD

30240

Peop. No.	Proj	ed Name SA 7	- -	De	dens 1	MA	Project S MA	200	10 FM 5 F	FIX H - A Sold-S		S	*	1	PAGE_1 OF_1
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Sia. No.	Date	Time	Comp	Grah		Station Location				14	1	/	//	/	Remarks
	12/9/19	1120	X		シネチョ	- 512	8/2		5	X		9			
	12/0/99	1400	Y		シハナレ	- 522	18 les	11	5	×					
	12/4/94	1330	Y		9171.	- 5:42	61/60	11_	4	X					
	12/4/49	1310	4		5A71.	- 942	31/60		5	×_					
	12/9/49	1300	V			. 552	5/180	11.	4	X	1	-			
	12/9/99	1340	У			- HS1	8/80	111	3	Y	0	.1			
	12/9/99	1350	X_		SATI	- HS2	ol/s	1/1	5	Y	De				4.0
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Relinquish	ed by (Signature)	1.	1.0	are Tin		Received by (Signature)	100	POI	; - 5 :			Ξ			4 421 4,01432
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Relinquish	ned by (Signature)		1	Date To	ne 12.7-19	Received for Laboratory	by: (Signaluse)	Seal Int	ict?		NA	36	14.	147 196 3	og ICP Mather! (Tilal

Date: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Project:

SA71-Devens

Lab Order:

9912132

Date Received:

12/14/99

Work Order Sample Summary

Client Sample ID Tag Number **Collection Date**

Lab Sample ID 9912132-01A 9912132-02A

S33

12/14/99

S33Dup

12/14/99

9912132-03A

S13

12/14/99

Date: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912132

Project: Lab ID:

SA71-Devens

9912132-01A

Client Sample ID: S33

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit Qual	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

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: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912132

SA71-Devens

Project: Lab ID:

9912132-02A

Client Sample ID: S33Dup

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	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		2216			Analyst: MM
Percent Moisture	3.7	0	wt%	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: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912132

SA71-Devens

Project: Lab ID:

9912132-03A

Client Sample ID: S13

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit Qua	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: MN
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

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

CHAIN OF CUSTODY RECORD

Proj. No.	Proje	ect Name	SAF	1-1	DEVE	'NS	Project S		MATE Wate			/.		/3		PAGE_1_OF_1
Samplers (S	Signature)	1	e	1	DAVIL	P CABIAL)	Type Size, & No. of		Wast	e-W r-O	V		() () () () () () () () () ()	TA OF	/	
Sta. No.	Date	Time	Comp	Grab		Station Location	Containe	rs	Expla	In A	5/0	7/5	0/	/	/	Rémaiks &
	12/14/99				533	3	10	3 ang Co	S	X	X	×				- L
	17/14/99	0850	Х	- 1	S:	13 - PMP	10	307 (1	S	×	x	X		-7	= 1	1
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Relinquishe	d by (Signature)		D	ate Time		Received by (Signature)		PO#					PH	IONE	AS AS	D BOX 425 IER MA 0 1432 1/3A 178-772-7100
Relinquishe	d by (Signature)		D	ale Time		Received by (Signature)		AMRO PI				8		-24	49	Remarks
Relinquishe	d by (Signature)			ate Time	:00	Received for Laboratory by: (Signature)	gnature)	Seal Intac	ct? No	N	/A		3-D	YAY		

Date: 20-Dec-99

CLIENT:

Work Order:

Roy F. Weston, Inc.

QC SUMMARY REPORT

9912132

Method Blank

Project: SA71-Devens

Sample ID: MB-426	Batch ID: 426	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/1	5/99 3:53:37 PM	Prep Da	ate: 12/15/99	
Client ID:		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10687	•			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Antimony	ND	4									
Arsenic	ND	5									
Lead	ND	5									

D - DDD outside accented recove "mits

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

QC SUMMARY REPORT

Date: 20-Dec-99

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: \$33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	1069	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	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	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 D	ate:	
Client ID:		Run ID:	OVEN-2_991	215A		SeqNo:	10750	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:	10761				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	10	0	0	0	0	0	0	10.9	8.61	25	

R - RPD outside accepted recovery limits

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 D	ate: 12/15/99	1
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	Qua
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	r.			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	287	5	499.1	22	53.1	75	125	281.2	2.48	20	S
Arsenic	497.8	6.2	499.1	13.53	97	75	125	523.8	4.98	20	
Lead	500.6	6.2	499.1	3.863	99.5	75	125	521.1	3.79	20	

I - Analyte detected below quantitation limits

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

Date: 20-Dec-99

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: LCS-426	Batch ID: 426	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/1	5/99 3:57:18 PM	Prep Da	ate: 12/15/99	
Client ID:		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10688	1			
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			

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	

Proj. No.	Proje	SATI	~	Deven	4	Project	State 1 A	Wate	RIX er - A		/	/	/	/	200	AGE_OF
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		0940	0.00	SAT	11-WCOZ	1-	16 02	S	X	×	J.X	X	X	1/X	X	l G
		0950	×	SA	1- WC 03		-	1	×	×	X	×	×	X	×	(84.
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		1020		SAT		-31		7	×	×	A	X	X	X	×	
		1030		SA	71- WC 07		, 56°	1	×	X	×	×	×	×	×	42
		1040		SA			1000	5	×	×	×	×	×	×	x	
		1050		SA	11- WCOO		1. 1	3	×	×	×	X	X	X	×	M was
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ni.	12/14/19	1120	K	5A	171- WC 12	8	1 (Z	X	×	×	×	×	×	×	
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in and the resolved	he turnarou		Cloc		Samples cannot be loant until any ambiguities	s are	Beforece AUT	HORI (phon	omittin code ZATIC e)	g sam J T.A.	ples fo	HORI	ZATIO ZATIO A:T. a sults to	T.A.T. ON NU	, you i	Naik , WISTON
Relinquished	by (Signature)		D	ale Timė	Received by (Signature)		PO#	needed			Ξ			I	Tyer	47C MA 01432
Relinquished	by (Signature)		D	ate Time	Received by (Signature)	2	AMRO P	1.6			E/T	4	fai	urla	ced	Remarks TAT
Relinquished	by (Signature)	T.		ate Time	Received for Laboratory by: (Sig	nature)	Seal Inta	ct? No		VA ,			-			

Date: 20-Dec-99

CLIENT:

Roy F. Weston, Inc.

Project:

SA71 - DEVENS

Lab Order:

9912134

Date Received: 12/14/99

Work Order Sample Summary

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

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:

Collection Date: 12/14/99

Analyses	Result	Limit Qua	l Units	DF	Date Analyzed
ICP METALS, 3051/6010	S	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	D	2216			Analyst: MM
Percent Moisture	21.1	0	wt%	1	12/15/99

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 Qua	al 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:

SA71 - DEVENS

Lab ID:

9912134-03A

Client Sample ID: FL43

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual	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: Lab ID:

9912134-04A

SA71 - DEVENS

Client Sample ID: FL44

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit Qual	Units	DF	Date Analyzed Analyst: RK	
ICP METALS, 3051/6010	s	W6010B				
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	D	2216			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

Lab Order:

9912134

Client:

Roy F. Weston, Inc.

Project:

SA71 - DEVENS

DATES REPORT

Sample ID	Client Sample 1D	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	Date 12/15	Prep Date: 12/15/99			
Client ID:		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10687				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Antimony	ND	4									
Arsenic	ND	5									
Lead	ND	5									

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

QC SUMMARY REPORT

Date: 20-Dec-99

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 Date: 12/15/99		
Client ID: S33		Run ID:	ICP-OPTIMA	_991215F		SeqNo:	10691				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.122	5.2	0	0	0	0	0	22	0	20	J
Arsenic	11.38	6.4	0	0	0	0	0	13.53	17.3	20	
Lead	4.226	6.4	0	0	0	0	0	3.863	0	20	J

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912127-01AD	Batch ID: R775	Test Code:	D2216	Units: wt%		Analysis	Date 12/1	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	Qua
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	LowLlmit	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:	1075)			
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_9912	215A		SeqNo:	10761				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	10	0	0	0	0	0	0	10.9	8.61	25	

R - RPD outside accepted recovery limits

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:	1069	2			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLImit	Qua
Antimony	281.2	5	500.3	22	51.8	75	125	0	- 8.		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:	1069	3			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	287	5	499.1	22	53.1	75	125	281.2	2.48	20	S
Arsenic	497.8	6.2	499.1	13.53	97	75	125	523.8	4.98	20	
Lead	500.6	6.2	499.1	3.863	99.5	75	125	521.1	3.79	20	

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912132

Project:

SA71-Devens

QC SUMMARY REPORT

Date: 20-Dec-99

Laboratory Control Spike - generic

Sample ID: LCS-426	Batch ID: 426	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/1	5/99 3:57:18 PM	Prep Da	ate: 12/15/99	
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			

30331

CHAIN OF CUSTODY RECORD	H	AIN	OF	CUS	TODY	RECO	RD
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Proj. No.	Proje	ect Name	SAF	1 -	DE	VENS		Project S	1		RIX er - A Solid-S		1	4	/3	1	///PA	GELOFL
Samplers (Signature)	0	1	(0	AVID	P CABRAL))	Type Size, & No. of Contains	ers.	Was Othe Expl	te-W r-O	. 1		7	THE	/		
Sta. No.	Date	Time	Comp	Grab		Station Location		Comanic	,,,,,		/3	7/2	19/3	9/	/	/	Rem	arks
	12/14/99	1130	×	9	FL3	3		10	BON, C.	3	×	×	X	0.7				1
		1140	X		Lr3			1		1	×	×	×					
Apple 1	+	1150	X		FL4	3	-	1		+	X	K	X					
	12/14/17		X		FL4			10	long.	5	X	x	X					
						Samples can											HORIZATION	
resolve		ma ume	e Ciot	K WII	not sta	rt until any am	ioiguities	are	rece	ived a	code	T.A.T	r. AUT	HOR	IZATIO	טא אכ	, you must have requence MBER. ized by:	ested in advance and
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Relinquishe	d by (Signature)		12.	ate Tim	e Lido	Received for Labora	atory by: (Sign	ature)	Seal Inta	ct? No	N	I/A		2	JUI	VP/AIC	V-TAT.	



APPENDIX C ANALYTICAL RESULTS OF WASTE CHARACTERIZATION

CLIENT: Roy F. Weston, Inc.

Lab Order:

Client Sample ID: SA71-WC01

9912133 Tag Number:

Collection Date: 12/14/99 Project: SA71-Devens Lab ID: 9912133-01A

Matrix: SOIL

Date: 06-Jan-00

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-Tetrachloroethane	ND	- 41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Ethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

Date: 06-Jan-00

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

9912133

Project:

SA71-Devens

Lab ID:

9912133-01A

Client Sample ID: SA71-WC01

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	62	41		μg/Kg-dry	1	12/16/99 4:34:00 PM
o-Xylene	47	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Styrene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Bromoform	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Isopropylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,1,2,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2,3-Trichloropropane	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
Bromobenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
n-Propylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
2-Chlorotoluene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
4-Chlorotoluene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,3,5-Trimethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
tert-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
1,2,4-Trimethylbenzene	ND	41		μg/Kg-dry	1	12/16/99 4:34:00 PM
sec-Butylbenzene	ND	41		µg/Kg-dry	1	12/16/99 4:34:00 PM
4-isopropyitoluene	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

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

SA71-Devens

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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

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

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

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC03

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99

Lab ID: 9912133-03A Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: SF
Dichlorodifluoromethane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chloromethane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Vinyl chloride	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chloroethane	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Bromomethane	ND	61		μg/Kg-dry	1	12/16/99 5:45:00 PM
Trichlorofluoromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Acetone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1-Dichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Carbon disulfide	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Methylene chloride	ND	61		µg/Kg-dry	1	12/16/99 5:45:00 PM
Methyl tert-butyl ether	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
trans-1,2-Dichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1-Dichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
2-Butanone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
2,2-Dichloropropane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
cis-1,2-Dichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chloroform	ND	31		µg/Kg-dry	11	12/16/99 5:45:00 PM
Bromochloromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1,1-Trichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1-Dichloropropene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Carbon tetrachloride	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Benzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Trichloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dichloropropane	ND	31		µg/Kg-dry	4	12/16/99 5:45:00 PM
Bromodichloromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Dibromomethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
4-Methyl-2-pentanone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
cis-1,3-Dichloropropene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Toluene	63	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
trans-1,3-Dichloropropene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1,2-Trichloroethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2-Dibromoethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
2-Hexanone	ND	310		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,3-Dichloropropane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Tetrachloroethene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Dibromochloromethane	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
Chlorobenzene	ND	31		µg/Kg-dry	4	12/16/99 5:45:00 PM
1,1,1,2-Tetrachloroethane	ND	*31		μg/Kg-dry	1	12/16/99 5:45:00 PM
Ethylbenzene	ND	31		μg/Kg-dry	1	12/16/99 5:45:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

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

Date: 06-Jan-00

R - RPD outside accepted recovery limits

CLIENT: Roy F. Weston, Inc.

Lab Order: 9912133

Project: SA71-Devens

Lab ID: 9912133-03A

Date: 06-Jan-00

Client Sample ID: SA71-WC03

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual 1	Units	DF	Date Analyzed
m,p-Xylene	36	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
o-Xylene	ND	31	1	µg/Kg-dry	1	12/16/99 5:45:00 PM
Styrene	ND	31	1	µg/Kg-dry	1	12/16/99 5:45:00 PM
Bromoform	ND	31	1	µg/Kg-dry	1	12/16/99 5:45:00 PM
Isopropylbenzene	92	31	1	µg/Kg-dry	1	12/16/99 5:45:00 PM
1,1,2,2-Tetrachloroethane	ND	31	1	µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2,3-Trichloropropane	ND	31	1	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	1	µg/Kg-dry	1	12/16/99 5:45:00 PM
1,2,4-Trimethylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
sec-Butylbenzene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
4-Isopropyltoluene	ND	31		µg/Kg-dry	1	12/16/99 5:45:00 PM
1,3-Dichlorobenzene	ND	31	1	µg/Kg-dry	1	12/16/99 5:45:00 PM
1,4-Dichlorobenzene	ND	31	3	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	. 3	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	9	%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	3	%REC	1	12/16/99 5:45:00 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

E - Value above quantitation range

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

9912133

Lab Order: 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

CLIENT: Roy F. Weston, Inc.

Lab Order: 9912133

Project: SA71-Devens

Lab ID: 9912133-04A

Date: 06-Jan-00

Client Sample ID: SA71-WC04

Tag Number:

Collection Date: 12/14/99

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

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

CLIENT:

Roy F. Weston, Inc. Client Sample ID: SA71-WC05

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99

Lab ID: 9912133-05A Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B		100		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		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromomethane	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Trichlorofluoromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Acetone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Carbon disulfide	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Methylene chloride	ND	81		µg/Kg-dry	1	12/16/99 6:57:00 PM
Methyl tert-butyl ether	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
trans-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1-Dichloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
2-Butanone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
2,2-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
cis-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Chloroform	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromochloromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1,1-Trichloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Carbon tetrachloride	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dichloroethane	ND	41		μg/Kg-dry	1	12/16/99 6:57:00 PM
Benzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Trichloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Bromodichloromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Dibromomethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
4-Methyl-2-pentanone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
cis-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Toluene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
trans-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1,2-Trichloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,2-Dibromoethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
2-Hexanone	ND	410		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,3-Dichloropropane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Tetrachloroethene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Dibromochloromethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Chlorobenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
1,1,1,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM
Ethylbenzene	ND	41		µg/Kg-dry	1	12/16/99 6:57:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

Date: 06-Jan-00

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

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC05

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99
Lab ID: 9912133-05A Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

Date: 06-Jan-00

R - RPD outside accepted recovery limits

Date: 02-Feb-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-06A

Client Sample ID: SA71-WC06

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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: 02-Feb-00

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-WC06

Lab Order:

9912133

Tag Number:

Project:

SA71-Devens

Collection Date: 12/14/99

Lab ID:

9912133-06A

Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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: Roy F. Weston, Inc.

Lab Order: 9912133

Project: SA71-Devens

Lab ID: 9912133-07A Client Sample ID: SA71-WC07

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC07

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99

Lab ID: 9912133-07A Matrix: SOIL

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

Date: 06-Jan-00

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: 9912133-08A

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	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:

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	28		μg/Kg-dry	- 11	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

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

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC09

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99
Lab ID: 9912133-09A Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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-Tetrachloroethane	ND	34		μg/Kg-dry	1	12/16/99 9:19:00 PM
Ethylbenzene	ND	34		µg/Kg-dry	1	12/16/99 9:19:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-WC09

Lab Order:

9912133

Tag Number:

Project: Lab ID: SA71-Devens 9912133-09A 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	4	12/16/99 9:19:00 PM
Isopropylbenzene	ND	34		μg/Kg-dry	3	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	40	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	3	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

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

E - Value above quantitation range

^{* -} Value exceeds Maximum Contaminant Level

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC10

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99
Lab ID: 9912133-10A Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

Date: 06-Jan-00

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

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

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. Client Sample ID: SA71-WC11

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99
Lab ID: 9912133-11A Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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

CLIENT: Roy F. Weston, Inc.

Lab Order: 9912133

Project: SA71-Devens Lab ID: 9912133-11A Date: 06-Jan-00

Client Sample ID: SA71-WC11

Tag Number:

Collection Date: 12/14/99

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

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: 9912133-12A

Client Sample ID: SA71-WC12

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	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloromethane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Vinyl chloride	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloroethane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromomethane	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Trichlorofluoromethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Acetone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloroethene	ND	38		μg/Kg-dry	1	12/16/99 11:05:00 PM
Carbon disulfide	ND	77		µg/Kg-dry	1	12/16/99 11:05:00 PM
Methylene chloride	ND	77		μg/Kg-dry	1	12/16/99 11:05:00 PM
Methyl tert-butyl ether	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
trans-1,2-Dichloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
2-Butanone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
2,2-Dichloropropane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
cis-1,2-Dichloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Chloroform	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromochloromethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,1-Trichloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1-Dichloropropene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Carbon tetrachloride	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichloroethane	ND	38		μg/Kg-dry	1	12/16/99 11:05:00 PM
Benzene	40	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Trichloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichloropropane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Bromodichloromethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Dibromomethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
4-Methyl-2-pentanone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
cis-1,3-Dichloropropene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Toluene	70	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
trans-1,3-Dichloropropene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,2-Trichloroethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dibromoethane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
2-Hexanone	ND	380		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,3-Dichloropropane	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Tetrachloroethene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Dibromochloromethane	ND	38		μg/Kg-dry	1	12/16/99 11:05:00 PM
Chlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,1,1,2-Tetrachioroethane	ND	-38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Ethylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Client Sample ID: SA71-WC12

Lab Order:

9912133

Tag Number:

Project: Lab ID:

SA71-Devens

9912133-12A

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 PM
1,3,5-Trimethylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
tert-Butylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2,4-Trimethylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
sec-Butylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
4-Isopropyltoluene	ND	38		μg/Kg-dry	1	12/16/99 11:05:00 PM
1,3-Dichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,4-Dichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
n-Butylbenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2-Dibromo-3-chloropropane	ND	77		μg/Kg-dry	1	12/16/99 11:05:00 PM
1,2,4-Trichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Hexachlorobutadiene	ND	38		μg/Kg-dry	1	12/16/99 11:05:00 PM
Naphthalene	150	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
1,2,3-Trichlorobenzene	ND	38		µg/Kg-dry	1	12/16/99 11:05:00 PM
Surr: 1,2-Dichloroethane-d4	71.3	70-130		%REC	1	12/16/99 11:05:00 PM
Surr: 4-Bromofluorobenzene	68.4	70-130	S	%REC	1	12/16/99 11:05:00 PM
Surr: Dibromofluoromethane	79.6	70-130		%REC	1	12/16/99 11:05:00 PM
Surr: Toluene-d8	74.5	70-130		%REC	1	12/16/99 11:05:00 PM

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: TRIP BLANK

Lab Order:

9912133

Tag Number:

Project:

SA71-Devens

Collection Date: 12/14/99

Lab ID: 9912133-13A Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, MEDIUM-LEVEL		SW8260B				Analyst: RP
Dichlorodifluoromethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Chloromethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Vinyl chloride	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Chloroethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Bromomethane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Trichlorofluoromethane	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Acetone	ND	250		µg/Kg	1	12/28/99 7:40:00 PM
1,1-Dichloroethene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Carbon disulfide	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Methylene chloride	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
trans-1,2-Dichloroethene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,1-Dichloroethane	ND	25		µg/Kg	4	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	9	12/28/99 7:40:00 PM
Chlorobenzene	ND	25		µg/Kg	4	12/28/99 7:40:00 PM
1,1,1,2-Tetrachloroethane	ND	. 25		µg/Kg	4	12/28/99 7:40:00 PM
Ethylbenzene	ND	25		µg/Kg	4	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:

9912133-13A

Client Sample ID: TRIP BLANK

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	25		µg/Kg		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	11	12/28/99 7:40:00 PM
sec-Butylbenzene	ND	25		μg/Kg	1	12/28/99 7:40:00 PM
4-Isopropyltoluene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
n-Butylbenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg	1	12/28/99 7:40:00 PM
1,2,4-Trichlorobenzene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Hexachlorobutadiene	ND	25		µg/Kg	1	12/28/99 7:40:00 PM
Naphthalene	ND	25		µg/Kg	1	12/28/99 7:40:00 PN
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

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.

9912133-01C

Client Sample ID: SA71-WC01

Lab Order: 9912133

Lab ID:

Tag Number:

Project: SA71-Devens

Collection Date: 12/14/99

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

^{&#}x27;ers: 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:

9912133-01C

Client Sample ID: SA71-WC01

ient Sample ID.

Tag Number:

Collection Date: 12/14/99

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	*	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

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC02

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99
Lab ID: 9912133-02C Matrix: SOIL

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

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

Date: 06-Jan-00

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
Diethyl phthalate	ND	320		μg/Kg-dry	1	12/20/99 3:56:00 PM
4-Chlorophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Fluorene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
4-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
4,6-Dinitro-2-methylphenol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
N-Nitrosodiphenylamine	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	320		µg/Kg-dry	-1	12/20/99 3:56:00 PM
4-Bromophenyl phenyl ether	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Hexachlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Pentachlorophenol	ND	640		µg/Kg-dry	1	12/20/99 3:56:00 PM
Phenanthrene	2,000	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Anthracene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Carbazole	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Di-n-butyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Fluoranthene	380	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzidine	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Pyrene	360	320		μg/Kg-dry	1	12/20/99 3:56:00 PM
Butyl benzyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Bis(2-ethylhexyl)phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
3,3'-Dichlorobenzidine	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benz(a)anthracene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Chrysene	520	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Di-n-octyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(b)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(k)fluoranthene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(a)pyrene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Dibenz(a,h)anthracene	ND	320		µg/Kg-dry	1	12/20/99 3:58:00 PM
Indeno(1,2,3-cd)pyrene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Benzo(g,h,i)perylene	ND	320		µg/Kg-dry	1	12/20/99 3:56:00 PM
Surr: 2,4,6-Tribromophenol	73.7	40-103		%REC	1	12/20/99 3:56:00 PM
Sur: 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

CLIENT:

Roy F. Weston, Inc. Client Sample ID: SA71-WC03

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99

Lab ID: 9912133-03C Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
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

Date: 06-Jan-00

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	10	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.

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
SEMIVOLATILE ORGANICS, SOIL/SOLIDS		SW8270C		Leave To the		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-Methylnaphthalene	1,000	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Hexachlorocyclopentadiene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4,6-Trichlorophenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4,5-Trichlorophenol	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Chloronaphthalene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2-Nitroaniline	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
Dimethyl phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,6-Dinitrotoluene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Acenaphthylene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
3-Nitroaniline	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
4-Nitrophenol	ND	620		μg/Kg-dry	1	12/20/99 6:10:00 PM
2,4-Dinitrophenol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
Acenaphthene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
2,4-Dinitrotoluene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Dibenzofuran	450	310		µg/Kg-dry	1	12/20/99 6:10:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

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

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-04C

Date: 06-Jan-00

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
Hexachiorobenzene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Pentachlorophenol	ND	620		µg/Kg-dry	1	12/20/99 6:10:00 PM
Phenanthrene	1,500	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Anthracene	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Carbazole	ND	310		μg/Kg-dry	1	12/20/99 6:10:00 PM
Di-n-butyl phthalate	ND	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Fluoranthene	480	310		µg/Kg-dry	1	12/20/99 6:10:00 PM
Benzidine	ND	310		µg/Kg-dry	4	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	10	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.

Project:

Lab Order: 9912133

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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:

9912133-05C

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC06

Date: 06-Jan-00

Lab Order:

9912133

Tag Number:

Project:

Lab ID:

SA71-Devens 9912133-06C

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	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
Phenol	ND	320		μg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroethyl)ether	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Chlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,3-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,4-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzyl alcohol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,2-Dichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroisopropyl)ether	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Methylphenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
N-Nitrosodi-n-propylamine	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachloroethane	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Nitrobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Isophorone	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dimethylphenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Benzoic acid	1,300	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Nitrophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Bis(2-chloroethoxy)methane	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
1,2,4-Trichlorobenzene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Naphthalene	680	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Chloroaniline	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachlorobutadiene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
4-Chloro-3-methylphenol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Methylnaphthalene	740	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Hexachlorocyclopentadiene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4,6-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4,5-Trichlorophenol	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Chloronaphthalene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2-Nitroaniline	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
Dimethyl phthalate	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,6-Dinitrotoluene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
Acenaphthylene	ND	320		μg/Kg-dry	1	12/20/99 7:17:00 PM
3-Nitroaniline	ND	640		μg/Kg-dry	1	12/20/99 7:17:00 PM
4-Nitrophenol	ND	640		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dinitrophenol	ND	640		μg/Kg-dry	1	12/20/99 7:17:00 PM
Acenaphthene	ND	320		µg/Kg-dry	1	12/20/99 7:17:00 PM
2,4-Dinitrotoluene	ND	320		μg/Kg-dry	1	12/20/99 7:17:00 PM
Dibenzofuran	330	320		μg/Kg-dry	1	12/20/99 7:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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: 9912133-06C Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

Date: 06-Jan-00

R - RPD outside accepted recovery limits

CLIENT:

Roy F. Weston, Inc. Client Sample ID: SA71-WC07

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99

Lab ID: 9912133-07C Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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

Date: 06-Jan-00

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	. 13	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
Sur: 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: Project:

Lab ID:

9912133

Client Sample ID: SA71-WC08

Tag Number:

SA71-Devens 9912133-08C Collection Date: 12/14/99

Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

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

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

SA71-Devens

Project: Lab ID:

9912133-08C

Date: 06-Jan-00

Client Sample ID: SA71-WC08

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc.

9912133

SA71-Devens

Lab ID: 9912133-09C

Lab Order:

Project:

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/SOLIDS		SW8270C		73.16		Analyst: NN
N-Nitrosodimethylamine	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
Phenol	810	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Bis(2-chloroethyl)ether	· ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Chlorophenol	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,3-Dichlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,4-Dichlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzyl alcohol	ND	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Methylphenol	670	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
1,2-Dichlorobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Bis(2-chloroisopropyl)ether	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
4-Methylphenol	1,300	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
N-Nitrosodi-n-propylamine	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Hexachloroethane	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Nitrobenzene	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Isophorone	ND	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
2,4-Dimethylphenol	340	290		µg/Kg-dry	1	12/20/99 8:57:00 PM
Benzoic acid	3,200	570		µg/Kg-dry	1	12/20/99 8:57:00 PM
2-Nitrophenol	ND	290		µg/Kg-dry	1.	12/20/99 8:57:00 PM
Bis(2-chloroethoxy)methane	ND	290		µg/Kg-dry	4	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

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 Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

Date: 06-Jan-00

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT: Roy F. Weston, Inc. Client Sample ID: SA71-WC10

Lab Order: 9912133 Tag Number:

Project: SA71-Devens Collection Date: 12/14/99
Lab ID: 9912133-10C Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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: 9912133-11C Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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: 9912133-11C Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	300		μg/Kg-dry	1	12/21/99 3:49:00 PM
4-Chlorophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Fluorene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Nitroaniline	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
4,6-Dinitro-2-methylphenol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
N-Nitrosodiphenylamine	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
4-Bromophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Hexachlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Pentachlorophenol	ND	610		µg/Kg-dry	1	12/21/99 3:49:00 PM
Phenanthrene	1,600	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Anthracene	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Carbazole	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Di-n-butyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
Fluoranthene	320	300		µg/Kg-dry	1	12/21/99 3:49:00 PM
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

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project: Lab ID: SA71-Devens 9912133-12C Client Sample ID: SA71-WC12

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-12C

Client Sample ID: SA71-WC12

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Diethyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Chlorophenyl phenyl ether	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Fluorene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
4-Nitroaniline	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
4,6-Dinitro-2-methylphenol	ND	600		µg/Kg-dry	11	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	111	12/21/99 4:23:00 PM
Hexachlorobenzene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Pentachlorophenol	ND	600		µg/Kg-dry	1	12/21/99 4:23:00 PM
Phenanthrene	2,300	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Anthracene	340	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Carbazole	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Di-n-butyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Fluoranthene	840	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzidine	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Pyrene	1,200	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Butyl benzyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Bis(2-ethylhexyl)phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
3,3'-Dichlorobenzidine	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benz(a)anthracene	1,600	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Chrysene	2,500	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Di-n-octyl phthalate	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(b)fluoranthene	1,800	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(k)fluoranthene	ND	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(a)pyrene	670	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Dibenz(a,h)anthracene	370	300		μg/Kg-dry	1	12/21/99 4:23:00 PM
Indeno(1,2,3-cd)pyrene	440	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Benzo(g,h,i)perylene	650	300		µg/Kg-dry	1	12/21/99 4:23:00 PM
Surr: 2,4,6-Tribromophenol	71.2	40-103		%REC	1	12/21/99 4:23:00 PM
Surr: 2-Fluorobiphenyl	61.4	44-94		%REC	1	12/21/99 4:23:00 PM
Surr: 2-Fluorophenol	49.1	37-85		%REC	1	12/21/99 4:23:00 PM
Surr: 4-Terphenyl-d14	71.7	47-101		%REC	1	12/21/99 4:23:00 PM
Surr: Nitrobenzene-d5	54.9	38-90		%REC	1	12/21/99 4:23:00 PM
Surr: Phenol-d5	57.0	42-92		%REC	1	12/21/99 4:23:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES	5	W8081A				Analyst: KEM
alpha-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.8		μg/Kg-dry	5	01/03/00
Aldrin	ND	4.8		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.8		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.8		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.8		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDE	15	9.7		µg/Kg-dry	5	01/03/00
Endrin	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.7		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.7		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.7		μg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.7		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.7		μg/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.7		µg/Kg-dry	5	01/03/00
Methoxychlor	ND	48		μg/Kg-dry	5	01/03/00
Technical Chlordane	ND	150		μg/Kg-dry	5	01/03/00
Toxaphene	ND	150		µg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	108	65-157		%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	100	64-124		%REC	5	01/03/00
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1221	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1232	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1242	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1248	ND	30		μg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1254	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Aroclor 1260	ND	30		µg/Kg-dry	1	12/22/99 7:31:00 AM
Surr: Decachlorobiphenyl	114	65-157		%REC	1	12/22/99 7:31:00 AM
Surr: Tetrachloro-m-xylene	94.4	64-124		%REC	1	12/22/99 7:31:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

- See Case Narrative

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

Date: 03-Feb-00

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES	5	W8081A				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: RAF
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

SA71-Devens

Project: 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		W8081A				Analyst: KEM
alpha-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
beta-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
delta-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
gamma-BHC	ND	4.5		µg/Kg-dry	5	01/03/00
Heptachlor	ND	4.5		µg/Kg-dry	5	01/03/00
Aldrin	ND	4.5		µg/Kg-dry	5	01/03/00
Heptachlor epoxide	ND	4.5		µg/Kg-dry	5	01/03/00
Endosulfan I	ND	4.5		µg/Kg-dry	5	01/03/00
alpha-Chlordane	ND	4.5		µg/Kg-dry	5	01/03/00
gamma-Chlordane	ND	4.5		µg/Kg-dry	5	01/03/00
Dieldrin	ND	9.1		µg/Kg-dry	5	01/03/00
4,4'-DDE	ND	9.1		µg/Kg-dry	5	01/03/00
Endrin	ND	9.1		µg/Kg-dry	5	01/03/00
Endosulfan II	ND	9.1		µg/Kg-dry	5	01/03/00
4,4'-DDD	ND	9.1		µg/Kg-dry	5	01/03/00
Endrin aldehyde	ND	9.1		µg/Kg-dry	5	01/03/00
Endrin ketone	ND	9.1		µg/Kg-dry	5	01/03/00
Endosulfan sulfate	ND	9.1		μg/Kg-dry	5	01/03/00
4,4'-DDT	ND	9.1		μg/Kg-dry	5	01/03/00
Methoxychlor	ND	45		μg/Kg-dry	5	01/03/00
Technical Chlordane	ND	140		μg/Kg-dry	5	01/03/00
Toxaphene	ND	140		μg/Kg-dry	5	01/03/00
Surr: Decachlorobiphenyl	198	65-157	S	%REC	5	01/03/00
Surr: Tetrachloro-m-xylene	110	64-124		%REC	5	01/03/00
PCBS BY EPA8082	5	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

CA71 D

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	S	W8081A				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: Tetrachioro-m-xylene	84.0	64-124		%REC	1	12/22/99 10:12:00 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

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project: Lab ID:

SA71-Devens 9912133-05C

Date: 03-Feb-00

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
Aroclor 1232	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1242	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1248	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1254	ND	34		µg/Kg-dry	1	12/22/99 10:40:00 AM
Aroclor 1260	ND	34		μg/Kg-dry	1	12/22/99 10:40:00 AM
Surr: Decachlorobiphenyl	120	65-157		%REC	1	12/22/99 10:40:00 AM
Surr: Tetrachloro-m-xylene	97.2	64-124		%REC	1	12/22/99 10:40:00 AM

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

CLIENT: Roy F. Weston, Inc.

Lab Order:

9912133

Project: Lab ID: SA71-Devens

9912133-06C

Date: 03-Feb-00

Client Sample ID: SA71-WC06

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES	S	W8081A				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	5	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

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:

9912133-07C

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		SW8082				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	4	12/22/99 11:33:00 AM
Aroclor 1260	ND	29		µg/Kg-dry	1	12/22/99 11:33:00 AM
Sur: 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

CLIENT: Roy F. Weston, Inc.

9912133 Lab Order:

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

Date: 03-Feb-00

Client Sample ID: SA71-WC08

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES	9	W8081A				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.

Lab Order:

9912133

SA71-Devens

Project: Lab ID:

9912133-09C

Date: 03-Feb-00

Client Sample ID: SA71-WC09

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	4.6		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

Qualisiers:

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.

9912133

Project: SA71-Devens

Lab Order:

Lab ID: 9912133-10C

Date: 03-Feb-00

Client Sample ID: SA71-WC10

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		W8081A		a Arra		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	5	W8082				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	4	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

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-11C

Date: 03-Feb-00

Client Sample ID: SA71-WC11

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		W8081A				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
Heptachior	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: RAF
Aroclor 1016	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1221	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1232	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1242	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1248	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1254	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Aroclor 1260	ND	30		µg/Kg-dry	1	12/23/99 4:07:00 PM
Surr: Decachlorobiphenyl	115	65-157		%REC	1	12/23/99 4:07:00 PM
Surr: Tetrachloro-m-xylene	97.4	64-124		%REC	1	12/23/99 4:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

- See Case Narrative

Date: 03-Feb-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

Project:

Lab ID:

9912133

9912133-12C

Client Sample ID: SA71-WC12

2133

Tag Number:

SA71-Devens Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES	5	W8081A				Analyst: KEN
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	9	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	5	SW8082				Analyst: RAF
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: Lab Order: Roy F. Weston, Inc.

9912133

Project:

SA71-Devens

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	s	W1010				Analyst: RK
Ignitability	>200	0		*F	1	12/16/99

* - 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.

Lab Order:

9912133

Project:

Lab ID:

SA71-Devens 9912133-01C Client Sample ID: SA71-WC01

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	33	7.2		mg/Kg-dry	1	12/23/99 1:28:44 PM
Barium	200	29		mg/Kg-dry	1	12/23/99 1:28:44 PM
Cadmium	ND	0.72		mg/Kg-dry	1	12/23/99 1:28:44 PM
Chromium	23	1.4		mg/Kg-dry	1	12/23/99 1:28:44 PM
Lead	1,100	7.2		mg/Kg-dry	1	12/23/99 1:28:44 PM
Selenium	ND	12		mg/Kg-dry	1	12/23/99 1:28:44 PM
Silver	ND	2.0		mg/Kg-dry	1	12/23/99 1:28:44 PM
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1				Analyst: JA
Petroleum Hydrocarbons, TR	400	36		mg/Kg-dry	1	12/17/99
MERCURY, SOIL		SW7471				Analyst: GM
Mercury	0.18	0.029		mg/Kg-dry	1	12/17/99
PERCENT MOISTURE		D2216				Analyst: MM
Percent Moisture	18.3	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	12/16/99
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

R - RPD outside accepted recovery limits

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

9912133

Project:

SA71-Devens

Lab ID:

9912133-02B

Client Sample ID: SA71-WC02

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

Date: 06-Jan-00

CLIENT:

Roy F. Weston, Inc.

9912133

Lab Order: Project:

9912133

Lab ID:

SA71-Devens 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

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:

9912133-03B

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

^{* -} Value exceeds Maximum Contaminant Level

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
CP 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)		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

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

Matrix: SOIL

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

* - Value exceeds Maximum Contaminant Level

E - Value above quantitation range

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

Result	Limit	Qual	Units	DF	Date Analyzed
	SW6010B				Analyst: RK
23	7.3		mg/Kg-dry	1	12/23/99 1:44:09 PM
170	29		mg/Kg-dry	1	12/23/99 1:44:09 PM
ND	0.73		mg/Kg-dry	1	12/23/99 1:44:09 PM
14	1.5		mg/Kg-dry	1	12/23/99 1:44:09 PM
490	7.3		mg/Kg-dry	1	12/23/99 1:44:09 PM
ND	12		mg/Kg-dry	1	12/23/99 1:44:09 PM
ND	2.0		mg/Kg-dry	1	12/23/99 1:44:09 PM
	E418.1				Analyst: JA
110	37		mg/Kg-dry	1	12/17/99
	SW7471				Analyst: GM
0.12	0.031		mg/Kg-dry	1	12/17/99
	D2216				Analyst: MM
20.6	0		wt%	1	12/15/99
	SW7.3.3.2				Analyst: GM
ND	10		mg/Kg-dry	1	12/22/99
	SW7.3.4.2				Analyst: JA
ND	50		mg/Kg-dry	1	12/16/99
	SW9045C				Analyst: CFM
4.6	0		pH Units	1	12/15/99
	23 170 ND 14 490 ND ND 110 0.12 20.6 ND	SW6010B 23 7.3 170 29 ND 0.73 14 1.5 490 7.3 ND 12 ND 2.0 E418.1 110 37 SW7471 0.12 0.031 D2216 20.6 0 SW7.3.3.2 ND 10 SW7.3.4.2 ND 50 SW9045C	SW6010B 23 7.3 170 29 ND 0.73 14 1.5 490 7.3 ND 12 ND 2.0 E418.1 110 37 SW7471 0.12 0.031 D2216 20.6 0 SW7.3.3.2 ND 10 SW7.3.4.2 ND 50 SW9045C	SW6010B 23 7.3 mg/Kg-dry 170 29 mg/Kg-dry ND 0.73 mg/Kg-dry 14 1.5 mg/Kg-dry 490 7.3 mg/Kg-dry ND 12 mg/Kg-dry ND 2.0 mg/Kg-dry ND 2.0 mg/Kg-dry E418.1 110 37 mg/Kg-dry SW7471 0.12 0.031 mg/Kg-dry D2216 20.6 0 wt% SW7.3.3.2 ND 10 mg/Kg-dry SW7.3.4.2 ND 50 mg/Kg-dry SW9045C	SW6010B 23 7.3 mg/Kg-dry 1 170 29 mg/Kg-dry 1 ND 0.73 mg/Kg-dry 1 14 1.5 mg/Kg-dry 1 490 7.3 mg/Kg-dry 1 ND 12 mg/Kg-dry 1 ND 2.0 mg/Kg-dry 1 E418.1 110 37 mg/Kg-dry 1 SW7471 0.12 0.031 mg/Kg-dry 1 D2216 20.6 0 wt% 1 SW7.3.3.2 ND 10 mg/Kg-dry 1 SW7.3.4.2 ND 50 mg/Kg-dry 1 SW9045C

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:

9912133-05B

Client Sample ID: SA71-WC05

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

* - 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.

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: CFM
pH	4.8	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:

9912133-06B

C 1 TD C

Client Sample ID: SA71-WC06

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

34 260 ND 27	SW6010B 7.4 29 0.74		mg/Kg-dry	1	Analyst: RK
260 ND	29		그림부 나무 방안하다.	1	12/23/99 1-54-47 PM
ND	- 77				INTOING I.UT.TI FIVE
	0.74		mg/Kg-dry	1	12/23/99 1:54:47 PM
27			mg/Kg-dry	1	12/23/99 1:54:47 PM
	1.5		mg/Kg-dry	1	12/23/99 1:54:47 PM
1,700	7.4		mg/Kg-dry	1	12/23/99 1:54:47 PM
ND	12		mg/Kg-dry	1	12/23/99 1:54:47 PM
ND	2.1		mg/Kg-dry	1	12/23/99 1:54:47 PM
)	E418.1				Analyst: JA
88	38		mg/Kg-dry	1	12/17/99
	SW7471				Analyst: GM
0.098	0.030		mg/Kg-dry	1	12/17/99
	D2216				Analyst: MM
22.3	0		wt%	1	12/15/99
	SW7.3.3.2				Analyst: GM
ND	10		mg/Kg-dry	1	12/22/99
	SW7.3.4.2				Analyst: JA
ND	50		mg/Kg-dry	1	12/21/99
	SW9045C				Analyst: CFN
4.5	0		pH Units	1	12/15/99
	ND ND) 88 0.098 22.3 ND	ND 12 ND 2.1) E418.1 88 38 SW7471 0.098 0.030 D2216 22.3 0 SW7.3.3.2 ND 10 SW7.3.4.2 ND 50 SW9045C	ND 12 ND 2.1 ND 2.1 E418.1 88 38 SW7471 0.098 0.030 D2216 22.3 0 SW7.3.3.2 ND 10 SW7.3.4.2 ND 50 SW9045C	ND 12 mg/Kg-dry ND 2.1 mg/Kg-dry) E418.1 88 38 mg/Kg-dry SW7471 0.098 0.030 mg/Kg-dry D2216 22.3 0 wt% SW7.3.3.2 ND 10 mg/Kg-dry SW7.3.4.2 ND 50 mg/Kg-dry SW9045C	ND 12 mg/Kg-dry 1 ND 2.1 mg/Kg-dry 1) E418.1 88 38 mg/Kg-dry 1 SW7471 0.098 0.030 mg/Kg-dry 1 D2216 22.3 0 wt% 1 SW7.3.3.2 ND 10 mg/Kg-dry 1 SW7.3.4.2 ND 50 mg/Kg-dry 1 SW9045C

^{* -} 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

Matrix: SOIL

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

* - 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.

9912133

Lab Order: 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:

Roy F. Weston, Inc.

00

9912133

Lab Order: Project:

SA71-Devens

Lab ID:

9912133-08B

Client Sample ID: SA71-WC08

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

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

* - Value exceeds Maximum Contaminant Level

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

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

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-WC09

Lab Order:

9912133

Tag Number:

Project:

SA71-Devens

Collection Date: 12/14/99

Lab ID:

9912133-09B

Matrix: SOIL

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

* - Value exceeds Maximum Contaminant Level

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

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed	
ICP 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		450		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: 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.

Client Sample ID: SA71-WC10

Lab Order:

9912133

Tag Number:

Project: Lab ID: SA71-Devens 9912133-10B 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

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

CLIENT: Roy F. Weston, Inc.

Lab Order: 9912133

Project: SA71-Devens Lab ID: 9912133-10C Date: 06-Jan-00

Client Sample ID: SA71-WC10

Tag Number:

Collection Date: 12/14/99

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed	
ICP METALS, 3051/6010		SW6010B				Analyst: RK	
Arsenic	22	9.9		mg/Kg-dry	1	12/23/99 2:22:57 PM	
Barium	140	39		mg/Kg-dry	1	12/23/99 2:22:57 PM	
Cadmium	ND	0.99		mg/Kg-dry	1	12/23/99 2:22:57 PM	
Chromium	16	2.0		mg/Kg-dry	1	12/23/99 2:22:57 PM	
Lead	420	9.9		mg/Kg-dry	1	12/23/99 2:22:57 PM	
Selenium	ND	16		mg/Kg-dry	1	12/23/99 2:22:57 PM	
Silver	ND	2.8		mg/Kg-dry	1	12/23/99 2:22:57 PM	
TPH/IR (MODIFIED FOR SOILS/SOLIDS)		E418.1		6		Analyst: JA	
Petroleum Hydrocarbons, TR	240	46		mg/Kg-dry	1	12/17/99	
MERCURY, SOIL		SW7471				Analyst: GM	
Mercury	0.42	0.038		mg/Kg-dry	1	12/17/99	
PERCENT MOISTURE		D2216				Analyst: MM	
Percent Moisture	37.9	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: Lab Order: Roy F. Weston, Inc.

9912133

SA71-Devens

Project: Lab ID:

9912133-11B

Client Sample ID: SA71-WC11

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

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	
CP 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	
PH/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	
YANIDE, 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

Matrix: SOIL

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

• - 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.

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		1.4		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	

^{• -} 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

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
9912133-01A	SA71-WC01	12/14/99	Soil	VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
9912133-01B				Ignitability			12/16/99
9912133-01C				Cyanide, Reactive			12/22/99
				ICP METALS, 3051/6010		12/21/99	12/23/99
				MERCURY, Soil		12/16/99	12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99	1/3/00
				PCBS IN SOIL/SOLIDS			12/22/99
				Percent Moisture			12/15/99
				pH/Corrosivity in Soil			- 12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	12/20/99
				Sulfide, Reactive			12/16/99
				TPH/IR (Modified for Soils/Solids)			12/17/99
912133-02A	SA71-WC02			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
912133-02B				Ignitability			12/16/99
912133-02C				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
912133-03A	SA71-WC03			VOLATILES by GC/MS, Medium-Level		12/14/99	12/16/99
912133-03B				Ignitability			12/16/99
912133-03C				Cyanide, Reactive			12/22/99
		*		ICP METALS, 3051/6010		12/21/99	12/23/99

Lab Order:

9912133

Client:

Roy F. Weston, Inc.

Project:

SA71-Devens

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date		Analysis Date
9912133-03C	SA71-WC03	12/14/99	Soil	MERCURY, Soil		12/16/99		12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99		1/3/00
				PCBS IN SOIL/SOLIDS				12/22/99
				Percent Moisture				12/15/99
				pH/Corrosivity in Soil				12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99		12/20/99
				Sulfide, Reactive				12/16/99
				TPH/IR (Modified for Soils/Solids)				12/17/99
9912133-04A	SA71-WC04			VOLATILES by GC/MS, Medium-Level		12/14/99		12/16/99
9912133-04B				Ignitability				12/16/99
9912133-04C				Cyanide, Reactive				12/22/99
				ICP METALS, 3051/6010		12/21/99		12/23/99
				MERCURY, Soil		12/16/99		12/17/99
				ORGANOCHLORINE PESTICIDES		12/28/99		1/3/00
				PCBS IN SOIL/SOLIDS				12/22/99
				Percent Moisture				12/15/99
				pH/Corrosivity in Soil				12/15/99
				SEMIVOLATILE ORGANICS, Soil/Solids		12/17/99	7	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

Analysis Date	Prep Date	TCLP Date	Test Name	Matrix	Collection Date	Client Sample ID	Sample ID
12/15/99			pH/Corrosivity in Soil	Soil	12/14/99	SA71-WC05	9912133-05C
12/20/99	12/17/99		SEMIVOLATILE ORGANICS, Soil/Solids				
12/16/99			Sulfide, Reactive				
12/17/99			TPH/IR (Modified for Soils/Solids)				
12/16/99	12/14/99		VOLATILES by GC/MS, Medium-Level			SA71-WC06	9912133-06A
12/16/99			Ignitability				9912133-06B
12/22/99			Cyanide, Reactive				9912133-06C
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				
12/15/99			Percent Moisture				
12/15/99			pH/Corrosivity in Soil				
12/20/99	12/17/99		SEMIVOLATILE ORGANICS, Soil/Solids				
12/21/99			Sulfide, Reactive				
12/17/99			TPH/IR (Modified for Soils/Solids)				
12/16/99	12/14/99		VOLATILES by GC/MS, Medium-Level			SA71-WC07	9912133-07A
12/16/99			Ignitability				9912133-07B
12/22/99			Cyanide, Reactive				9912133-07C
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				
12/15/99			Percent Moisture				
12/15/99			pH/Corrosivity in Soil				
12/20/99	12/17/99		SEMIVOLATILE ORGANICS, Soil/Solids				
12/21/99			Sulfide, Reactive				
12/17/99			TPH/IR (Modified for Soils/Solids)				

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				
12/15/99			Percent Moisture				
12/15/99			pH/Corrosivity in Soil				
12/20/99	12/17/99		SEMIVOLATILE ORGANICS, Soil/Solids				
12/21/99			Sulfide, Reactive				
12/17/99			TPH/IR (Modified for Soils/Solids)				
12/16/99	12/14/99		VOLATILES by GC/MS, Medium-Level			SA71-WC09	9912133-09A
12/16/99			Ignitability				9912133-09B
12/22/99			Cyanide, Reactive				9912133-09C
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				
12/23/99			PCBS IN SOIL/SOLIDS				
12/15/99			Percent Moisture				
12/15/99			pH/Corrosivity in Soil				
12/20/99	12/17/99		SEMIVOLATILE ORGANICS, Soil/Solids				
12/21/99			Sulfide, Reactive				
12/17/99			TPH/IR (Modified for Soils/Solids)				
12/16/99	12/14/99		VOLATILES by GC/MS, Medium-Level			SA71-WC10	9912133-10A
12/16/99			Ignitability				9912133-10B
12/22/99			Cyanide, Reactive				9912133-10C
12/23/99	12/21/99		ICP METALS, 3051/6010				

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

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)			
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				ĭ					
2,2-Dichloropropane	ND	25									
cis-1,2-Dichloroethene	ND	25									
Chloroform	ND	25									
Bromochloromethane	ND	25									
1,1,1-Trichloroethane	ND	25									
1,1-Dichloropropene	ND	25									
Carbon tetrachloride	ND	25									
1,2-Dichloroethane	ND	25									
Benzene	ND	25									
Trichloroethene	ND	25									
1,2-Dichloropropane	ND	25									
Bromodichloromethane	ND	25									

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

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

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Method Blank

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

Qualifiers:

ND - Not Detected at the Reporting Limit

7.500

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: Work Order:	- Roy F. Weston, Inc. 9912133								QC SUMMA	RY REPORT Method Blank
Project:	SA71-Devens									
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: Dibromofle	uoromethane	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-Bromofl	luorobenzene	2208	25	2500	0	88.3	70	130	0	

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Method Blank

Sample ID M.blk12/27/99	Batch ID: R1039	Test Code:	SW8260B	Units: µg/Kg		Analysis	Date 12/2	B/99 7:05:00 PM	Prep Da	ate 12/27/99	
Client ID:		Run ID:	V-1_991229B			SeqNo:	13897	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	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				1.7					
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.

Roy F. Weston, Inc. CLIENT: **QC SUMMARY REPORT** Work Order: 9912133 Method Blank Project: SA71-Devens cis-1,3-Dichloropropene ND 25 25 ND Toluene trans-1,3-Dichloropropene ND 25 1,1,2-Trichloroethane ND 25 1.2-Dibromoethane ND 25 2-Hexanone 250 ND 1,3-Dichloropropane ND 25 Tetrachloroethene ND 25 Dibromochloromethane ND 25 Chlorobenzene ND 25 1,1,1,2-Tetrachloroethane ND 25 Ethylbenzene ND 25 m,p-Xylene ND 25 o-Xylene ND 25 Styrene ND 25 Bromoform 25 ND Isopropylbenzene ND 25 ND 25 1,1,2,2-Tetrachloroethane ND 25 1,2,3-Trichloropropane Bromobenzene ND 25 n-Propylbenzene ND 25 25 2-Chlorotoluene ND 4-Chlorotoluene ND 25 25 1,3,5-Trimethylbenzene ND 25 tert-Butylbenzene ND ND 25 1,2,4-Trimethylbenzene sec-Butylbenzene ND 25 4-Isopropyltoluene ND 25 1,3-Dichlorobenzene ND 25 1,4-Dichlorobenzene ND 25 25 n-Butylbenzene ND 1,2-Dichlorobenzene ND 25

Qualifiers:

1,2-Dibromo-3-chloropropane

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 rate.

50

ND

CLIENT: Work Order: Project:	Roy F. Weston, Inc. 9912133 SA71-Devens								QC SUMMA	RY REPORT Method Blank
1,2,4-Trichloroben	zene	ND	25							
Hexachlorobutadie	ene	ND	25							
Naphthalene		ND	25							
1,2,3-Trichloroben	zene	ND	25							
Surr: Dibromofle	uoromethane	2472	25	2500	0	98.9	70	130	0	
Surr. 1,2-Dichlo	roethane-d4	2549	25	2500	0	102	70	130	0	
Surr: Toluene-d	8	2560	25	2500	0	102	70	130	0	
Surr: 4-Bromofle	uorobenzene	2487	25	2500	0	99.5	70	130	0	

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

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

* - Value exceeds Maximum Contaminant Level

CLIENT: Roy F. Weston, Inc.

Work Order: 9912133

Project: SA71-Devens

Date: 02-Feb-00

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID 9912133-12AMS	Batch ID: R971	Test Code:	SW8260B	Units: µg/Kg-dry		Analysis	Date 12/1	6/99 11:41:00 PM	Prep D	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	Qua
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 D	ate 12/14/99	h
Client ID: SA71-WC12		Run ID:	V-2_991224A			SeqNo:	1326	4			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
1,1-Dichloroethene	825.7	38	769.2	0	107	70	130	890.7	7.57	25	
Benzene	846.9	38	769.2	40.38	105	70	130	885.3	4.44	25	
Trichloroethene	710.3	38	769.2	0	92.4	70	130	784.2	9.88	25	
Toluene	804.9	38	769.2	69.61	95.6	70	130	852.2	5.71	25	
Chlorobenzene	808	38	769.2	0	105	70	130	821.9	1.7	25	
Surr: Dibromofluoromethane	3067	38	3846	0	79.7	70	130	3227	0	0	
	2692	38	3846	0	70	70	130	2758	0	0	
Surr: 1,2-Dichloroethane-d4											
Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8	2859	38	3846	0	74.3	70	130	2960	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

RI - Reporting Limit: defined as the lowest concentration the laboratory can accurately on titate.

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	te 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		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	
	2123	24	2411	0	88.1	70	130	2185	0	0	
Surr: Dibromofluoromethane			(4) 2 4 4	•	92.4	70	130	2300	0	0	
Surr: Dibromofluoromethane Surr: 1,2-Dichloroethane-d4	2229	24	2411	0	32.4			2000		U	
	2229 2343	24 24	2411 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

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

Roy F. Weston, Inc.

Work Order: 9912133 Project:

CLIENT:

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 D	ate 12/14/99	,
Client ID:		Run ID:	V-2_991224A			SeqNo:	1324	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	10000	PIATE	
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 lcs12/27/99	Batch ID: R1039	Test Code:	SW8260B	Units: µg/Kg		Analysis	s Date 12/2	8/99 5:54:00 PM	Prep Da	ate 12/27/09	C.
Client ID:		Run ID:	V-1_991229B			SeqNo:	1389	6			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
1,1-Dichloroethene	453	25	500	0	90.6	70	130	0			
Benzene	485.8	25	500	0	97.2	70	130	0			
Trichloroethene	417.3	25	500	0	83.5	70	130	0			
Toluene	462.5	25	500	0	92.5	70	130	0			
Chlorobenzene	469.2	25	500	0	93.8	70	130	0			
Surr: Dibromofluoromethane	2348	25	2500	0	93.9	70	130	0			
Surr: 1,2-Dichloroethane-d4	2450	25	2500	0	98	70	130	0			
Suit. 1,2-Dictiloloculatio-u4											
Surr: Toluene-d8	2328	25	2500	0	93.1	70	130	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

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

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	A		SeqNo:	1204	2			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
N-Nitrosodimethylamine	ND	500									
Phenol	ND	250									
Bis(2-chloroethyl)ether	ND	250									
2-Chlorophenol	ND	250									
1,3-Dichlorobenzene	ND	250									
1,4-Dichlorobenzene	ND	250									
Benzyl alcohol	ND	500									
2-Methylphenol	ND	250									
1,2-Dichlorobenzene	ND	250									
Bis(2-chloroisopropyl)ether	ND	250									
4-Methylphenol	ND	250									
N-Nitrosodi-n-propylamine	ND	250									
Hexachloroethane	ND	250									
Nitrobenzene	ND	250				- 1					
Isophorone	ND	250									
2,4-Dimethylphenol	ND	250									
Benzoic acid	163.3	500									J
2-Nitrophenol	ND	250									
Bis(2-chloroethoxy)methane	ND	250									
2,4-Dichlorophenol	ND	250									
1,2,4-Trichlorobenzene	ND	250									
Naphthalene	ND	250									
4-Chloroaniline	ND	250									
Hexachlorobutadiene	ND	250									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	250									

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

^{1 -} 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
Work Order:	9912133			Method Blank
Project:	SA71-Devens			Method Blank
Hexachlorocyclope	entadiene	ND	250	_
2,4,6-Trichlorophe	nol	ND	250	
2,4,5-Trichlorophe	nol	ND	250	
2-Chloronaphthale	ne	ND	250	
2-Nitroaniline		ND	500	
Dimethyl phthalate		ND	250	
2,6-Dinitrotoluene		ND	250	
Acenaphthylene		ND	250	
3-Nitroaniline		ND	500	
4-Nitrophenol		ND	500	
2,4-Dinitrophenol		ND	500	
Acenaphthene		ND	250	
2,4-Dinitrotoluene		ND	250	
Dibenzofuran		ND	250	
Diethyl phthalate		ND	250	
4-Chlorophenyl ph	enyl ether	ND	250	
Fluorene		ND	250	
4-Nitroaniline		ND	500	
4,6-Dinitro-2-meth	ylphenol	ND	500	
N-Nitrosodiphenyl	amine	ND	250	· ·
1,2-Diphenylhydra	zine (as Azobenzene	ND	250	
4-Bromophenyl ph	enyl ether	ND	250	
Hexachlorobenzer	ne	ND	250	
Pentachloropheno	1	ND	500	
Phenanthrene		ND	250	
Anthracene		ND	250	
Carbazole		ND	250	
Di-n-butyl phthalat	e	ND	250	
Fluoranthene		ND	250	
Benzidine		ND	250	
Pyrene		ND	250	
Butyl benzyl phtha	late	ND	250	
Bis(2-ethylhexyl)pl		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

Roy F. Weston, Inc. CLIENT: **QC SUMMARY REPORT** Work Order: 9912133 Method Blank Project: SA71-Devens 3.3'-Dichlorobenzidine ND 250 Benz(a)anthracene ND 250 Chrysene ND 250 Di-n-octyl phthalate ND 250 Benzo(b)fluoranthene ND 250 Benzo(k)fluoranthene ND 250 Benzo(a)pyrene ND 250 Dibenz(a,h)anthracene ND 250 Indeno(1,2,3-cd)pyrene ND 250 Benzo(g,h,i)perylene ND 250 Surr: 2-Fluorophenol 2380 50 3733 0 63.8 37 85 0 Surr: Phenol-d5 2590 50 3733 0 69.4 42 92 0 Surr: Nitrobenzene-d5 1619 50 2489 0 65 38 90 0 Surr: 2-Fluorobiphenyl 1765 50 2489 0 70.9 44 94 0 Surr: 2,4,6-Tribromophenol 2535 50 3733 67.9

0

0

71.3

40

47

103

101

0

0

Qualifiers:

Surr: 4-Terphenyl-d14

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.

1775

50

2489

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	s 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
Phenol	2328	290	4344	0	53.6	40	86	0			
2-Chlorophenol	2329	290	4344	0	53.6	42	91	0			
1,4-Dichlorobenzene	1352	290	2896	0	46.7	38	88	0			
N-Nitrosodi-n-propylamine	1817	290	2896	0	62.8	42	97	0			
1,2,4-Trichlorobenzene	1465	290	2896	0	50.6	44	96	0			
4-Chloro-3-methylphenol	2557	580	4344	0	58.9	46	99	0			
4-Nitrophenol	2302	580	4344	0	53	41	100	0			
Acenaphthene	1726	290	2896	0	59.6	40	107	0			
2,4-Dinitrotoluene	1593	290	2896	0	55	39	104	0			
Pentachlorophenol	2237	580	4344	0	51.5	26	107	0			
Pyrene	2127	290	2896	347.4	61.5	26	131	0			
Surr: 2-Fluorophenol	2238	58	4344	0	51.5	37	85	0			
Surr: Phenol-d5	2477	58	4344	0	57	42	92	0			
Surr: Nitrobenzene-d5	1705	58	2896	0	58.9	38	90	0			
Surr: 2-Fluorobiphenyl	1786	58	2896	0	61.7	44	94	0			
Surr: 2,4,6-Tribromophenol	2179	58	4344	0	50.2	40	103	0			
Surr: 4-Terphenyl-d14	1878	58	2896	0	64.8	47	101	0			

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

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	
Client ID: SA71-WC03		Run ID:	SV-3_991220/	\		SeqNo:	1205	i:			
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	

Qualifiers:

ND - Not Detected at the Reporting I imit

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	s Date 12/2	0/99 1:09:00 PM	Prep D	ate 12/17/99	è
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	Qua
Phenol	1833	240	3582	0	51.2	40	86	0			
2-Chlorophenol	1904	240	3582	0	53.1	42	91	0			
1,4-Dichlorobenzene	1043	240	2388	0	43.7	38	88	0			
N-Nitrosodi-n-propylamine	1264	240	2388	0	52.9	42	97	0			
1,2,4-Trichlorobenzene	1149	240	2388	0	48.1	44	96	0			
4-Chloro-3-methylphenol	2028	480	3582	0	56.6	46	99	0			
4-Nitrophenol	1837	480	3582	0	51.3	41	100	0			
Acenaphthene	1365	240	2388	0	57.2	40	107	0			
2,4-Dinitrotoluene	1218	240	2388	0	51	39	104	0			
Pentachlorophenol	1729	480	3582	0	48.3	26	107	0			
Pyrene	1469	240	2388	0	61.5	26	131	0			
Surr: 2-Fluorophenol	1888	48	3582	0	52.7	37	85	0			
Surr: Phenol-d5	2052	48	3582	0	57.3	42	92	0			
Surr: Nitrobenzene-d5	1269	48	2388	0	53.2	38	90	0			
Surr: 2-Fluorobiphenyl	1422	48	2388	0	59.5	44	94	0			
Surr: 2,4,6-Tribromophenol	2029	48	3582	0	56.6	40	103	0			
Surr: 4-Terphenyl-d14	1501	48	2388	0	62.9	47	101	0			

B - Analyte detected in the associated Method Blank

^{1 -} Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

Date: 02-Feb-00

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Method Blank

Sample ID MB-533	Batch ID: 533	Test Code:	SW8081A	Units: µg/Kg		Analysis	s Date 01/0	3/2000	Prep D	ate 12/28/19	99
Client ID:		Run ID:	GC-TRENT_	000103A		SeqNo:	1525	5			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-BHC	ND	0.79									
beta-BHC	ND	0.79									
delta-BHC	ND	0.79									
gamma-BHC	ND	0.79									
Heptachlor	ND	0.79									
Aldrin	ND	0.79									
Heptachlor epoxide	ND	0.79									
Endosulfan I	ND	0.79									
alpha-Chlordane	ND	0.79									
gamma-Chlordane	ND	0.79									
Dieldrin	ND	1.6									
4,4'-DDE	ND	1.6									
Endrin	ND	1.6				1					
Endosulfan II	ND	1.6									
4,4'-DDD	ND	1.6									
Endrin aldehyde	ND	1.6									
Endrin ketone	ND	1.6									
Endosulfan sulfate	ND	1.6									
4,4'-DDT	ND	1.6									
Methoxychlor	ND	7.9									
Technical Chlordane	ND	25									
Toxaphene	ND	25									
Surr: Tetrachloro-m-xylene	7.128	0	7.901	0	90.2	64	124	0			
Surr: Decachlorobiphenyl	7.228	0	7.901	0	91.5	65	157	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

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 D	ate 12/15/99	Pill
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								11	
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 D	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	Qual
Aroclor 1016	ND	25									
Aroclor 1221	ND	25									
Aroclor 1232	ND	25									
Aroclor 1242	ND	25									
Aroclor 1248	ND	25									
Aroclor 1254	ND	25									
Aroclor 1260	ND	25									
Surr: Decachlorobiphenyl	9.004	0	7.94	0	113	65	157	0			
			7.94		106	64	124	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

1 - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

CLIENT:

Roy F. Weston, Inc.

Work Order: Project: 9912133

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 D	ate 12/28/19	99
Client ID: SA71-WC06		Run ID:	GC-TRENT_C	000103A		SeqNo:	1526	8			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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_C	000103A		SeqNo:	1526	9			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	8.158	5	12.51	0	65.2	40	141	6.526	22.2	50	
Heptachlor	8.605	5	12.51	0	68.8	47	137	6.979	20.9	50	
Aldrin	5.613	5	12.51	0	44.9	45	140	5.812	3.49	50	S
Dieldrin	19.91	10	31.27	0	63.7	43	150	18:46	7.56	50	
Endrin	34.76	10	31.27	0	111	43	184	31.77	8.99	50	
4,4'-DDT	27.4	10	31.27	0	87.6	38	153	26.15	4.69	50	
Surr: Tetrachloro-m-xylene	8.402	0	10.01	0	84	64	124	12.36	0	0	

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	s Date 12/2	3/99 12:37:00 AM	Prep D	ate 12/15/99	1,
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	Qual
Aroclor 1016	571.7	100	655	0	87.3	67	116	0			
Aroclor 1260	602.1	210	655	0	91.9	55	122	0			
Surr: Decachlorobiphenyl	11.32	0	10.48	0	108	65	157	0			
Surr: Tetrachloro-m-xylene	10.2	0	10.48	0	97.3	64	124	0			
Sample ID 9912104-10AMSD	Batch ID: 510	Test Code:	SW8082	Units: µg/Kg-dry		Analysis	Date 12/2	3/99 1:04:00 AM	Prep Da	ate 12/15/99	
Client ID:		Run ID:	GC-ELVIS_9	91223D		SeqNo:	1307	6			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	598.4	100	646.8	0	92.5	67	116	571.7	4.56	50	-
Aroclor 1260	639.9	210	646.8	0	98.9	55	122	602.1	6.08	50	
Surr: Decachlorobiphenyl	11.79	0	10.35	0	114	65	157	11.32	0	0	
Suit. Decacilioroupheny											

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

Laboratory Control Spike - generic

Sample ID LCS-533	Batch ID: 533	Test Code:	SW8081A	Units: µg/Kg		Analysis	Date 01/0	3/2000	Prep D	ate 12/28/19	199
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		-	
Heptachlor	9.652	0.8	9.945	0	97.1	47	137	0			
Aldrin	10.27	0.8	9.945	0	103	45	140	0			
Dieldrin	26.45	1.6	24.86	0	106	43	150	0			
Endrin	27.69	1.6	24.86	0	111	43	184	0			
4,4'-DDT	25.85	1.6	24.86	0	104	38	153	0			
Surr: Tetrachloro-m-xylene	7.727	0	7.956	0	97.1	64	124	0			
Surr: Decachlorobiphenyl	8.13	0	7.956	0	102	65	157	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID LCS-510	Batch ID: 510	Test Code	: SW8082	Units: µg/Kg		Analysis	s Date 12/2	2/1999 03:28:00	Prep D	ate 12/15/19	999
Client ID:		Run ID:	GC-ELVIS_9	91223C		SeqNo:	2156	•			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
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			

CLIENT:

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Date: 01-Feb-00

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	ate: 12/21/99	(
Client ID:		Run ID:	ICP-OPTIMA	_991223A		SeqNo:	13139				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	5						141			
Barium	ND	20									
Cadmium	ND	0.5									
Chromium	0.8058	1									J
Lead	ND	5									
Selenium	1.687	8									J
Silver	ND	1.4									

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

* - 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	7/99	Prep Da	ate:	
Client ID:		Run ID:	ING-IR_9912	17A		SeqNo:	11116	3			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	25									

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Method Blank

Sample ID: MB-436	Batch ID: 436	Test Code	Test Code: SW7471 Units: mg/Kg			Analysis	Date 12/1	7/99	Prep Da	ate: 12/16/99	
Client ID:		Run ID:	HG-FIMS_99	1217A		SeqNo:	11039	9			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.025								-1	

B - Analyte detected in the associated Method Blank

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Method Blank

Sample ID: MBLANK	Batch ID: R915	Test Code:	SW7.3.3.2	Units: mg/Kg		Analysis	Date 12/2	2/99	Prep D	ate:	
Client ID:		Run ID:	ING-WET_99	1222A		SeqNo:	1232	8			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	10	,								
Sample ID: MBLANK	Batch ID: R922	Test Code:	SW7.3.3.2	Units: mg/Kg		Analysis	Date 12/2	2/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	1222B		SeqNo:	1244	3			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Cyanide	ND	10									

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 12/10	6/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	12161		SeqNo:	17848	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	Date 12/2	1/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	1221D		SeqNo:	17849	9			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Reactive Sulfide	ND	50									,

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 Duplicate

Sample ID: 9912077-02AD	Batch ID: R802	Test Code:	SW1010	Units: °F		Analysis	Date 12/1	6/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	1216E		SeqNo:	17840	6			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Ignitability	ND	0	0	0	0	0	0	0	0	20	

-- I inite defined as the lowest concentration the laboratory can accurately

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	

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: R889	Test Code:	SW7.3.4.2	Units: mg/Kg		Analysis	s Date 12/2	1/99	Prep Da	ate:	
Client ID: SA71-WC06		Run ID:	ING-WET_99	11221D		SeqNo:	1221)			
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	s Date 12/1	6/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	12161		SeqNo:	1222	•			
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	

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9912133-01CD	Batch ID: R755	Test Code:	SW9045C	Units: pH Units		Analysis	Date 12/1	5/99	Prep Da	ate:	
Client ID: SA71-WC01		Run ID:	ING-WET_99	1215A		SeqNo:	10433	3	4		
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	

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

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	Qua
Arsenic	568.4	6.5	516.5	14.11	107	75	125	0	1		
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	0
Client ID:		Run ID:	ICP-OPTIMA	991223A		SeqNo:	13145	5			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	598.6	7	557.3	14.11	105	.75	125	568.4	5.18	20	
Barium	557.3	28	557.3	14.23	97.5	75	125	536.8	3.75	20	
Cadmium	110	0.7	111.5	0	98.7	75	125	105	4.64	20	
Chromium	555.3	1.4	557.3	7.624	98.3	75	125	521.9	6.2	20	
Lead	559.1	7	557.3	2.446	99.9	75	125	533.9	4.6	20	
	VIO 24 D	44	EE7 2	2.000	OF	75	125	502.9	5.67	20	
Selenium	532.3	11	557.3	3.069	95	13	123	302.9	5.67	20	

1 -- 4b- lawrest concentration the laboratory can accurately

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 12/1	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 12/1	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

Sample ID: 9912151-01BMS	Batch ID: 436	Test Code:	SW7471	Units: mg/Kg-dry		Analysis	Date 12/1	7/99	Prep Da	ate: 12/16/99	1
Client ID:		Run ID:	HG-FIMS_99	1217A		SeqNo:	11019	9			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.6656	0.029	0.5715	0.0395	110	75	125	0			
Sample ID: 9912151-01BMSD	Batch ID: 436	Test Code:	SW7471	Units: mg/Kg-dry		Analysis	Date 12/1	7/99	Prep Da	ale: 12/16/99	r.
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	

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-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	Qua
Arsenic	431.6	5	400	0	108	80	120	0			
Barium	394.9	20	400	0	98.7	80	120	0			
Cadmium	80.07	0.5	80	0	100	80	120	0			
Chromium	389.6	1	400	0.8058	97.2	80	120	0			
Lead	404.3	_ 5	400	0	101	80	120	0			
Selenium	390.4	8	400	1.687	97.2	80	120	0			
Silver	37.88	1.4	40	0	94.7	80	120	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

* - Value exceeds Maximum Contaminant Level

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS	ample ID: LCS Batch ID: R808			Units: mg/Kg		Analysis	Date 12/1	7/99	Prep Da	ate:	
Client ID:	Run ID:	ING-IR_9912	17A		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			

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS 121699	Batch ID: R802	Test Code:	SW1010	Units: °F		Analysis	Date 12/10	6/99	Prep Da	ate:	
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			
Sample ID: LCS 121699 #2	Batch ID: R802	Test Code:	SW1010	Units: °F		Analysis	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			

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.

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	s Date 12/1	7/99	Prep D	ate: 12/16/99	
Client ID:		Run ID:	HG-FIMS_99	1217A		SeqNo:	1103	6			
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			

Roy F. Weston, Inc.

Work Order:

9912133

Project:

SA71-Devens

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS 121599	Batch ID: R755	Test Code:	SW9045C	Units: pH Units		Analysis	Date 12/1	5/99	Prep Da	ate:	
Client ID:		Run ID:	ING-WET_99	11215A		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	100		

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: 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	Ť.	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 Date	Prep Date	TCLP Date	Test Name	Matrix	Collection Date	Client Sample ID	Sample ID
12/23/99	12/21/99		ICP METALS, 3051/6010	Soil	12/14/99	SA71-WC01	0001188-01A
1/24/00	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/00	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/99	12/21/99		ICP METALS, 3051/6010			SA71-WC02	0001188-02A
1/24/00	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/00	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/99	12/21/99		ICP METALS, 3051/6010			SA71-WC03	0001188-03A
1/25/00	1/21/00	1/20/00	ICP METALS, TCLP				
1/24/00	1/21/00	1/20/00	ICP METALS, TCLP				
12/23/99	12/21/99		ICP METALS, 3051/6010			SA71-WC04	0001188-04A
	1/21/00	1/20/00	ICP METALS, TCLP				
1/25/00		1/20/20	ICP METALS, TCLP			CATL WOOD	0001188-05A
1/24/00	1/21/00	1/20/00	ICP METALS, 3051/6010	-		SA71-WC05	0001100-0JA
12/23/99	12/21/99	1/20/00	ICP METALS, TCLP				
1/24/00	1/21/00	1/20/00	ICP METALS, TCLP			SA71-WC06	0001188-06A
1/25/00	1/21/00	1/20/00	ICP METALS, 3051/6010			3A71-WC00	
12/23/99	12/21/99	1/20/00	ICP METALS, TCLP				
1/24/00	1/21/00	1/20/00	ICP METALS, TCLP			SA71-WC07	0001188-07A
1/25/00	1/21/00	1/20/00	ICP METALS, 3051/6010			5A/1-WC0/	
12/23/99	12/21/99	1/20/00	ICP METALS, TCLP				
1/24/00	1/21/00	1/20/00	ICP METALS, TCLP			SA71-WC08	A80-881100
1/25/00	1/21/00	1/20/00	ICP METALS, 3051/6010			5A71-WC08	
12/23/99	12/21/99	1/20/00	ICP METALS, TCLP				
1/24/00	1/21/00	1/20/00	ICP METALS, TCLP			SA71-WC09	A90-881100
1/25/00	1/21/00		ICP METALS, 3051/6010			SA71-WC09	
12/23/99	12/21/99	4.00	ICP METALS, TCLP				
1/25/00	/21/00	444	ICP METALS, TCLP			SA71-WC10	01188-10A
1/24/00	/21/00		ICP METALS, 3051/6010			SATI-WCIU	
12/23/99	2/21/99						

Lab Order:

0001188

Client:

Roy F. Weston, Inc.

Project:

SA71- Devens

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0001188-10A	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

CLIENT: Roy F. Weston, Inc.

Lab Order: 0001188

Project: SA71- Devens

Lab ID: 0001188-01A

Date: 26-Jan-00

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

^{* -} 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

Client Sample ID: SA71-WC02

Tag Number:

Project: Lab ID: SA71- Devens 0001188-02A

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	54	6.5		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	2.0	0.25		mg/L	1	1/25/00 2:32:33 PM

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: Lab ID: SA71- Devens

0001188-03A

Client Sample ID: SA71-WC03

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	18	5.6		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	5.6	0.25	•	mg/L	1	1/25/00 2:37:20 PM

* - Value exceeds Maximum Contaminant Level

- See Case Narrative

E - Value above quantitation range

Date: 26-Jan-00

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

0001188

Project:

SA71- Devens

Lab ID:

0001188-04A

Client Sample ID: SA71-WC04

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	19	5.8		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	2.9	0.25		mg/L	1	1/25/00 2:42:06 PM

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

Client Sample ID: SA71-WC05

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	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

- * Value exceeds Maximum Contaminant Level
- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- # Sec Case Narrative
- RL Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

CLIENT: Roy F. Weston, Inc.

Lab Order: 0001188

Project: SA71- Devens

Lab ID: 0001188-06A

Date: 26-Jan-00

Client Sample ID: SA71-WC06

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

- * 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: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

Project: Lab ID: SA71- Devens 0001188-07A

CARL D---

Client Sample ID: SA71-WC07
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	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

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:

0001188-08A

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:

Project: Lab ID:

SA71- Devens

0001188

0001188-09A

Client Sample ID: SA71-WC09

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		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

Date: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

SA71- Devens

Project: Lab ID:

0001188-10A

Client Sample ID: SA71-WC10

Tag Number:

Collection Date: 12/14/99

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: REB
Antimony	17	7.9		mg/Kg-dry	1	12/23/99
ICP METALS, TCLP		SW6010B				Analyst: RK
Lead	0.42	0.25		mg/L	1	1/25/00 3:20:20 PM

^{* -} 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

- * 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: 26-Jan-00

CLIENT:

Roy F. Weston, Inc.

Lab Order:

0001188

SA71- Devens

Project: 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

^{* -} Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

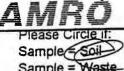
R - RPD outside accepted recovery limits

E - Value above quantitation range



SAMPLE RECEIPT CHECKLIST

Client under		AMRO	ID:		12133
Project Name: SAH - Devens		Date R	ec.:		-14-99
Ship via: (circle one) Fed Ex., UPS AMRO Courier		Date D	ue:	1	1-28-99
Hand Del., Other Courier, Other					
			Hall	-	
Items to be Checked Upon Receipt		Yes	No	NA	Comments
1. Army Samples received in individual plastic bags?				1	
2. Custody Seals present?				J	
3. Custody Seals Intact?			7 1 1	V	
4. Air Bill included in folder if received?				V	
5. Is COC included with samples?		VI			
6. Is COC signed and dated by client?		V			
	MP = 4°	1/	-		
	nples rec. with ice	/ ice c	acks \	neit	her
8. Were samples received the same day they were sa		V	-	- 1701	
Is client temperature < 6 degrees C?	ampios:	V			
If no obtain authorization from the client for the	e analyses			_	
Client authorization from: Date:	Obtained	bv-			
9. Is the COC filled out correctly and completely?	Ostallica	7,		1	
10. Does the info on the COC match the samples?		0	-		
11. Were samples rec. within holding time?		17			
12. Were all samples properly labeled?		1			
13. Were all samples properly reserved?		Y			
14. Were proper sample containers used?		V			
15. Were all samples received intact? (none broken or	leaking)	VI			1
16. Were VOA vials rec. with no air bubbles?	icanity)	-		. /	
17. Were the sample volumes sufficient for requested	analysis?	1		-	
Were all samples received?	analysis	1			
		0 1			
9. VPH and VOA Soils only:				-	
Sampling Method VPH (circle one): M=Methanol,					
Sampling Method VOA (circle one). M=Methanol	XSB=Sodium Bisuffa	ite, E=E	-nCore	, 8=81	1K
If M or SB:		-			
Does preservative cover the soil?					
If NO then client	Section of a section in a section in the section of				
Does preservation level come close to the fill line		V			
If NO then client	must be faxed.	_,			
Were vials provided by AMRO?		VI			
	ts MUST be obtaine	d from	ctient		
Was dry weight aliquot provided?		VI			
	ent and inform the \	/OA lai	ASA	.)	
Subcontracted Samples:				1	
What samples sent					
Where sent					
Date:					
Analysis:					
ITAT:					
1. Information entered into:			T		
Internal Tracking Log?		VI			
Dry Weight Log?		U			
1-7		V			
Client Log?			-	0	
Client Log?					
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CLIENT:

Roy F. Weston, Inc.

Work Order:

0001188

Project:

SA71- Devens

Date: 26-Jan-00

QC SUMMARY REPORT

Method Blank

Sample ID: MB-755	Batch ID: 755	Test Code:	SW6010B	Units: mg/Kg		Analysis	Date 12/2	3/99	Prep Da	ate: 12/21/99	
Client ID:		Run ID:	ICP-OPTIMA	_991223B		SeqNo:	1940:	3			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	4									

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	lest Code:	SW6010B	Units: mg/L		Analysis	Date 1/25/	00 1:28:24 PM	Prep Da	ate: 1/21/00	
Client ID:		Run ID:	ICP-OPTIMA	_000125A		SeqNo:	20014	1			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua

CLIENT:

Roy F. Weston, Inc.

Work Order:

0001188

Project:

SA71- Devens

QC SUMMARY REPORT

Date: 26-Jan-00

Sample Matrix Spike

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:	19566	i			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	502.3	5.2	516.5	0.9989	97.1	75	125	0			
Sample ID: 9912020-01AMSD	Batch ID: 755	Test Code:	SW6010B	Units: mg/Kg-dry		Analysis	Date 12/23	3/99	Prep Da	ate: 12/21/99	
Client ID:		Run ID:	ICP-OPTIMA	_991223B		SeqNo:	19567				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	541.9	5.6	557.3	0.9989	97.1	75	125	502.3	7.58	20	

Qualifiers:

ND - Not Detected at the Reporting Limit

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

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 D	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	•

R - RPD outside accepted recovery limits

CLIENT:

Roy F. Weston, Inc.

Work Order:

0001188

Project:

SA71- Devens

Date: 26-Jan-00

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 Da	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			

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

^{* -} Value exceeds Maximum Contaminant Level

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

CLIENT:

Roy F. Weston, Inc.

Work Order:

0001188

Project:

SA71- Devens

QC SUMMARY REPORT

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:	2001	5			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Lead	19.92	0.25	20	0	99.6	80	120	0			

AMRO Envire ... ental Laboratories Corporation
111 Herrick Street
Merrimack, N.H. 03054
Office: 603-424-2022 Fax: 603-429-8496

CHAIN OF CUSTODY RECORD

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APPENDIX D TRANSPORTATION AND DISPOSAL DOCUMENTATION



Transporter Log

CWM Chemical Services, Inc.

Model City, NY

69049

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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.

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

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	BUFFALD FUEL CORP	NYR000045	724		Transporter's Telep		00 67780
	7. Transporter 2 (Company Name)	8. US EPA ID Number			State Transporter's		
	Designated Facility Name and Site Address	10. US EPA ID Number	1-1-1-	-	ransporter's Telepi State Facility ID	hone ()
	CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107	N Y D O 4 9 8 3 6	679	100	Facility Telephone (8231	}
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	15. Special Handling Instructions and Additional Information CHEMIREC Emergency Response Number 171 ERG#171 SERVICE REQUEST#_565022-1	mber (800)424-93		4	ontract 32900	Ų.	
	16. GENERATOR'S CERTIFICATION: I hereby declare that i 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 p practicable and that I have selected the practicable method of treat health and the environment; OR if I am a small generator, I have ma me and that I can afford.	n proper condition for transport by hi lace to reduce the volume and toxicity tment, storage, or disposal currently a	ghway accor of waste gen vallable to me	erated to e which	applicable internation the degree I have d minimizes the preser	nal and r etermined at and fut	national government to be economical ure threat to hum
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Trans	porter Log
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) Model	City, NY
81832920	98291F NY
Receipt #	Trailer License Plate #

69068

56 Cubic Yards

	MODEL City,			
81330	1.920	98291F	NY	
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Actual Arrival	9-7-00 Date	Time in	Time Out	
Arrived durin	ng Blackout?	Y / N Not	ified DEC? Y /	N Receiving:
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Landfill				
	Time In	Time Out	Initials	Comments
Other				
	Time In	Time Out	Initials	Comments
Truck Wash				
3	Time In	Time Out	Signature (NO	2 Initials) Comments
Facility Pe	rsonnel (plea	ase initial)		
	Smoking o	or eating in prohibi	ted areas	Leaving truck unattended
	Fallure to	obey instructions	of facility personne	Fallure to display overweight flag
	Fallure to	wear appropriate f	PE	Improper tarping or detarpin
	Unsafe dri	ving practices		Overweight upon arrival
	Other (spe	ocify)		
		7.094		Security Guard Initials:
				(Indicating receipt of Wash Bay pass, if necessar

NYB9208197

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

lease type or print. Do not staple.

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

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST MARY	1 0 0 2 5 1 5 4 3	9.3.6.2		Information		heavy bold line Federal Law.
3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 01432 ATTN: J 4. Generator's Telephone 9 id not be recommended.	Or IM CHAMBERS	9317	A.	NYB92 Senerator's ID SAME STU		
5. Transporter 1 (Company Name)	6. US EPA ID Number	-0.11	U. 5	tate transponers	ID A	7507 150
Chaffalo Fuel Corp	NY 200004	51724	D. T	ransporter's Telep	hone (${f \delta}$	१०० । नेवड में अ
7. Transporter 2 (Company Name)	8. US EPA ID Number		E. S	tate Transporter's	ID	
		111		ransporter's Telept	none ()
Designated Facility Name and Site Address	10. US EPA ID Number		G. 5	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	6,6,7,9	H. F	acility Telephone ()
11. US DOT Description (Including Proper Shipping Name, Haza	A Transport of the street	12. Cont		13. Total Quantity	14.Unit	I. Waste No.
SEO HAZARDOUS VASTE SOLID I	N O S	TYGHIDGE	1,000	Gunsty	110101	5008
RQ, HAZARDOUS WASTE, SOLID, I 9,NA3077,III,(LEAD)						11.7.11.5/5/-
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1 • 1 1 d	4		ь		d	
5. Special Handling Instructions and Additional Information HEMTREC Emergency Response Nu RG#171 ERVICE REQUEST#_565022-2			8	153290		
6. GENERATOR'S CERTIFICATION: I hereby declare that classified, packed, marked and labeled, and are in all respects i regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in p practicable and that I have selected the practicable method of trea health and the environment; OR if I am a small generator, I have mame and that I can afford.	n proper condition for transport by had been been been been been been been bee	of waste general available to me	ding to a	the degree I have de minimizes the presen	nal and retermined and fut	ational government to be economically ure threat to human
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WESKY HAMMER	Signature	-11	H		P	Mo. Day Yea
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9. Discrepancy Indication Space actual Alcud 4	4860P					11111
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BILLEW CARTON	Signature all I	16	RI	De	0	40700

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STALE UP NEW YURK 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

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	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator	0 0 2 5 1 5 4 0	est Doc. No.	2. Pa	MINORITIAL	on within juired by	heavy bold line Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650 FORT DEVENS	MA 0143	2		A. B. G	NYB9 enerator's ID SA		
	4. Generator's Telephone Sunter 796-3 5. Transporter 1 (Company Name) Bufful p Fue Company Name) 7. Transporter 2 (Company Name)	704	6. US EPA ID Number	724	C. S	itate Transporter's ransporter's Telepitate Transporter's	10.292 hone (8	2768AM
	Designated Facility Name and Site Address		10. US EPA ID Number	111	F. T	ransporter's Telepl State Facility ID)
	CWM CHEMICAL SERVICES 1550 BALMER RD. MODEL CITY NY 14107	, L.L.C.	N,Y,D,O,4,9,8,3,6	6 ₁ 7 ₁ 9	H. F	acility Telephone (
	11. US DOT Description (Including Proper Shi	pping Name, Hazar	d Class and ID Number)	12. Cont Number		13. Total Quantity	14.Unit Wt/Vol	I. Waste No.
	*RQ, HAZARDOUS WASTE, 9,NA3077,III,(LEAD)	SOLID, N	.0.S,	001	T, O	644+E	P	5008 STATE
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GENER	C.							EPA STATE
	d.							EPA STATE
	J. Additional Descriptions for Materials listed A CR1000-LEAD CONTAMIN.			• 1	K. H	andling Codes for	Wastes I	Listed Above
	b	1 1 d			b		d	
	15. Special Handling Instructions and Addition CHEMTREC Emergency Res ERG#171 SERVICE REQUEST# 524	ponse Num	ber (800)424-93	300 WM	I C	ontract \$1533	148	sin =
	16. GENERATOR'S CERTIFICATION: It classified, packed, marked and labeled, and regulations and state laws and regulations. If I am a large quantity generator, I certify that I practicable and that I have selected the practic health and the environment; OR If I am a small me and that I can afford.	are in all respects in have a program in pla able method of treatm	proper condition for transport by hi ice to reduce the volume and toxicity nent, storage, or disposal currently a	of waste gen- valiable to me	ding to a	ascribed above by properties of the degree I have deminimizes the preservant	roper ship nal and n etermined nt and futi	ping name and are ational government to be economically are threat to human
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FACILITY	19. Discrepancy Indication Space Outtal Red 20. Facility Owner or Operator: Certification of	6240	100P	est excent a	s noted	in Item 19.	1	
FA	Printed/Typed Name Rechaus	Ju I	Signature By S	weh	Talled Ta	. 1	0	9 Day Year

COPY 1—Disposer State—Mailed by TSD Facility

Personal Property of the Party
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CWM	Chemical Services,	Inc.	03304	So yards	
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Overweight upon arrival

Unsafe driving practices

Other (specify)

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

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

	UNIFORM HAZARDOUS 1. Generator's US ER WASTE MANIFEST MARC 1 0 0	A	11est Doc. No.	2. Pa	inionnauc		heavy bold line Federal Law.
	Generator's Name and Mailing Address SARMY FORT DEVENS BLDG 1650	3 6"		A. B. C	NYB9		973
	4. Generator's Telephone 9176 er 796 – 3784				SAME SA		VOL II
	5. Transporter 1 (Company Name) US BULK TRANSPORT INC. PA	D 98 734	7516		state Transporter's ransporter's Telepi		SSICELY
		JS EPA ID Number	10115		state Transporter's		00.001.0
	Designated Facility Name and Site Address 10.		1-1-1		ransporter's Teleph	ione ()
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	11. US DOT Description (Including Proper Shipping Name, Hazard Class		12. Conta		13. Total Quantity	14.Unit Wt/Vol	I. Waste No.
	aRQ, HAZARDOUS WASTE, SOLID, N.O.S 9,NA3077,III,(LEAD)	5.			Estrate		5 008
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	J. Additional Descriptions for Materials listed Above CR1000-LEAD CONTAMINATED SOIL b 15. Special Handling Instructions and Additional Information	10	• 1	a	andling Codes for \	c d	
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	16. GENERATOR'S CERTIFICATION: I hereby declare that the content classified, packed, marked and labeled, and are in all respects in proper or regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to recpracticable and that I have selected the practicable method of treatment, store health and the environment; OR if I am a small generator, I have made a good me and that I can afford.	condition for transport by fuce the volume and toxici rage, or disposal currently	highway accord ty of waste gene available to me	rated to which	applicable internation the degree I have de minimizes the presen	al and notemined	to be economically ire threat to human
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TRANSPORTER	KEVIN HICKS	The state of the s	Hill	3		.0	10. Day Yea
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È	19. Discrepancy Indication Space Outtal Recd 65/609		J. S. 11	2			
FACILITY	20. Facility Owner or Operator: Certification of receipt of hazardous materi	als covered by this mar	nifest except as	noted	in Item 19.		
	Rynn Piechowski sig	nature Syn	Ruch	lor	ulhi	1	9116
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NYB9396027

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

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HAZARDOUS WASTE MANIFEST

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· UNIFORM HAZARDOUS WASTE MANIFEST	1. Generators M A 7 2 1	0 0 12 15 11 15 14 0	nifest Doc. No.		I moman	on within juired by	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 97-6-37	MA 0143	2			senerator's ID S	THIT A	fret 71
5. Transportent (Company Name) BHA/E Fuel CORP		6. US EPA ID Number	5724	_	tate Transporter's ransporter's Telep		
7. Transporter 2 (Company Name)		8. US EPA ID Number	317-17	E, S	tate Transporter's	ID	10 0 1 JIW
Designated Facility Name and Site Address		10. US EPA ID Number			ransporter's Telep state Facility ID	hone (
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11. US DOT Description (Including Proper Shipp	ing Name, Hazard	Class and ID Number)	12. Cont Number	-	13. Total Quantity	14.Unit Wt/Vol	I. Waste No.
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J. Additional Descriptions for Materials listed Abo				K. H	andling Codes for	Wastes I	Listed Above
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b J • 15. Special Handling Instructions and Additional	Information		•	ь	I Vov	I a	
CHEMTREC Emergency Resp	onse Num 17 <i>8 -3</i>	ber (800)424-9 ——	9300 WM	I Co	ontract 81533	147	7
16. GENERATOR'S CERTIFICATION: I her classified, packed, marked and labeled, and are regulations and state laws and regulations. If I am a large quantity generator, I certify that I hap practicable and that I have selected the practicable health and the environment; OR if I am a small get me and that I can afford.	in all respects in we a program in place le method of treatm	proper condition for transport by ce to reduce the volume and toxici ent, storage, or disposal currently	highway accordity of waste general available to me	rated to which	applicable internation the degree I have distribution	nal and retermined	national governmen d to be economically ure threat to human
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KANDAII	WARD	Kyno	all	4	and)	0	9110
 Transporter 2 Acknowledgement of Receipt or Printed/Typed Name 	f Materials	Signature		-		-,	Mo. Day Ye.
						40	
19. Discrepancy Indication Space Octual Recal	62124	of					
20. Facility Owner or Operator: Certification of rec	ceipt of hazardous	1 / 1	nifest except as	noted	in Item 19.		Usa New V
Printed/Typed Name	1.	Signature	Vient	10	11/2.	1	19 99 8

TRANSPORTER

FACILITY

WASTI MANAGIMENT	Transpor CWM Cher Model City,	nical Services, I	inc.	69301	Cubic Yards
8/53 Receipt # 52478- Service Reg. #	3151 4 (R)0 Profile	00 9	Plate # and State	W/	16:29 88820 LB 6 2 09/11/00
Transporter Na So M Driver's Name	M(Cowel	Tracto Genera	N	Sit Obvens	33900 LB & 1 18:54 09/11/00 5 4920P
Scheduled A	Date	Time	Time Out		.) 11001
Arrived during	ng Blackout?		fied DEC? Y /	N F	bins
Leaker	Permit Viola		earding/Veh. I.D. V		Initials Comments
Other (spe	city			_	
Bulk to Lar	Time In	wet line Fi	Initials	Comments	ums Tanker Transformers
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>N</u> O) Initials)	Comments
Facility Per	rsonnel (plea	se initial)			
	Smoking or	eating in prohibite	d areas		Leaving truck unattended
	Failure to o	bey instructions of	facility personne		Fallure to display overweight flag
	Failure to v	ear appropriate PF	E		Improper tarping or detarpin
	Uneafe driv	ing practices			Overweight upon arrival

Other (specify)

илвазарозр

DIAIE UT IVEW TURK 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

TRANSPORTER

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

WASTE MANIFEST M	. Generator's US EPA No. Man	ilest Doc. No.		Information		heavy bold line Federal Law.
3. Generator's Name and Malling Address US ARMY FORT DEVENS			A.	NYB9		
BLDG 1650 FORT DEVENS M 4. Generator's Telephone 9 (746) er 796 – 3784	A 01432		100000	SAME	to 67	Area 71
5. Transporter 1 (Company Name) Buffel Fue (SP	6. US EPA ID Number	5724		itate Transporter's ransporter's Telep		
7. Transporter 2 (Company Name)	8. US EPA ID Number		_	tate Transporter's		
Designated Facility Name and Site Address	10. US EPA ID Number	1.1.1		ransporter's Teleph State Facility ID	none ()
CWM CHEMICAL SERVICES, L 1550 BALMER RD. MODEL CITY NY 14107	.L.C.	6 6 7 9	Н. Е	Facility Telephone ()
11. US DOT Description (Including Proper Shipping		12. Cont Number		13. Total Quantity	14.Unit	I. Waste No.
aRQ, HAZARDOUS WASTE, SO. 9,NA3077,III,(LEAD)	LID, N.O.S,			Esharte		Бов
1 - 7 - 3 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		001	DI	4,4,0,0,0	P	STATE
b.						EPA STATE
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S.						STATE
d.		11	1	1-1-1-1		EPA
						STATE
J. Additional Descriptions for Materials listed Above		111	KH	andling Codes for	Maetas	ieted Ahove
a CR1000-LEAD CONTAMINATE	D SQIL	• 1	a	T	c	
b 1 • 1					4	
15. Special Handling Instructions and Additional Info	mation		1.0		1 4	
CHEMTREC Emergency Respon ERG#171 SERVICE REQUEST#	se Number (800)424-9	300 WM		ontract 153315	7	
16. GENERATOR'S CERTIFICATION: I hereby 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 a practicable and that I have selected the practicable in health and the environment; OR if I am a small genera me and that I can afford.	all respects in proper condition for transport by a program in place to reduce the volume and toxicil tethod of treatment, storage, or disposal currently	ty of waste gen available to me	ding to erated to e which	applicable internation the degree I have d minimizes the preser	nal and re etermined at and fut	national government d to be economically ure threat to human
GAIL F. MILLER	Signal 4 M	eller	ز	1	1	29 J. J. A.
17. Transporter 1 Acknowledgement of Receipt of M.	aterials Signature	1	1,	1		Mo. Day Yea
Som McGoull	Jan Me	la	W			59.1.1.0
 Transporter 2 Acknowledgement of Receipt of M. Printed/Typed Name 	aterials Signature				1,	Mo. Day Yea
19. Discrepancy Indication Space	1 1 1 1		_	-	- 1	
Λ	920P					
20. Facility Owner or Operatory Certification of receipt	ot of hazardous materials covered by this man	nifest except a	s noted	in Item 19.		- 3-2
Printed/Typed Name	Signature	unh	n	Al.	,	Mo Day Yes

	Transporter Log
WASTE MANAGEMENT	CWM Chemical Services, inc.
	Model City, NY
91533	146 207/77
Receipt #	Trailer License Plate

69296

46 4d Cubic Yards

01533	146	202/2	74 NY	•	16:01 93380 LE 6 2
Receipt # 5247	8-/ CF 10	0.4	Plate # and State 545		09/11/00 32280 LB 6 1
Transporter Na.	BFC ED KUNI	4/4 US		ORT DEVENS	18:42 09/11 /0 0
Scheduled A	rrival:	Genera	ior į		611001
Actual Arrival	Date :	Time		<u></u>	
	Date	Time In	Time Out		. 12
Arrived durin	ng Blackout? Y		fied DEC? Y /	Recei	ring:
Other (spec	city		The same of	-	
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acility Pe	rsonnel (pleas	se initial)			
		eating in prohibite			Leaving truck unattended Fallure to display overweight flag
		ear appropriate Pi			Improper tarping or detarpin
		ing practices	Ī.		Overweight upon arrival
	Other (spec				
				Securi	ty Guard Initials:
				(Indicat	ing receipt of Wash Bay pass, if necessary)

N1RA3APN'42

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS



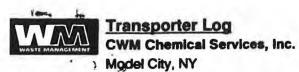
Please type or print. Do not staple.

III Case or enjectgeting or spull intrinsulatery can trie ivational Hesponse Ceriter (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

TRANSPORTER

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

1	UNIFURIN NAZANDOUS	PS US EPA No. Manife	2319	2. Pa	Informati		heavy bold line Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650			A.	NYB9		
	FORT DEVENS MA 0143 4. Generator's Telephone 976-3784	32		В. С	SAME	udy i	Area 71
	5. Transporter 1 (Company Name) BUFFAID FUEL CORP 7. Transporter 2 (Company Name)	6. US EPA ID Number	724	D. 1	State Transporter's Fransporter's Telep State Transporter's	hone (8	
			1) 1	_	ransporter's Telepi)
	Designated Facility Name and Site Address	10. US EPA ID Number		G. 5	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	Н. Е	Facility Telephone (
	11. US DOT Description (Including Proper Shipping Name, Hazar	V-17-27-17-17-17-17-17-17-17-17-17-17-17-17-17	12. Cont Number		13. Total Quantity	14.Unit	I. Waste No.
	aRQ, HAZARDOUS WASTE, SOLID, N 9,NA3077,III,(LEAD)	1.0.5,			BHANE		50008
	9, NA30//, 111, (LEAD)		001	T, C	4,4,00,0	P	STATE
b	b.						EPA
ATOR			000	2	1.000		STATE
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'n	d.			+			EPA
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	J. Additional Descriptions for Materials listed Above		LII	K.H	landling Codes for	Vastes I	isted Above
	CR1000-LEAD CONTAMINATED SOIL			a	T	1 c	
	U.	***					
	b • d	- 1	• 1	b		d	
	15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number 171 ERG#171 SERVICE REQUEST# 52476-/	mber (800)424-93	00 WM		ontract 7533/4	6	
4.5	16. 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 ply practicable and that I have selected the practicable method of treatment and the environment; OR if I am a small generator, I have made.	ace to reduce the volume and toxicity of ment, storage, or disposal currently av	ghway according to make to me	ding to erated to which	applicable internation the degree I have d minimizes the preser	etermined at and fut	ational government to be economically ure threat to human
W	me and that I can afford. Pripted/Typed Name	Signatur O_U Vo	11				No. Day Year
	17. Transporter 1 Acknowledgement of Receipt of Materials	Hay A III	Mu	<u>ں</u>			9.14.00
TRANSPORTER	Printed Tyled Name L. KUNATT	Signerture Way!	0	lu	sult	. 0	19/1/08
TRAN	Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature					no. Day Yea
H	19. Discrepancy Indication Space	1		-		1_	
È	Octual Beed 611001						10
FACILITY	20. Facility Owner or Operator. Certification of receipt of hazardor.		stexcept a	s noted	d in Item 19.		GA Paul II
	Hynn Kechowski	Signature	Lee	ch	owsk	0	9.7100
	COPY 1—Dispos	er State-Mailed by TSD	Facility	,	y 100		ge way



69303

(Indicating receipt of Wash Bay pass, if necessary)

105960 LB 6 2 16:35

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ervice Req.		100U Per	mit #	
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	Date	Time		
tual Arrival	Date	Time In	Time Out	-
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rrivea aurii	ng Blackout?	Y/N NO	tified DEC? Y /	Receiving:
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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 splil 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

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	C

WASTE MANIFEST	Acceptance of the control of the con	23,2,2	2. Pa			heavy bold line Federal Law.
Generator's Name and Mailing Address Second Secon			A.	NYB9	396	054
BLDG 1650 FORT DEVENS 4. Generator's Telephone of the Prince of the Prin	432			SAME S	wy A	4et 71
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US BULL TRANSPORT IN		1515	D. T	ransporter's Telep	hone 🔗	14 839
7. Transporter 2 (Company Name)	8. US EPA ID Number		_	tate Transporter's		
10%	سيبيب			ransporter's Telepi	none ()
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C 1550 BALMER RD.	10. US EPA ID Number			tate Facility ID)
MODEL CITY NY 14107	N Y D 0 4 9 8 3 6	6 7 9		716 754-	8231	
11. US DOT Description (Including Proper Shipping Name, He	No. of Contract Contr	12. Conta		13. Total Quantity	14.Unit	I. Waste No.
and HAZADDONG MASTE SOLID	NOS		D W	Estrute		B ô08
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J. Additional Descriptions for Materials listed Above			K. H	andling Codes for	Wastes I	isted Above
a CR1000-LEAD CONTAMINATED SO	IL	• 1	а	T	c	
		2 0				
15 Special Handling Instructions and Additional Information		•	D	و لخط	10	
CHEMTREC Emergency Response N ERG#171 SERVICE REQUEST#		300 WM		ontract 533/63	,	- 41
16. GENERATOR'S CERTIFICATION: I hereby declare the classified, packed, marked and labeled, and are in all respect regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program is practicable and that I have selected the practicable method of the health and the environment; OR if I am a small generator, I have me and that I can afford.	is in proper condition for transport by in place to reduce the volume and toxicity reatment, storage, or disposal currently in	of waste general	rated to which	applicable internation factories in the degree I have desired the preservation in the	etermined and fut	ational government to be economical ure threat to huma
Priorped/Typed Name GAIL F. MILLER	Signal William M	Mer)	haj Ka	, 2	09 1 1 0
17. Transporter 1 Acknowledgement of Receipt of Materials				7		
Printed Typed Name	Signeture	Sto Sto	-	en e	,c	No. Day Ye
18. Transporter 2 Acknowledgement of Receipt of Materials	Tau					
Printed/Typed Name	Signature					Mo. Day Ye
19. Discrepancy Indication Space Octual Reco 69560	P					
20. Facility Owner or Operator. Certification of receipt of hazar	dous materials covered by his mani	fest except as	noted	in Item 19.		
Printed Typed Name Piechowski	Signature Hum	Kee	ch	owshi	1	217.00
	V / /					

COPY 1-Disposer State-Mailed by TSD Facility



Transporter Log

CWM Chemical Services, Inc.

Model City, NY

69302

Cubic Yards

106300 LB 6 2

16:32

(Indicating receipt of Wash Bay pass, if necessary)

Receipt #				10		
1 1100	er en	Trailer License	Plate # and State			
Service Reg. #	6 Profile		nit # 141			
USRI	A for	7 .	7 3/7/	7		34640 LB 6 1
Transporter Na	me?	Tracto	r/Trajler/Roll-off #	115	19123	
14.	1		Among	120 112A	14.23 14.13 09/11/	00 f
Driver's Name		Genera	ntor (-	716601
Scheduled A						11
Actual Arrival	Date .	Time	7			
icidal Allival	Date	Time In	Time Out	_		
					1	
Arrived durir	ng Blackout?	Y / N Noti	ified DEC? Y /	Red	ceiving:	
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NYB9396063

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS



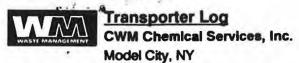
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In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

TRANSPORTER

HAZARDOUS WASTE MANIFEST

se type or print. Do not staple.		t 12020, Albany, New 1			4.54.70	(1-1-62	rardous Waste Manifest 4/9
UNIFORM HAZARDOUS WASTE MANIFEST		O 0 2 5 1 5 14 01	est Doc. No.		Innomau		heavy bold line Federal Law.
3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650				Α.	NYB9		
FORT DEVENS 4. Generator's Telephone 978er 796-3	MA 0143	12			SAME 3	tudy	W == (1
5. Transporter 1 (Company Name) US BULK TransPor	A. Santa	6. US EPA ID Number PA D 9 87 3 9 1	2515		itate Transporter's ransporter's Telepi		
7. Transporter 2 (Company Name)		8. US EPA ID Number			tate Transporter's		
Designated Facility Name and Site Address	e .	10. US EPA ID Number	111	A Committee of the Comm	ransporter's Teleph State Facility ID	попе ()
CWM CHEMICAL SERVICES 1550 BALMER RD.			1000		acility Telephone ()
MODEL CITY NY 14107		N,Y,D,0,4,9,8,3,6			716 754-	14.Unit	
11. US DOT Description (Including Proper Sh	nipping Name, Haza	rd Class and ID Number)	12. Con Number		Quantity	Wt/Vol	I. Wasle No.
a.RO. HAZARDOUS WASTE.	SOLID. I	1.0.S.		1	Estimite		₩ 008
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b.			PNI	D JA	0 1101-1		EPA
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J. Additional Descriptions for Materials listed CR1000-LEAD CONTAMIN				K. H	andling Codes for	Wastes I	Listed Above
	4 4 -	-					П
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16. GENERATOR'S CERTIFICATION: classified, packed, marked and labeled, and regulations and state laws and regulations. If I am a large quantity generator, I certify that	hereby declare that are in all respects in	the contents of this consignment are n proper condition for transport by h	fully and accuracy according to the second s	arately di	153315 escribed above by be applicable internation to the degree I have d	oper ship nal and r	national government of to be economically
practicable and that I have selected the pract health and the environment; OR if I am a smal me and that I can afford.						ent metho	d that is available to
GAIL F. MILLER		Wail & M.	llu	1			0.9.11.00
 Transporter 1 Acknowledgement of Received/Typed Name 	ipt of Materials	Signature	2				Mo. Day Yea
Ennu Smith	iot of Materials	Emila	mot			Ø	
Printed/Typed Name		Signature					Mo. Day Yea
19. Discrepancy Indication Space	71660	P	27		non Jest		
20. Facility Owner or Operator: Certification of		us materials covered by this man	except	s noted	in Item 19.		Ya Day Xa
MAAGE VIACLAIN	V.	77.	IVATA	1771	1 41	/	17 11 116



Driver's Comments

69305

102420 LB 6 2

7.	1			1/711
81533	3155	64133	NNY	09/11/00
Receipt #	1 -00		Plate # and State	
Service Reg. W	Profile 4		nit #	
15 F. /	1 Transm	1 in 36%	3694	34480 LB 5 1
Transporter Na	me	Tract	or/Trailer/Roll-off#	20176
Driver's Name		U ≤ ri Gener	PANY Front	During
	Acces.	Gener	ator ().	09/11/00 679401
Scheduled A	rrival:	Time		0,,,,,,
Actual Arrival		1/11/10		
	Date	Time In	Time Out	
Arrived durin	g Blackout? Y	/ N Not	ified DEC? Y /	N 60
				Receiving: 1/8
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	Fallura to w	sar appropriate Pi	DF .	Improper tarping or detarpin
		oer appropriate F	-	mily oper tarbing or determin
	Unsafe drivi	ng practices		Overweight upon arrival
	<u> </u>			
-	Other (spec	пу)		
				Consider Consideration
				Security Guard Initials:(Indicating receipt of Wash Bay pass, if necessary)

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

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	- UNIFURINI NAZARDOUS		0324	2. Pa			heavy bold line Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650 FORT DEVENS MA 0143	12		А.	NYB9		A
	4. Generator's Telephone 976 er 796 - 3784			SAME >1	المحار	dren 71	
	5. Transporter 1 (Company Name)	_	State Transporter's	_	04/35NN		
	U.S. Bulk Transport INC	8. US EPA ID Number	7515		ransporter's Telepi		93 657-84
	7. Transporter 2 (Company Name)	E. State Transporter's ID					
H	Designated Facility Name and Site Address	10. US EPA ID Number	111		ransporter's Teleph State Facility ID	none (
	CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD.	N Y D O 4 9 8 3	6670		Facility Telephone (
В	MODEL CITY NY 14107	ו כן טן פן דין טן טן זין און	12. Conta	inere	13. Total	14.Unit	
	11. US DOT Description (Including Proper Shipping Name, Hazar	rd Class and ID Number)	Number		Quantity	Wt/Vol	I. Waste No.
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	arq, HAZARDOUS WASTE, SOLID, N 9,NA3077,III,(LEAD)	1.0.5,			Eshmate		
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	J. Additional Descriptions for Materials listed Above			V 11	andling Codes for N	Mantagi	lated Above
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	15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Nur ERG#171	nber (800)424-9	300 WM	C	ontract		
	SERVICE REQUEST# 52478-7	_	815	331	55		
	 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. 	he contents of this consignment are proper condition for transport by	fully and accur highway accord	ately di	escribed above by pr applicable internation	oper ship al and n	ping name and are ational governmen
	If I am a large quantity generator, I certify that I have a program in pl practicable and that I have selected the practicable method of treat health and the environment; OR if I am a small generator, I have ma me and that I can afford.	ment, storage, or disposal currently	available to me	which	minimizes the presen	t and futi	ire threat to humar
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Н	Kynn Rechowski	Signature	uch	TU.	Ahe	0	7.1.1.0
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COPY 1-Disposer State-Mailed by TSD Facility



Transporter Log CWM Chemical Services, Inc.

Model City, NY

69392

Cubic Yards

Security Guard Initials:

(Indicating receipt of Wash Bay pass, if necessary)

16:15

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KANOY	LLARD		FORT DEL	19:43
Driver's Name		Genera	tor	09/12/00 70140-F
Scheduled A	rrival:			09/12/00 70140+
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	Date	Time In	Time Out	
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NYB9208188 -

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

Hazardous Wasta Manifest

SHEET HOSE

	- WASTE MANIFEST MA 7 2	1002515400	1332				Federal Law.			
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS		200	A.	NYB92	208	188			
	BLDG 1650 FORT DEVENS MA 01432 ATTN: J 4. Generator's Telephone 9778ber 796-3784	IM CHAMBERS		B. Generator's ID Study Arch 7						
	5. Transporter 1 (Company Name)	6. US EPA ID Number N.Y. LODO 0 45724			C. State Transporter's ID 99464-F- D. Transporter's Telephone					
	Buttale Fuel CORP									
	7. Transporter 2 (Company Name)	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Telephone ()						
	Designated Facility Name and Site Address	10. US EPA ID Number	1 1 1	G. State Facility ID						
	CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107	6 7 9	H. Facility Telephone () 716 754 – 8231							
	11. US DOT Description (Including Proper Shipping Name, Haz		12. Cont		13. Total Quantity	14.Unit Wt/Vol	I. Waste No.			
	aRQ, HAZARDOUS WASTE, SOLID, 9,NA3077,III,(LEAD)	N.O.S,		7,6-5	Strate	1	₩608			
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	d.						EPA			
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	J. Additional Descriptions for Materials listed Above CP1001 - LEAD SOIL	K. Handling Codes for Wastes Listed Above								
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		1.								
	15. Special Handling Instructions and Additional Information		•	1 0		0				
	15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800)424-9300 WMI Contract RG#171 ERVICE REQUEST# 565460-5 81533242									
	16. GENERATOR'S CERTIFICATION: I hereby declare that	t the contents of this consignment are fo	illy and accu	rately de	escribed above by pr	oper ship	ping name and a			
	classified, packed, marked and labeled, and are in all respects regulations and state laws and regulations.	In proper condition for transport by hig	phway accor	ding to	applicable Internation	al and n	ational governmen			
	If I am a large quantity generator, I certify that I have a program in practicable and that I have selected the practicable method of tre health and the environment; OR if I am a small generator, I have π me and that I can afford.	atment, storage, or disposal currently av	allable to me	which	minimizes the presen	t and futi	ure threat to huma			
	Printed/Typed Name	Signature	101.	1		,	Mo. Day Ye			
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ANSI	18. Transporter 2 Acknowledgement of Receipt of Materials	To the second								
F	Printed/Typed Name	Signature					Mo. Day Ye			
	19. Discrepancy Indication Space Outual Recal 70140	ρ								
ACILITY	20. Facility Owner or Operator. Certification of receipt of hazard		st except a	s noted	in Item 19					
F	Printed yped Name	Signature /	7	-18	. 1.	-63	Mo. Day Y			
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VAVAVA	Transporter Log CWM Chemical Services, inc.
WASTE MANAGEMENT	
L.	Model City NY

Driver's Comments

69383

Cubic Yards

rvice Req. M FC nsporter Na FAL ver's Name	444	Trailer License	or/Trailer/Roll-off	13:47 85760 LB 6 2 09/12/00 33560 LB 6 1
eduled A al Arrival	Date	Time In	7 Time Out	19:02 09/12/00 5 7 2 00 P
ved durin Leaker Other (spe	ng Blackout?	Y / N Not	ified DEC? Y /	N Receiving:
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Please type or print. Do not staple.

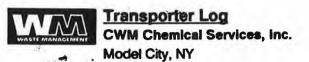
In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

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



3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650 MA 7 2 1 0 0 2 5 1 5 4 0 0 3 2 // 1 is not re	395 Study s ID 25	Area 71 2868/HN
US ARMY FORT DEVENS BLDG 1650 FORT DEVENS 4. Generator's Telephone Number 796-3784 SAME Transporter 1 (Company Name) 7. Transporter 2 (Company Name) 8. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. H. Facility Telephone	s ID 7	Area 71 2868/HN
7. Transporter 2 (Company Name) 9. Designated Facility Name and Site Address C. State Transporter's Telegonal Process Company Name and Site Address Output phone		
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. 10. US EPA ID Number G. State Facility ID H. Facility Telephone	phone (0677810
		}
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) 12. Containers 13. Total	14.Unit	1000
arq, HAZARDOUS WASTE, SOLID, N.O.S, 9, NA3077, III, (LEAD) POIDT 44,000	n	I. Waste No.
b.		EPA STATE
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d. 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EPA STATE
J. Additional Descriptions for Materials listed Above CR1000-LEAD CONTAMINATED SOIL b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800)424-9300 WMI Contract	c d	Listed Above
SERVICE REQUEST# 52478-9 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable internation 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 practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the presented 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 and that I can afford. Printed/Typed Name Signature Signature	proper ship ional and r determined ent and fut ment metho	national government d to be economically ture threat to human
17. Transporter 1 Acknowledge and Traceipt of Materials Print of Vyped Name 18. Transporter 2 Acknowledge and Hold Receipt of Materials		991101
Printed/Typed Name Signature 19. Discrepancy Indication Space		Mo. Day Yes
1 (5) 50 50	mI	2008
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		



69391

Cubic Yards

90980 LB 6 2

(Indicating receipt of Wash Bay pass, if necessary)

01) 1	24/	61-1176	n n u		16:12
Receipt #		Trailer License	Plate # and State		09/12/00
65460			21545		
Bervice Req. #	Care Core	Perm	11-11/4		
Transporter Na	me	Tracto	or/Trailer/Roll-off #		32500 LB 6 1
Driver's Name	E Fins	Genera	Army For	Leuns	19:40
	rriu ale	Genera	1107		09/12/00 00 00
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	Date	Time In	Time Out		-
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NYB9395982

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

1. Generator's US EPA No.

DIVISION OF SOLID & HAZARDOUS MATERIALS

Please type or print. Do not staple.

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

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	3. Generator's Name and Malling Address US ARMY FORT DEVENS			A.	NYB9	395	5982		
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hii	5 Transporter (Company Jame) 6. US EPA ID Number NY, ROOOS YS				State Transporter's				
				D. Transporter's Telephone (\$100)677 900					
	7. Transporter 2 (Company Name)	8. US EPA ID Number		E. 5	State Transporter's	D			
		F. Transporter's Telephone ()							
П	9. Designated Facility Name and Site Address	G. :	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			H. Facility Telephone () 716 754-8231					
	HOBEE CITE N. 1.120	1 2 2 2 . 2 3	12. Cont	sinore	13. Total	14.Unit			
	11. US DOT Description (Including Proper Shipping Name, Haza	ard Class and ID Number)			0.2	Wt/Vol	I. Waste No.		
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	a CR1000-LEAD CONTAMINATED SOIL b 15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800)424-9300 WMI Contract								
	SERVICE REQUEST# 565460-2 81533241								
	16. GENERATOR'S CERTIFICATION: I hereby declare that classified, packed, marked and labeled, and are in all respects i regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in p practicable and that I have selected the practicable method of treathealth and the environment; OR if I am a small generator, I have marked that I can afford.	in proper condition for transport by halace to reduce the volume and toxicity traent, storage, or disposal currently a	of waste general	ding to erated to which	applicable Internation the degree I have d minimizes the preser	eterminent and fut and fut ant metho	d to be economical ture threat to huma d that is available t		
	GALLER. MILLER	Signature	Mil	le	ب	, (29.12.0		
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8	18. Transporter 2 Acknowledgement of Receipt of Materials								
Ê	Printed/Typed Name	Signature				1	Mo. Day Ye		
	- C	, //-				1	1 1 1 1		
1	19. Discrepancy Indication Space			*					
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- 34	Model City	, NY			97680 15159	LB 6 2
81.5	332-38	18	14131424			
Receipt # 5	65460-1	Trailer License	Plate # and State		09/12/00	
Service Reg.		1 000 Per	7A5-17			
BFC		6	891.68307	14	77	5820 LB 6 1
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Driver's Name	in Hem	Genera	S Agmi	4	09/12/10-	- 0
Scheduled A	rrival:	9			/	63860F
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Arrived durii	ng Blackout?	Y/N Not	ified DEC? Y /	'N R	eceiving:	
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aboratory Stabilization andfill Other	Time In Time In Time In Time In Smoking	Time Out Time Out Time Out Time Out	Initials Initials Initials Signature (NC	Comments Gross Wt. Comments Comments	Comments	sled

Overweight upon arrival

Driver's Comments

Unsafe driving practices

Other (specify)

NYB9395991

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS

Please type or prin

HAZARDOUS WASTE MANIFEST

ase type or print. Do not staple. P.O. Box	k 12820, Albany, New Yo	rk 1221	2		(Haz	zardous Waste Marifest 4/
I IINIECIENCE PAZARIII IIIS	rs US EPA No. Manife	1329	2. Pa	HIIOHIIIA	on within uired by	heavy bold line Federal Law.
US ARMY FORT DEVENS BLDG 1650 FORT DEVENS 4. Generator's Telephone % (766)er 796-3784	02			NYB9	uty A	991 ~ 71
5. Transporter 1 (Company Name)	6. US EPA ID Number			tate Transporter's		814342
7. Transporter 2 (Company Name)	B. US EPA ID Number	1124		ransporter's Telepi tate Transporter's		00/67784
7. Hansporter 2 (company Name)	G. GO El Alo Nambol		-	ransporter's Teleph)
Designated Facility Name and Site Address	10. US EPA ID Number			state Facility ID		
CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD.		3.276	Н. Р	acility Telephone ()
MODEL CITY NY 14107	N Y D O 4 9 8 3 6		iles and	716 754- 13. Total	14.Unit	
11. US DOT Description (Including Proper Shipping Name, Haza	rd Class and ID Number)	12. Conta		Quantity	WWol	I. Waste No.
aRQ, HAZARDOUS WASTE, SOLID, M 9,NA3077,III,(LEAD)	1.0.S,	Number	Туре	Ethute	VV0 VOI	Боов
9, NA3077, 111, (LEAD)		001	от	4,4,0,0,0	P	STATE
b.						EPA
				0.71		STATE
		11	1	1111		
C.			1			EPA
		7.5		2 2 2 2		STATE
d.			,		-31	EPA
						STATE
		3.1		1111		STATE
J. Additional Descriptions for Materials listed Above			K. H	andling Codes for	Wastes I	Listed Above
a CR1000-LEAD CONTAMINATED SOIL		• 1	a	T	C	
b • d	_ 1	• 1	b		d	
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Num ERG#171 SERVICE REQUEST#	mber (800)424-93	00 WM		ontract 15332	38	
16. GENERATOR'S CERTIFICATION: I hereby declare that it classified, packed, marked and labeled, and are in all respects it regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in p practicable and that I have selected the practicable method of treat health and the environment; OR if I am a small generator, I have ma me and that I can afford.	n proper condition for transport by his lace to reduce the volume and toxicity of ment, storage, or disposal currently av	ghway accord of waste gene valiable to me	rated to	the degree I have deminimizes the preserve	nal and research	ational government to be economically ure threat to human
19 ALL F. MILLER	sightly W	ulle	0		i	19.12.00
17. Transporter 1 Acknowledgement of Receipt of Materials						7
KEVIN M. HENRY	Signature	1	_	1	0	Mo. Day Yes 79.1.2.0
18. Transporter 2 Acknowledgement of Receipt of Materials	Ton Course		-1			
Printed/Typed Name	Signature -		(Mo. Day Yes
19. Discrepancy Indication Space Octual Revision 638608) •					
20. Facility Owner or Operator: Certification of receipt of hazardo	us materials covered by this manife	est except a	s noted	in Item 19.	- E v	e
Printed/Typed Name Piechow SKI	Signature hum Wi	echo	w	shi	0	9/200

TRANSPORTER

FACILITY

GENERATOR C.

The state of the s

NAVA	Transpor	ter Log		69389	46	
MANAGIMINT		nical Services,	inc.	A TANK SHAPE	Cubic Yards	Manager and the second
	. Model City,	NY			16:01	94720 LB 6 2
153	3239	207/77	A		09/12/	00
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	BFC	6	846 609	OH		31900 LB 6 1
nsporter Na	100 1	NAIL US	ADIKU FOR	ET DEVENS	19117	P
er's Name	1	Genera		+ 111	09/12/	00 62890P
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ual Arrival	Date .	Time	3			
ai Airivai	Date	Time In	Time Out			
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					ceiving: Milials	Comments
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Other (spe	cify					30
Bulk to Lan	ndfill No	wet line F	atbed Sta	bilization Dru	ımş Tanker	Transformers
oratory	Time In	Time Out	Initials	Comments		
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ility Per	rsonnel (plea	se initial)				
	7.77	V.2005				
	Smoking or	reating in prohibite	ed areas	_	Leaving tru	ck unattended
	Failure to o	bey instructions of	facility personnel		Fallure to d	isplay overweight flag
	Fallure to w	veer appropriate Pi	PE	-	Improper to	arping or detarpin
	Unsafe driv	ing practices			Overweigh	upon arrival
	Unsafe driv	4.5		-	Overweigh	t upon arrival

(Indicating receipt of Wash Bay pass, if necessary)

NYB9396009

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



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

Ple	ase type or print. Do not staple.		RDOUS WAST 12820, Albany, I					(Haz	CW perdoue Waste Manifest 4/5
	UNIFORM HAZARDOUS 'WASTE MANIFEST	1. Generator	's US EPA No.	Manifest	Doc, No.	2. Pa	Information		heavy bold line Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650 FORT DEVENS	MA 0143				A. B. G	NYB9		
	Generator's Telephone 97-6 er 796-37 Transporter 1 (Company Name)	704	6. US EPA ID Numi	ber			SAME state Transporter's	ID2A	7/7744.4
U	BUFFALD FUEL COL	AS	N4 R.000	045	724	D. T	ransporter's Telep	hone 🕡	00 ×77-800
1	7. Transporter 2 (Company Name)		8. US EPA ID Numb	ber	1	_	tate Transporter's		
N,	Designated Facility Name and Site Address		10. US EPA ID Num	nber			ransporter's Telepi State Facility ID	none (
	CWM CHEMICAL SERVICES, 1550 BALMER RD. MODEL CITY NY 14107	, L.L.C.	N,Y,D,O,4,9,	8 ,3 ,6 ,6	7,9	Н. F	facility Telephone (
	11. US DOT Description (Including Proper Ship	oping Name, Hazar	d Class and ID Number)		12. Cont		13. Total Quantity	14.Unit	I. Waste No.
	aRQ, HAZARDOUS WASTE, 9,NA3077,III,(LEAD)	SOLID, N	1.0.5,				Estimate		5 5008
	9, NA3077, III, (LEAD)	LA SON DE LA CONTRACTOR		6	0.1	от	44,0,0,0	P	STATE
	b.			Ť	N I	12	714101010	•	EPA
TOR									STATE
GENERATOR	C.				11	1	1111		EPA
35									STATE
					1.1	1	1111		
	d,								STATE
às ,	J. Additional Descriptions for Materials listed Al	hovo			11	V 14	andling Codes for	Mantag	inted Above
	CR1000-LEAD CONTAMINA					a	T	c	Ssied ADOVE
	b 1 •	1 1 d				b		d	
	15. Special Handling Instructions and Additional CHEMTREC Emergency Responsible From Proceedings of the Chemtres of the Chemtr	ponse Nur 460 -	ne contents of this consigni	ment are fully	and accu	rately de	81533	roper ship	oping name and are
	If I am a large quantity generator, I certify that I is practicable and that I have selected the practice health and the environment; OR if I am a small gome and that I can afford.	able method of treati	nent, storage, or disposal of	currently availa	able to me	which i	minimizes the preser	nt and fut	ure threat to humar
à	GAIL F. MILLER		Zau V	Mu	len	_		į.	79.12.0
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt Printed/Typyd Name 18. Transporter 2 Acknowledgement of Receipt	IATA	Signature .	de	29	te	unt		Mo. Day Yes
TRA	Printed/Typed Name	and the second second	Signature -						Mo. Day Yes
LII.	19. Discrepancy Indication Space	6282			(A)C	3.5			
FACILITY	20. Facility Owner or Operator: Certification of	receipt of hazardou	s materials covered by the	this manifest	except a	s noted	in Item 19.		2 N 3
	Printed/Typed Name		Clonobien. II	100	10 m	A COLUMN	11 .		Mo- Day - Ye



CWM Chemical Services, Inc.

69390

***	. MODEL CITY	, INT				87260 LB 6 2
81533	5240	242	768A	NY	16:04	
Receipt #	0-4 CK		Plate # and State	/	09/12/0	90
Service Req. A	Profile	# Perm	23 8	7		
Transporter Na	IVI		or/Trailer/Roll-off	10	19:24	33440 LB 6 1
Driver's Name	Manda.	Genera		1 Dever	09/12/	33440 LB 6 1 100 538 20 F
Scheduled A	rrival:					50"
Actual Arrival	Date Date	Time /S S Time In	/ Time Ou	nt .		
Arrived durin	ng Blackout?	Y / N Noti	fied DEC? Y	/ N	60)
Leaker	Permit Viol	lation	carding/Veh. I.D.		Receiving:	Comments
			caroling/voll. i.b.	-		
Other (spe	спу					,
Bulk to Lar	ndfill No	wet line F	latbed St	abilization []	Orums Tanker	Transformers
Laboratory						
Laboratory	Time In	Time Out	Initials	Comments		
Stabilization						
	Time In	Time Out	Initials	Gross Wt.	Comments	
Landfill	Time In	T 0.1	l-tai-t-			
	rime in	Time Out	Initials	Comments		
Other						
	Time In	Time Out	Initials	Comments		
Truck Wash					T- L	
	Time In	Time Out	Signature (N	O 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
Failure to wear appropriate PPE	improper tarping or detarpin
Unsafe driving practices	Overweight upon arrival
Other (specify)	

NYB9396018

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

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID & HAZARDOUS MATERIALS



Ple	ase type or print. Do not staple.		RDOUS WA 12820, Alba					(Haz	CW zardous Waste Manifest 4/
	UNIFORM HAZARDOUS	Generator	's US EPA No.	Manifes	I Doc. No.	_	imonnauc		heavy bold line Federal Law.
	3. Generator's Name and Mailing Address US ARMY FORT DEVENS BLDG 1650					A.	NYB9	398	018
	FORT DEVENS 4. Generator's Telephone 9 76 er 796 - 37	MA 0143	2			В. С	SAME Sh	dy A	ret 71
	5. Transporter 1 (Company Name)		6. US EPA ID				tate Transporter's		
	Buffalo Fuel Coa	4	NYLOG		724	_	ransporter's Teleph		00 MT790K
	7. Transporter 2 (Company Name)		8. JUS EPA ID	Number			tate Transporter's I		
	Designated Facility Name and Site Address		10. US EPA II	O Number	-T-T-		State Facility ID) anoi	
	CWM CHEMICAL SERVICES, 1550 BALMER RD. MODEL CITY NY 14107	L.L.C.	N . Y . D . O . 4	19 8 3 6	6 7 9	н. ғ	acility Telephone ()
	11. US DOT Description (Including Proper Ship	ping Name, Hazar	d Class and ID Nu	mber)	12. Conta		13. Total	14.Unit	I. Waste No.
	8	COLTD N	0.0		Number	Type	Estimate	₩ŧ⁄Vol	DÔ08
	aRQ, HAZARDOUS WASTE, 9,NA3077,III,(LEAD)	SULID, N	.0.5,						STATE
					001	D T	4,4,0,0,0	P	121111111111111111111111111111111111111
	b.								EPA
PATO					10.1	-1-	1111		STATE
GENERATOR	C.								EPA
Ĭ					Way.		X (X X)		STATE
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									STATE
В		and the same of th			4.1	1	11 1 1		CVC-
	J. Additional Descriptions for Materials listed Al a CR1000-LEAD CONTAMINA					K. H	andling Codes for V	1	LISTER ADOVE
	a OKTOO DELLE CONT.	1-1 -6		1-4		а		С	
	b 1 - 1	, , a				6			
	15. Special Handling Instructions and Additiona	I Information	Source Carron	70.07 639		-	(I.77)	-	
	CHEMTREC Emergency Respect FRG#171 SERVICE REQUEST# 56.	ponse Nur 5460-	ber (800 4)424-930	OO WM	8	ontract 153324	/ D	
	16. GENERATOR'S CERTIFICATION: I h classified, packed, marked and labeled, and a regulations and state laws and regulations. If I am a large quantity generator, I certify that I practicable and that I have selected the practica health and the environment; OR if I am a small g me and that I can afford.	ne in all respects in have a program in pla able method of treatr	proper condition for ace to reduce the vol- ment, storage, or disp	r transport by high ume and toxicity of posal currently ava	waste gene	rated to which	applicable internation the degree I have de minimizes the presen	etermined t and fut	ational governmen to be economically ure threat to human
	Project Typed Name MILLER	(arthropaga)	Signature	IAWI	ller	,	*	i	09 12 Q
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt		Signature	2=14	14	_		É	0. Day Yes
TRANS	18. Transporter 2 Acknowledge ment of Receipt Printed/Typed Name	of Matenals	Signature	-0	/				Mo. Day Yes
FACILITY		53820		O. S. West State of the Control of t	A				
FAC	20. Facility Owner or Operator: Certification of a	receipt of hazardou		d by this manifes	st except at	noted	in Item 19.		to Ber 9
	Mynn Piechow	ski	Signature	Dyn (Luc	hor	ushi	C	9,120

		Charter Env	vironmenta	il, Inc.			
NAME:	Devens (Ro			Job :	3935		
	WMNH(Turr				3944		
DATE:	9/6/00 and 9					- 1	
Date	Loads	Truck	Reg #	Gross	Tare	Tons	Ne
9/6/00	1	Martin	911098	94020	38320	55700	27.85
9/6/00	2	Powers	912387	98920	37760	61160	30.58
9/6/00	3	Admat	AR2487	96760	37140	59620	29.8
9/6/00	4	Conner # 1	AR1702	91120	36940	54180	27.09
9/6/00	5	Conner	520787	95420	38280	57140	28.57
9/6/00	6	1&1	AR3338	103240	38020	65220	32.6
9/6/00	7	Northern	43756	98440	36020	62420	31.2
9/6/00	8	East Coast	4299AP	92360	38200	54160	27.08
9/6/00		East Coast	AR3650	89020	36960	52060	26.03
9/6/00		East Coast	4300AP	93100	36220	56880	28.44
9/6/00		Admat	AR1656	105100	35760	69340	34.6
9/6/00		Wisdom	Wisdom	105600	36600	69000	34.5
9/6/00		Martin	911098	115300	38100	77200	38.6
9/6/00		Admat	AR2487	109600	37140	72460	36.23
9/6/00		Powers	912387	108740	37500	71240	35.62
9/6/00		Conner	Conner	112000	37500	74500	37.2
9/6/00		Conner	AR1702	102300	36900	65400	32.7
9/6/00	18	181	AR3338	107660	37800	69860	34.93
9/6/00		Northern	43756	101680	35500	66180	33.09
9/6/00		East Coast	AR3650	101980	36900	65080	32.5
9/6/00		East Coast	AR4300	103440	36220	67220	33.6
9/6/00		East Coast	4299AP	94580	38200	56380	28.19
9/6/00		Admat	AR1656	112920	35700	77220	38.6
9/6/00		Wisdom	Wisdom	110920	35540	75380	37.69
							1000
Total				2444220	889220	1555000	777.50
9/7/00	1	Northern	AR43756	107360	35500	71860	35.93
9/7/00		Northern	33277	109700	35500	74200	37.
9/7/00		East Coast	4299AP	97940	37720	60220	30.1
9/7/00		East Coast	4300AP	104580	35980	68600	34.3
9/7/00		East Coast	AR3650	102480	36780	65700	32.8
9/7/00		Wisdom	Wisdom	121520	35960	85560	42.7
9/7/00		Northern	33277	103800	35700	68100	34.0
9/7/00		East Coast	4299AP	97160	37720	59440	29.7
9/7/00		East Coast	4300AP	106240	36240	70000	35.0
9/7/00		Northern	43756	109760	35580	74180	37.0
9/7/00		East Coast	AR3650	103560	37040	66520	33.2
Total				1164100	399720	764380	382.1
Grand				3608320	1288940	2319380	1159.6



Note: Make additional copies of this page as necessary.

Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	
LOAD SAMS	LOAD #:
Signature of languages (SCOC)	Signature of transporter
Receiving facility (1 hr. B. 1)	Receiving lacility
Date received 9/1/1	Date received
Time received 7:30 am	Time received
Date of shipment	Date of shipment
Time of shipmen	Time of shipment
Truck/Tractor registration \$1911.098 me	Truck/Trackor registration
Trailer registration 27.85	Trailer registration
oad size (cubic yards/tons)	Load size (cubic yerds/tons)
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 sire (cubic yerds/tons)	Load size (cubic yards/tons)

K	Log	Sheet	Volume	Informat	tion
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Total volume this page (cubic yards/tons,

Total carried forward (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 section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	
OAD #: 1	LOAD #:
grature of infresponer awar	Signature of transporter
cepting facility	Receiving lacility
myragined Complete	Date received
ne received 8(at / 6 3	Time received
1865663 10 of shipment 9 - C. 2000 30.58	— Bete of shipment
ne of shipment 7:45	Time of shipment
ct/Tractor registration H/e 912387	Truck/Tractor registration
the registration 14 0500780	Trailer registration
od size (cubic yardsAons)	Load size (cubic yards/tons)
OAD #:	LOAD #:
ignature of transporter	Signature of transporter
ceiving facility	Receiving facility
te received	Date received
ne received	Time received
te of shipment	Date of shipment
me of shipment	Time of shipment
ucl/Tractor registration	Truck/Tractor registration
ailer registration	Trailer registration
and size (cubic yards/tons)	Load size (cubic yards/lons)
Log Sheet Volume Information 30,58	ter .

Total volume 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 rot subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	and the state of t
OAD #: 1 1 A	LOAD #:
$\mathcal{I}(\mathcal{I}(\mathcal{I}))$	
ignature of francipones	Signature of transporter
deceiving facility	Receiving facility
09-06-00	Date received
inte received 9.06.00 \$ (0)	Time received
tale of shipmed 730 A M	Date of shipment
Time of shipment AK2487 NA	Time of shipment
ruck/Tractor registration	Truck/Tractor registration
railer registration 7957	Trailer registration
oad size (cubic yards/tons)	Load size (cubic yerds/tons)
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

K

Log Sheet Volume Information

Total volume this page (cubic yerds/tons)

58.43

Total carried forward (cubic yerds/tons) F8.24

Page

of .



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Tracking Number

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

Load Information	\cup (1)
LOAD #: 1	LOAD #:
Dem books	
Signature of transporter	Signature of transporter
Receiving facility 9-6-00	Receiving lacility
Date received 86679	Date received
Time received 9-6-CD	Time received
Date of shipment	Date of shipment
では Time of shipment はんりじて	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration 0520595 27.04	Trailer registration
Load size (cubic yerds/tons)	Lond size (cubic yents/tons)
LOAD #:	LOAD #:
	Manager and the second of the
Signature of transporter	Signature of transporter
Signature of transporter Receiving facility	
	Signature of transporter
Receiving facility	Signature of transporter Receiving facility
Receiving facility Date received	Signature of transporter Receiving facility Date received
Receiving facility Date received Time received	Signature of transporter Receiving facility Date received Time received
Receiving facility Date received Time received Date of shipment	Signature of transporter Receiving facility Date received Time received Date of shipment
Receiving facility Date received Time received Date of shipment Time of shipment	Signature of transporter Receiving facility Date received Time received Date of shipment

K Log Sheet Volume Information

	27.09	
Here be seen on the		
Total volume this pa	ge (cubic yards/tons)	
	F8.24	
Tabel menind famous	(/a Air want Anna)	
TOTAL CALLIER FOR MALE	(CUOR YEROS/IOIS), , , , , , , , , ,	
	(autoic yards/lons) 15,33	
	Mark Service Committee Contract Contrac	
Total carried frauen	d and this same to this sandellane!	



Note:

Make additional copies of this page as necesMaterial Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	(2)
LOAD #: /	LOAD #:
Signature of transporter	Bun C Signature of transporter
Signature of transporter Turn- key Syn Receiving facility 9-6-00	Burk_Signature of transporter Receiving facility
Date received 86568	Date received
Time received 9-6-00	Time received
Date of shipment	Date of shipment
Time of shipment Conner, N.M.	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration 0520787, m.E.	Trailer registration
Load size (cubic yards/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 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)

K Log Sheet Volume Information

28.51
Total volume this page (cubic yards/tons)
115-33
Total carried forward (cubic yards/tons)
143.90
Total carried forward and this page (cubic yards/tons)



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ke additional pies of this ge as necesMaterial Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 46.0035 nor manifesting under 310 CMR 30.000

Load Information	9109
LOAD #: /	LOAD #:
Signature duransporter	Signature of transporter
Receiving facility 86/6/1	Receiving lacility
Date received 32-61.	Date received
Time received	Time received
9/Le / 00 Date of shipmen	Date of shipment
8115 AM	Time of shipment
AR3338 N.H. Truck/Tractor registration	Truck/Tractor registration
7 Trailer registration	Trailer registration
Load size (cubic yerdshoris)	Load size (cubic yards/lons)
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	Truck/Tractor registration
Trailer registration	Trailer registration
Load sire (cubic yards/tons)	Loud size (cubic yards/tons)

Log Sheet Volume Information

32.61 143.90

Total carried forward (cubic yards/tons)

116.51

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

Total volume this page (cubic yards/tons)



Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

I nad Information

Note: Make additional copies of this page as necessary.

LOAD #: 11 11	LOAD #:
5'11 (TTX	
Signature of transporter	Signature of transporter
Tunkey Kochester	Signature in manaporto
Receiving facility	Receiving facility
0000 Sto Sto Sto 98	Date received
Firme received	Time received
Date of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Inactor registration	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/tons)	Load size (cubic yards/tons)
LOAD #:	LOAD #:
Signature of Iransporter	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	Truck/Tractor registration
Trailer registration	Trailer registration

Log Sheet Volume Information

Total volume this page (cubic yards/tons)

31.21

176.51

Total carried forward (cubic yards/tons)

207,72

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



iditional of this neces-

Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	
LOAD #: /	LOAD #:
	LORO 4:
yell with	and the second of the second o
Signature Olivansporter	Signature of transporter
Receiving facility	Receiving lacility
Szystile, 2000	Date received
Kl MM- 7-6	, W
Table received	Time received
Date of Shipment	Date of shipment
Time of shipment	Time of shipment
4299AF NH	
Truck/Tractor registration & ZZZZTZ NH	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yards/tons)
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving facility
Date received	Dete received
Time received	Time received
Date of shipment	Date of shipment

Time of shipment	Tune of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/hons)	Load size (cubic yerds/tons)

	27.08
Total volume this page (cubic yards/tons)	207.72
Total carried forward (cubic yards/tons)	234.80
AND A SECOND CONTRACTOR OF THE PROPERTY OF THE	Contract to the second

Total carried lowerd 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 section 310 CMR 40,0035 nor manifesting under 310 CMR 30,000

Load Information	
Seant AP	LOAD #:
Sent Als	- M
Signature of transporter	Signature of transporter
Receiving facility	Receiving lacility
oue typing in Storing	Se S Date received
ine received	Time received
_09-06-00 ()	
Pale of shipment	Dete of shipment
ime of shipment AR 36 50 N. H.	Time of shipment
nucl/ractor registration 71837K N. H	Truck/Tractor registration
Tailer registration	Trailer registration
oed size (cubic yerds/tons)	Load size (cubic yentis/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	Truch/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yentshons)	Lord size (cubic yards/lons)

K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

26.03

70tal volume this page (cubic yards/tons)

734.80

Total carried forward (cubic yards/tons)

260,83

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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 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information EAST Core	5T # 35
Com Boule	LOAD 6:
ignature of transporter	Signature of transporter
ecaving lacilly 12m w 8(5)	Receiving lacility
Table received 28.44	Date received
ime received 9-6-00	Time received
late of shipment	Date of shipment
Time of shipment	Time of shipment
1300 GP nucl/Tractor registration 4003 TS	Truck/Tractor registration
railer registration	Trailer registration
oad size (cubic yards/tons)	Load size (cubic yerds/tons)
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving facility
Date received	Date received
ime received	Time received
Date of shipment	Date of shipment
ime of shipment	Time of shipment
ruck/Tractor registration	Truck/Tractor registration
railer registration	Trailer registration
oad size (cubic yents/tons)	Load size (cubic yerds/lons)

K Log Sheet Volume Information

2F. 44

260.83

Total carried forward (cubic yards/fons) 289,27

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

Total volume this page (cubic yards/tons)





Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information PDM AT #5

Mote:
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LOAD #:	LOAD #:
By Del	
Signature of transporter 805704	Signature of transporter
Receiving facility 9/6/00	Receiving lacility
Date received Lip Bur 1/4	/ Date received
Tame received 6 00 34.67	Time received
Date of shipment	Date of shipment
Time of shipment \(\text{N} \text{R} \text{R} \) \(\text{S} \) \(\text{6} \)	Time of shipment
Truck/Tractor registration The D4 57743	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yards/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 shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yardsNons)	Load size (cubic yards/tons)

K Log Sheet Volume Information

34. 67

Total volume this page (cubic yards/tons)

2 F9. 27

Total carried forward (cubic yards/tons)

3 3. 9 4

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 section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

LOAD #:
*
Signature of transporter
Receiving facility
6 base received
1
Time received
Date of shipment
Time of shipment
Truck/Tractor registration
in the second se
Trailer registration
Load size (cubic yards/tons)
LOAD #:
Signature of transporter
Receiving facility
In the second se
Date received
Time received
programme sources are an experience of the source of the s
Date of shipment
Time of shipmen!
Truck/Tractor registration
Trailer registration

K Log Sheet Volume Information

Total volume this page (cubic yards/tons) 3 2 3 9 4

Total carried forward (cubic yards/tons) 3 5 8 4 4



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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

Load Information	
DAD SAMS	LOAD #:
ignature of language (8 6565	Signature of transporter
eceining lacility (1 hr &)	Receiving facility
Gie received 9////	Date received
ine received 7:30 Am	Time received
ale of shipment,	Date of shipment
me of shipmen	Time of shipment
DS > 30791 W/F	Tauck/Tractor registration
/ V911098 me	Trailer registration
ned size (cubic yerds/rons) 27,85	Load size (cubic yards/tons)
OAD#:	LOAD #:
SAMS/MATEU	Signature of transporter
eceiving facility L. J. R	Receiving facility
ate received 8(000)	Date received
me received Olylon	Time received
9/6/00 ate of shipment 11/30 Amo	Date of shipment
Il':30 Am	Time of shipment
91/098 Me	Truck/Tractor registration
05-20791 Me	Trailer registration
and size (aubic yards/hons)	Load size (cubic yertis/tons)

Log Sheet Volume Informat	ion
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	38.60	
Total volume this page (cubic yards/tons)	358.44	-
	197.04	100.000
Total carried lorward and this page (cubic ya	NAME OF TAXABLE PARTY.	- 10 - 4



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Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	A .
Signature for franchioner and	Signature of Farksponer
ine received 9.06.00 SLOT	Receiving facility 09.06-00 Date received 9 514 horizontal received 09.06-00
ine of shipment ine of shipment AND 487 NA nuck/Tractor registration O.S.Q. 14. 89 M.E railer registration 29. 87	Time of shipmeni AR2 187 NM Time of shipmeni AR2 187 NM Timok/Trackor registration 052 148 9 M63 6 2 Trailer registration Load size (cubic yerds/tons)
OAD #:	LOAD #:
ignature of transporter	Signature of transporter
aceiving lacitity	- Receiving facility
ale received	Date received
ine received	Time received
ale of shipment	Date of shipment
ine of shipment	Time of shipment
nuck/Tractor registration	Truck/Tractor registration
niller registration	Trailer registration
oad size (cubic yards/lons)	Load size (cubic yards/lons)

K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

397.04

Total carried forward (cubic yards/tons) 4 2

433.21

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sary.

Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 370 CMR 40.9035 nor manifesting under 310 CMR 30.000

Load Information	n n
LOAD#:	LOAD #:
Signature of transporter Stations	Signature of transporter
Receiving facility Compiles	Receiving lacility
Digita received	Date received
Time received 3058	Time received
Date of shipment 9 - Ca - 2000	Date of shipment
Time of shipment 7:45	Time of shipment
Truck/Tractor registration / Ple 912387	Truck/Tractor registration
Trailer registration	Trailer registration
14e 0500780 Loed size (cubic yerds/lons)	Load size (cubic yerds/tons)
LOAD #: 2 Ales	LOAD #:
Signature of transporter Life Burn	Signature of transporter
Receiving facility 8/0/82	Receiving facility
Date received 35.62 T	Date received
Time received	Time received
Date of shipmen 9 6-2000	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration The 91238) Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yards/tons)

Log Sheet Volume Information.

	35.62
Total volume this page (cubic yards/tons)	1/22 71
Total carried forward (cubic yards/tons)	433.21
	180.87

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Material Shipping Record & Log

Tracking Number

tion 310 CML 40 0035 nor manifesting	anda 510 civil 50.000
Load Information	(2)
LOAD#: /	LOAD#:
11,0	and the second second second second
Signature of mansporter Turn- Key Stofm	Burk Signature of transporter
Receiving facility 9-1-00	Receiving lacility
Date received 86568	Date seceived
Tame received 9-6-00	Time received
Date of shipment \$7.00 o.m.	Date of shipment
Time of shipment Conni-, w.ll.	Time of shipment
Truck/Tractor registration OS 20187, M.E.	Truck/Tractor registration
Trailer registration	Trailer registration
(ond size (cubic yertis/ions)	Lord size (cubic yerds/lons)
LOAD#: 2	LOAD#:
Signature of transporter Turn-key	- Signature of transporter
Receiving facility 9-6-00	Receiving facility
Date received Disco 7	Date received
Time received 9-6-06	Time received
Date of shipment	Date of shipment
Time of shipmen Conner, N.H.	Trace of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailler registration
Load sire foubic yerrishoes	- Load size (cubic yerts/lons)

K Log Sheet Volume Information

37.

468.89

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Material Shipping Record & Log

Tracking Number

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

J	Load Information	(1)
	LOAD #: 1	LOAD#:
Note: Make additional	Signature of transporter Stand	Signalure of transporter
copies of this page as neces-	Receiving facility	Receiving facility
sary.	9-6-00 Date received 865679	Date received
38	Time received	Time received
	9-6-CD Date of shipment	Date of shipment
	Time of shipment	Time of shipment
	Truck/Tractor registration	Truck/Tractor registration
	Trailer registration 057.0595 27.59	Trailer registration
	Load size (cubic yerds/tons)	Load size (cubic yents/tons)
	LOAD#: 2	LOAD#:
	Signature of transporter	Signature of transporter
	Receiving facility 9-6-60	Receiving facility
	Cone riconved	Date received
	Time received 1-(2-UD)	Time received
	Date of shipment 17:10	Date of shipment
	Time of shipment	Time of shipment
	ARTICZ Truck/Tractor registration 057,0590	Truck/Tractor registration
	Trailer registration	Trailer registration
	Load sire (cubic yerds/tons)	Load Size (cubic yards/tons)

K Log Sheet Volume Information

Total volume this page (cubic yerds frons) 506-14

Total carried forward (cubic yerds frons) 537 \$1

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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 370 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	9/29
OAD #: /	LOAD #:
Jeffrey John	
ignature distributed of Landson of	Signature of transporter
econing lecility 86,7681	Receiving lacility
ate received 32.61	Date received
ine received	Time received
9/le/00	Date of shipment
8115 AM	Time of shipment
AR3338 N.H.	Truck/Tractor registration
0520720 ME	Trailer registration
25 4d S	Load Sire (cubic yerds/lons)
.DAD #: , , , ,	LOAD #;
ignous circusports frey one	Signature of transporter
Receiving facility	Receiving facility
to reduced to the Cold W	Date received
ime received)	Time received
-9/6/00 whe at shipment	Date of shipment
Time of shipment	Time of shipment
AR 3338 N. H.	Truck/Tractor registration
OSZO720 ME	Trailer registration
25 405 J. G. Sod Size (aubic yerds/long)	Load size (cubic yents/Aons)

K Log Sheet Volume Information

	34.9
Total volume this page (cubic yards/tons)	
. DEL TOLETA SAL PAGE LAURE JA LEVILLE	-2P84

Total carried forward (cubic yards/tons)

373.77

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



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ry.

Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR +0.0035 nor manifesting under 310 CMR +0.000

Load Information	
OAD #: 1 ///	LOAD#:
1 1 (11X)	
ignature of transporter	M / Seguence of transporter
Tunkey rochest	er My
certaing facility.	Receiving lacility
Enderto 6/00	C / Cr. Date received
Dram-do	5678
accounts (Time received
e of Stutters	Date of shipment
630 Am	Lote is significan
ne of shipmen	Time of shipmen
May 66878	**************************************
toTractor registration	Truck/Tractor registration
the registration	Trailer registration
7.6.	
d size (cubic yerds/tons)	Load size (cubic yerds/tons)
A. 31 W. 200	
AD#: . / / / /	LOAD #:
Pal Catto	
nature of transporter by	- 1 Signature of transporter
reiving legiting	Receiving facility
9-600	
neithred ~	Date received
ne received	Time received
2600	
e at shipment	Date of shipment
-110 fm	
ine of prignition	Time of shipment
Ab Tracker registration	Truck/Tractor registration
119 1600 18	
aller registration	Trailer registration
and size (cubic yerds/rons)	Load size (cubic yents/tons)

K Log Sheet Volume Information

33.09
Total volume this page (cubic yards/tons)
513.17
Total carried forward (cubic verds/lons) .
Total carried forward (cubic yards/tons) 6 06.86
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 section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	
LOAD #:	LOAD #:
Sent A/2	
Signature of uninsponer	Signature of transporter
Deceiving lacility	Receiving facility
se point nom re fle	57EV Date received
09-06-00 ()	Time received
Date of shipment	Date of shipment
AR3650 N.H.	Time of shipment
71837K N.H	Truck/Tractor registration
railer registration The Communication of the Commun	Trailer registration
and size (cubic yords/tons)	Load size (cubic yerds/tons)
Sennell A Brown	LOAD#:
Signflure of transporter	Signature of transporter
Recolpting tophiny	Receiving facility
Date received	Date received
Time received 09-06-00	Time received
Date of shipment	Date of shipment
ime of shipment 3630 N.t.	Time of shipment
TURNING REGISTRATION N. H	Truck/Tractor registration
Trailer registration 32-50	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yards/lons)

K Log Sheet Volume Information

	32.54
Total volume this page (cubic yards/tons)	606.86
Total carried forward (cubic yards/tons)	63940

Page



Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information EAST L	CORST # 35
LOAD #: 1	LOAD #:
Signaluse of transporter	Signature of transporter
Recogning locifly	Receiving lacility
and received 25.4	Date received
Tame received 9-6-00	Time received
Date of shipment	Date of shipment
Time of shipment 11 + 4300 FF	Time of shipment.
Truck/Tractor dejistration 144468375	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yards/tons)
LOAD #: 2	LOAD #:
Signature of physioponer	Signature of transporter
Receiving facility	Receiving facility
Date received 9///	Dete received
Time received 9-6-00 86585	Fine received
Date of shipment 33.0	Date of shipment
Time of shipment	Time of shipment
Truck/Trackor registration NH 4 0 5 3 1 5	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yeards/tons)	Load size (cubic yards/tons)

K Log Sheet Volume Information

	نى	3	. 6	/	
Total volume this page (cubic yards/tons)	63	9.	4	0	
Total carried forward (cubic yards/tons)	10	2			

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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 31.1 CML 40 0035 nor manifesting under 310 CME 30 000

Load Information	
OAD #:	LOAD #:
ignatur foldransporter	Signature of transporter
eceiving facility	Receiving lacility
525th, 2000	Date received
e money 7-64	Time received
e of shipment	Date of shipment
8.20mm e of shipment	Time of shipment
42 99 A. P. NH.	Truck/Tractor registration
BZ7Z TI, NH.	Trailer registration
d sine (cubic yerds/tons)	Load size (cubic yards/tons)
AD #: 2	LOAD #:
neture of transporter C	Signature of transporter
eiving tacility	Receiving facility
received 70 Hotel	Date received
e received 25:19:	Time received
of shipment	Date of shipment
e of shipment	Time of shipment
HZTTA, P, WHI OUTRACTOR REGISTRATION EZTZTI, MHI	Truck/Tractor registration
22 / V.J., 1971	Trailer registration
ad size (cubic yards/tons)	Load sire (cubic yardshons)

	21.19	
Total volume this page (cubic yards/tons)	1	
	673.01	
Total carried fenward (muhic vardefens)		

Page

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 section 310 CMK 40 0035 nor manifesting under 310 CMK 30,000

Load Information ADM AT LOAD #: LOAD #: Signature of transporter Signature of transports Receiving facility Receiving lacility 6/00 Date received Date received Time received Date of shipmen Date of shipment 0,00 VU Time of shipment Time of shipment Truck/Tractor registration Truck/Tractor registration WE Trailer registration Trailer registration Load size (cubic yards/tons) Load size (cubic yents/lons) LOAD #: 2 LOAD #: Signature of transporter Signature of transporter TURNKLY Receiving facility Receiving facility 96 Date received Time received 9/6/ 00 Date of shipment Date of shipment Time of shioment Time of shipment NHARJESE Truck/Tractor registration Truck/Tractor registration

WE 042 Trailer registration Trailer registration Load size (cubic yards/tons) Load size (cubic yents/lons)

Log Sheet Volume Information of ____ Page ... Total volume this page (cubic yards/tons) 701.20 Total carried forward (cubic yards/tons) 739,11 Total carried lonward 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 section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	and the time second
LOAD#:	LOAD #:
Signature of transporter	Signature of transpotter
Receiving trackity	Receiving lacility
Date received 1600	10 26 pare received
Time received	Time received
Date of shipmens 9 Am 34	1.50 T Date of shipment
Time of shipment	· Time of shipmen
Truck/Tractor registration 0.50.59.53	Truck/Tractor registration
Trailer registration	Trailer registration
Land size (cubic yerds/tons)	Load size (cubic yerds/tons)
LOAD #:	LOAD #:
Signature of transponer	Signature of transporter
Receiving tacility 9	Bul Receiving facility
Date received 3. S.S.	2016 Dete received
Time received	Time received
Date of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration 05 9 86	7 Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/tons)	Load size (cubic yards/tons)

K Log Sheet Volume Information

	3769
Total volume this page (cubic yards/to	
Total carried forward (cubic yards/fons	

Page of



Material Shipping Record & Log

Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 40.0035 nor manifesting under 310 CMK 30.000

Load Information

LOAD #:

LOAD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Trailer registration

Truck/Tractor registration

Load size (cubic yerds/lons)

Note: Make additional copies of this page as neces-

Receiving lacility Date received Time received Date of shipment. Time of shipment Truck/Tractor registration

LOAD #:

10AD #:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yents/tons)

Log Sheet Volume Information

Total volume this page (cubic yerds/tons)

Total carried forward (cubic yards/tons)

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 section 310 CMK 46.0035 nor manifesting under 310 CMK 30.000

LOAD #:	LOAD #:
63 D D	
Signature of Iransporter	Signature of transporter
Turnbay Sochester	1)24
Receiving facility	Receiving lucility
Date received	0 Q Date received
Time received 90 PM	Tane received
9-7-00	
Date of shipment	Date of shipment
Time of Shoment	energy of the court of the first of the court of the cour
wind 1.12mgs(-	Time of shipment
Tition Tractor registration	Truck/Tractor registration
MG 66878	Minute and Apparent Management and the appropriate for the first feet for the first feet for
Trailer registration Lilan Rus O	Trailer registration
Load size (cubic yordshors) 9/2/0	Load size (cubic yerds/tons)
LOAD #: 1 1 86599;	2_ LOAD #:
Signature of transponer	N / Bignature of transporter
Receiving tacility	Receiving facility
Dole aboved , - Day Ugn	Sul Date received
Time received 7 5 8 (double	Time received
Date of shipmen	Dete of shipment
Time of shipmen	Time of shipment
Trub Tractor registration	Truck/Tractor registration
Problem of Sweet on 66 8 18	Trailer registration
Load size (cubic yends/tons)	Load sire (cubic yerds/tons)

K Log Sheet Volume Information

35,93

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Total volume this page (cubic yerds/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 section 310 CMK 40.0035 nor manifesting under 310 CMK 30.000

Load Information	
LOAD Tonis allan	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving lacility
Dure locaived (Date received
Tame received Dyny	Time received
Date of shipmen TCC	Date of shipment
Time of shipment	Time of shipment
3337 mn. n.	Truck/Tractor registration
Trailer registration	Traller registration
Lord size (cubic yords/rons)	Load size (cubic yerds/tons)
LOAD #:	LOAD #:
Signature of transporter	Signature of transporter
Receiving technic = 7-00 / 0.8	O Receiving facility
Date received	Date received
Time receiped	Time received
Date of shipment	Dete of shipment
Time of shipment	Time of shipmen
33277 MA TruduTractor registration 67274 MA	Truck/Tractor registration
Trailer registration	Trailer registration
Load sire (cubic yerds/toris)	Load size (cubic yents/horis)

Log Sheet Volume Information

31.10

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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 CMK 30.000

Load Information	
LOAD #:	LOAD #:
Continue	
Signature of parsipates	Signature of transporter
Receiving facility	Receiving lacitity
Date received	O Date received
6:20 m	94.12
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Date of shipmen	Date of stripment
Time of shipment	Time of shipment
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Load size (cubic yerds/tons)	Load size (cubic yards/tons)
LOAD # Z	LOAD #:
Signature di transporter	Signature of transporter
Receiving leakly	Receiving lacking
Date received	Date received
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Date of shipmen	Plo Dute of shipmen
Time of shipment 866	Time of shipment
TOUR TRUCK REGISTRATION	So, (Truck/Tractor registration
6272TI NH	4
Trailer registration	Trailer registration
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K Log Sheet Volume Information

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	77 33
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and a second second	100,11

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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 310 CMA → 0.0035 nor manifesting under 310 CMR 30.000

J	Load	Information

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LOAD #: / LOAD #: Time received Date of shipment Date of shipment Truck/Tractor registration Trailer registration N' 4 4 00375 Trailer registration Lord size (cubic yerds/tons) Load size (cubic yerds/tons) LOAD #: 2 LOAD #: Signature of transporter Receiving tacility Receiving lacility Time received Date of shipment Date of shipment Time of shipment Truct/Tractor registration Trailer registration Load size (cubic yards/lons) Load size (cubic yents/tons)

K Log Sheet Volume Information

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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 CMR 40.0035 nor manifesting under 310 CMR 30.000

Load Information	
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Signature of transporter	Signature of transporter
Receiving Tacitity Or . 9/	Receiving lacility
over married 12/00	Dele received
Tame received	Time received
09-07-00) . J. Dolle of shipment	Date of shigment
6515 Ar M	· Time of shipment
AR 36 50 Truck/Tractor registration	Truck/Tractor registration
7 1837/L W. 4. Trailer registration	Trailer registration
Lord size (cubic yerds/tons)	Load size (cubic yents/tons)
LOAD #: Af 12-	LOAD #:
Signound of transporter	Signature of transporter
Receivible facility	Receiving Rickliny
Date received	Date received
Tame received 9-67-00	Time received
Date of stripment	Date of shipment
Time of shipment	Time of shipment
Al3650 Truck/Tracio registration 7185T/C	Truch/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yents/tons)	Load size (cubic yerds/hons)

Log Sheet Volume Information

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Total carried forward (cubic yerds/tons)

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170,29

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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 31.J CMK 40.0035 nor manifesting under 310 CMR 30.000

Load Information

Signature of transporter	LOAD #:
Signature of transporter	Signature of transporter
Receiving lacility TURNKEY	Receiving lacility
Date rightness (17/00	Due received
Tame received	Time received
Date of shipmen	, Dute of shipment
Time of shipment	Time of shipment
Truck/Tractor registration OF A OC 3	Truck/Tractor registration
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Load size (cubic yents/tons)	Lord size (cubic yerds/lons)
LOAD#:	LOAD #:
Signature of transporter	Signature of transporter
Receiving facility	Receiving facility
Determined	Date received
Time received	Time received
Dete of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yerds/lons)	Load size (cubic yerts/lons)

K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

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Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMK 40 9035 nor manifesting under 310 CMK 30.000

Load Information	
LOAD & COO	LOAD #:
Tony alla	
Signature of transporter	Signature of transporter
Receiving facility	Receiving lacility
Date (positived Common ST)	Date received
Time received	Time received
Date of shipment	Date of shipment
Time of shipment 33377 Mn	Time of shipment
Truck/Tractor registration 67274 MA	Truct/Tractor registration
Trailer registration	Trailer registration
Lord sire (cubic yerds/tons)	Load size (cubic yerds/tons)
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Signature of transporter	Signature of transporter
Receiving lacility	Receiving facility
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Time of shipmen	Time of shipment
Trud/Tractor registration	Truct/Tractor registration
Trailer registration	Trailer registration
Load Size (cubic yerds/lons)	Load size (cubic yerds/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 section 310 CML 40.0035 nor manifesting under 310 CMR 30.000

Load Information	F a
OAD #:	LOAD #:
graine of projects	Signature of transporter
eccining facility	Receiving lacility
DE 1000000 25 72	Date received
me received OD in a	Time received
ale of shipmen	Date of shipment
ine of shipment	Time of shipment,
nucl Tractor registration	Truck/Tractor registration
niver registration	Trailer registration
and size (cubic yerds/tons)	Load size (cubic yerds/tons)
.OAD #:	LOAD#:
Signature of transporter	Signature of transporter
eceiving lacility	Receiving facility
of received.	Dele received
ime 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 sire (cubic yerds/forts)	Load size (cubic yerds/tons)

K Log Sheet Volume Information

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Total carried forward (cubic yards/tons)

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Total carried forward and this page (cubic yerds/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 section 370 CMR 40.0035 nor manifesting under 310 CMR 30.000

LOAD#: /	LOAD #:
Signature of transporter gran Boul	Signature of transporter
Receiving aciting O M	Receiving lacility
Davie received \(\)————	Date received
Time received	Time received
Date of shipmen 9-7-08 3500	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truck/Tractor registration
Trailer registration N # 9 00 3 TS	Trailer registration
Lord size (cubic yerds/tons)	Load size (cubic yerds/tons)
LOAD#:	LOAD #:
Signature of transporter	Signature of transporter
Receiving lacility	Receiving facility
Date received	Date received
Time received	Tane received
Date of shipment	Date of shipment
Time of shipment	Time of shipment
Truck/Tractor registration	Truct/Tractor registration
Trailer registration	Trailer registration
Load size (cubic yends/lons)	Lord size (cubic yents/rors)

K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

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Total carried forward (cubic yards/tons)

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Material Shipping Record & Log

Load Information

Tracking Number

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LOAD #:	LOAD#:
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Temedo .	A 200 TO 100
Signature of transporter	Signature of transporter
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Redeining facility	Receiving lacitly
I Worm (176	
Date appring 10 1-0-	Date received
91 Ha)	
Time received	Time received
4 114 each 1 ac 1	TRIC ISCAYOU
09-07-00 Date of shipment	Call Control C
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6115 Ar N	The state of the s
Time of shipment	Time of shipment
AR3650	
Truck/Tructor renistration	Truck/Tractor registration
7 102711 21 4.	
7 1837/L W. 4.	Trailer negistration
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Load size (cubic yents/tons)	Load sire (cubic yerds/tons)
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K Log Sheet Volume Information

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Total carried lonward and this page (cubic	yerds/tons)

Page

Load size (cubic yerds/tons)

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Roberts Corporation

DUCT 5041

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

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

(Name of Carrier)

4145 Shipper No. Carrier No.____ 9/11/00 Date __ CHARTER ENVIRONMENTAL INC

FREIGHT CHARGES:

isignee	N.E.E.D.	1 0 10-	Shipper			
set 2	Johnstown, R	•		Engineers MA (R	and Horse	5"
Jte		***	Emergency Response Phone No.		Vehicle	
Shipping Units	HM*	Kind of Packaging, Description of Ar Special Marks and Exceptions	ticles,	Weight (aubject to correction)	Rate	CHARGES
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ro: .85:	1	9	COB Amt: S		C.O.D. FE PREPAID COLLECT	□•
E - Where the	rate is department on value, shippers appointably in writing the agreed or	This is to certify that the above named materials are property closed fact, described, packaged, marked, and labored, and second and	Bubloot to Section 7 of the con-	COURSE OF the Laboration, the cur		s: \$

CEIVED, subject to the classifications and lawfully filed terriffs in effect on the date of the issue of bill of Lading, the property described above in apparent good order, except as noted (contents condison of contents of packages unknown), marked, configured and destined as indicated above in apid carrier (the word carrier being understood throughout line contract as meaning any person apporation in possession of the property under the confined) agrees to carry to its usual place of any at seid destination if on its noute, otherwise to deliver to another carrier on the noute to asid matter, it is multituity agreed as to each carrier of all or any of aid property over all or any and not staid noute to desteation and as to each party at any time interested in all or any said erry, that every septrice to be performed horseunder shall be subject to all the Bill of Lading terms

and conditions in the governing classification on the date of shipment.

Shipper hereby certities that he is familiar with all the Bill of Lading larne and conditions in the governing classification and the said terms and conditions are horeby agreed to by the shipper and accepted for himself and his assigns.

MOTICE: Freight moving under this Bill of Lading is subject to the classifications and tawfully filed tariffs in effect on the date of this Bill of Lading. This notice supersedes and negates any claimed, alloyed or accorded oral or written contract, promise, representation or understanding between the parties with respect to this freight, except to the extent of any written contract which establishes lawful contract carriage and is signed by authorized representatives of both parties to the contract.

CHARTER ENVIRONMENTAL, INC.	CAPRIER ROBERS CON	
000	PER A	
	DATE S/H/B	U



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

DATE: 09/06/2000

TIME: 09:32-09:4

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 8

HAULER:

WEIGH

MASTER: KIM GROMYRO

WASTE: COVER SOIL

ORIGIN: WE MASSACKUSETTS

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

OROSS: 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.

PRINT COMPANY: ORDER NUMBER:		010805
PRINT NAME:	81GN: All	
	000	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

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

(603)330-2134

865663

TIME: 09:33-09:4

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 59

HAULER:

WEIGH

MASTER: KIM GROMYKO,

WASTE:

COVER SOIL

GRIGIN: 02 MASSAZHUSETTS

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

TO THE BEST OF MY

GROSS: 98920 LBS TARE: 37760 LBS

KNOWLEDGE THIS TRUCK

NET: 61160 LBS = 30.56 TONS

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.

With Avenue alle	Deltel			
PRINT COMPANY: ORDER NUMBER:			1	ଡ1 ହଥ
PRINT NAME:		SIGNE	12	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865679 TURNKEY LANDFILL DIVISION -:

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

DATE: 09/06/2000 TIME: 09:58-10:17

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 1

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

NET:

ORIGIN: 02 MASSACHUSETTS

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

Spirit Land Street, South Street, Stre

GROSS: 91120 LBS

TARE: 36940 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

54180 LBS = 27.09 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 bast of my nowledge and belief.

PRIMT	NAME:

RINT COMPANY:

ORDER NUMBER:

0108056



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

565666

(603)330-2134

DATE: 09/06/2000

TIME: 09:36-09:58 .

CUSTOMER: 217 CHARTER ENVIRONMENTAL

WEIGH

TRUCK: ADMA

HAULER:

MASTER: KIM BROMYKO

WASTE: COVER SOIL

ORIGIN: Ø2 MASSACHUSETTS

ROFILE: 523680 R R ROUNDHOUSE SOIL \ SEN: HESS USACOE DEVENS RSTA

GROSS: 96760 LBS

TARE: 37140 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK

NET: 59620 LBS = 89.81 TOMS

CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

UT-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 nowledge and belief.

RINT COMPANY: DRDER NUMBER:		
PRINT NAME:		SIGME

0108056



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865681 TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/200 (603) 330-2134

TIME: 10:00-10:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: GREY

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

DRIGIN: 02 MASSACHUSETTS

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

GROSS: 103240 LBS Part of the same o TARE: 38020 LBS

NET: 65220 LBS = 32.61 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 perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPO		PROPERTY OF THE PROPERTY OF TH			01080
	AME:		SIGN:	July	• •• • • • • • • • • • • • • • • • • • •



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865680 TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH

(603)330-2134

DATE: 09/06/200

TIME: 09:59-10:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 2

HAULER:

WEIGH

MASTER: KIM GRUMYKO

WASTE:

COVER SOIL

NET:

ORIGIN: @2 MASSACHUSETTS

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

GROSS: 95420 LBS

TARE: 38280 LBS PHIL. TO THE BEST OF MY

KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

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.

57140 LBS = 28.57 TONS

PRINT COMPANY:				0108
ORDER NUMBER:	0.000		12 0	
		SIGNE	1Code	'
PRINT NAME:		W. C. C. F. F. E.		



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 855698 TURNKEY LANDFILL DIVISION

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

TIME: 10:27-10:46

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080 P R ROUNDHOUSE BOIL ' GEN: HESS USACOE DEVENS RSTA

Marine Street Street

GROSS: 98440 LBS

TARE: 36020 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK

PRINT NAME:

CONTAINS NO HAZARDOUS

NET: 62420 LBS = 31.21 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.

	1.

PRINT COMPANY: ORDER NUMBER:

WASTE MANAGEMENT OF NEW HOMPSHIRE, INC. TURNKEY LANDFILL DIVISION

865699

0100056

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

TIME: 10:28-10:49

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

WEIGH

MASTER: KIM GROMYKO

HAULER:

WASTE: COVER SOIL

DRIGIN: DE MASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \

GEN: H229 USACDE DEVENS RSTA

92360 LBS GROSS:

TO THE BEST OF MY

38200 LBS TAREL

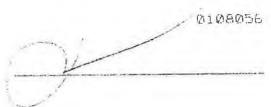
KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 54160 LBS = 27.08 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.

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WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION

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

(603)330-2134

865701

TIME: 10:29-10:5

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PROFILE: 523080 R R RQUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 93100 LBS

TARE: 36220 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET:

56880 LBS = 28.44 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:		010805
DRDER NUMBER:	\cap	
PRINT NAME:	STGN: 1	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION

865700

90 ROCHESTER NECK FOAD, ROCHESTER, NH

(603)330-2134

DATE: 09/06/2000 TIME: 10:29-10:5

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: EAST

WEIGH

MASTER: KIM GROMYKO

WASTE:

HAULERS

COVER SDIL

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 KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

52060 LBS = 25.03 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 helief

monreage ond	LC J, A C I E			
PRINT COMPANY:				0108
ORDER NUMBER:		1	1	1
PRINT NAME:		STANE		



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865715 TURNKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000 (603)330-2134

TIME: 10:44-11:04

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 46

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: WE MASSACHUSETTS

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

GROSS: 105600 LBS

TARE: 36600 LBS

TO THE WEST OF MY KNOWLEDGE THIS TRUCK

NET: 69000 LBS = 34.50 TONS

CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE

DUT-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 pelief.

PRINT	NAME:

PRINT COMPANY:

ORDER NUMBER:

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DIMBMSE.



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. # 865714 TURNKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, . ROCHESTER, NH DATE: 09/06/2000

(603)330-2134

TIME: 10:44-11:02

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: ADAM

WEIGH

MASTER: KIM GRÓMYKO

HAULER:

WASTE: COVER SOIL

ORIGIN: Ø2 MASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \

GEN: H229 USACOE DEVENS RSTA

GROSS: 105100 LBS TARE: 35760 LBS

NET: 69340 LBS = 34.67 TONS

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

DUT-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,

RINT COMPANY: ORDER NUMBER:		-
Diameter House III.		11.
PRINT NAME:	SIGNE	7

0108056



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865802 TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2001 (603)330-2134

TIME: 13:45-14:1

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 8

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: WE MASSACHUSETTS

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

GROSS: 115300 LBS TARE: 38100 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 77200 LBS = 38.60 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:		0	010805
PRINT NAME:	SIGN:	7	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION

A65014

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

(603)330-2134

TIME: 14:01-14:01

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: ADMA

WEIGH

MASTER: MIM GROMYKO

HAULER:

WASTE: COVER SOIL

URIGIN: WE MASSACHUSETTS

PROFILE: 523050 R R ROUNDHOUSE SOIL \ GEN: H229 USACOF DEVENS RSTA

GROSS: 109600 L05

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 72460 LBS = 36,23 TONS

OR UNACCEPTABLE WASTE

GUT-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:	S. T. Gitte

0108056

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. # 865832 TURNKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000 STE MANAGEMENT503) 330-2134 - TIME: 14:29-14:29 DMER: 217 CHARTER ENVIRONMENTAL TRUCK: 2 WEIGH AULER: MASTER: KIN GROMYKO COVER SOIL WASTE: ORIGIN: 02 MASSACHUSETTS ILE: 523080 R R ROUNDHOUSE SOIL \ GEN: H229 USACOE DEVENS RSTA GROSS: 112000 LBS TO THE BEST OF MY TARE: \$57500 LBS KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS NET: 74500 LBS = 37.25 TONS OR UNACCEPTABLE WASTE OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of my that the information provided is true and correct to the best of my edue and belief. COMPANY: R NUMBER: INT NAME: SIGN: WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865888 TURNKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000 (603)330-2134 TIME: 14:12-14:12 STOMER: 217 CHARTER ENVIRONMENTAL TRUCK: 59 WEIGH MASTER: KIM GROWYKO HAULER: WASTE: COVER SOIL ORIGIN: 02 MASSACHUSETTS FILE: 523080 F R ROUNDHOUSE SOIL 'GEN: H229 USACDE DEVENS RSTA TO THE BEST/OF MY GROSS: 108740 LBS TARE: 37500 LBS KNOWLEDGE / HIS TRUCK CONTAINS /NO HAZARDOUS NET: 71240 LPS = 35.62 TONS OF UNACCEPTABLE WASTE -OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of jury that the information provided is-true and correct to the best of my eledge and belief.

T COMPANY:
DER NUMBER:
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STON:

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865833 TURNKEY LANDFILL DIVISION

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

TIME: 14:30-14:31

CUSTOMER: 217 CHARTER ENVIRONMENTAL

COVER SOIL

TRUCK: 1

HAULER:

WEIGH

MASTER: KIM GROMYKO DRIGIN: 02 MASSACHUSETTS

WASTE:

PROFILE: 523080 R R ROUNDHOUSE SOIL 1 GEN: H229 USACOE DEVENS RSTA

GROSS: 102300 LBS TARE: 36900 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 65400 LBS = 32.70 TONS

OR UNACCEPTABLE WASTE

DUT-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 mowledge and belief.

PRINT COMPANY:			0108056
ORDER NUMBER:		1	
PRINT NAME:	 SIGNE	رول ا	

WASTE MANAGEMENTERS) 330-2134

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865841 TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH

DATE: 09/06/2000 TIME: 14:43-14:44

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK! GREY

WEIGH

HAULER:

MASTER: KIM GROMYKO

WASTE: COVER SOIL

DRIGIN: 02 HASSACHUSETTS

PROFILE: 523080 R R ROUNDHOUSE SOIL \ SEN: H229 USACOL DEVENS RSTA

GROSS: 107660 LBS TARE: 37800 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTRINS NO HAZARDOUS

NET: 69860 LBS = 34.93 TONS

OR UNASCEPTABLE 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:			OV1805A
PRINT NAME:	-	515N:)



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865847 TURNKEY LANDFILL DIVISION

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

(603)330-2134

TIME: 14:57-14:57

STOMER: 217 CHARTER ENVIRONMENTAL

WE TOH

TRUCK: NE

MASTER: FIM GROMYKO

HAULER:

WASTE: COVER SOIL

ORIGIN: WE MASSACHUSETTS

FILE: 523000 R R ROUNDHOUSE SOIL - GEN: HESP USACOE DEVENS RSTA

GROSS: 101680 LBS

TARE: 35500 LBS

PRINT NAME:

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 66180 LBS = 33.09 TONS OR UNACCEPTABLE WASTE

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

IT COMPANY: _____ DER NUMBER:

SIGN:



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

98 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000

TIME: 15:11-15:11

(603)330-2134

TRUCK: EAST

WETGH

MASTER: KIM GROMYKO

IAULER:

WASTE: COVER SOIL

TOMER: 217 CHARTER ENVIRONMENTAL

ORIGIN: GO MASSACHUSETTS

ILE: 583080 R R ROUNDHOUSE SOIL & GEN: H229 USACOE DEVENS RSTA

BR055: 101980 LHS

TARE: 36900 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 65080 LBS = 35.54 TOMS OR UNACCEPTABLE WASTE

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

T COMPANY:	with the same and
ER NUMBER:	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865858 TURNEEY LANDFILL DIVISION

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

ORIGIN: OR MASSACHUSETTS

DETRIT COMPONITY

PROFILE: 523060 R R ROUNDHOUSE SOIL > GEN: R229 USACOG DEVENS RSTA

6ROSS: 103440 LBS TARE: 36880 LBS TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 67220 LBS = 33.61 TONS

OR UNACCEPTABLE WASTE

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

PRINT COMPANY:				0108056
DRDER NUMBER:		1	1	
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WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

BB5868

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

TIME: 15:33-15:33

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

GRIGIN: WE MASSACHUSETIS

PROFILE: 523080 P. R. ROUNDHOUSE SOIL A

GEN: HERS USACOE DEVENS RETA

GROSS: 94500 LDE 'TARE: 38200 LBS

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

'NET: 56380 LBS = 28.19 TONS

OUT-OF-STATE SULID WASTE TRAMSPORTER DECLARATION: I contify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.

PRINT COMPANY:			0108056
ORDER NUMBER;		0:	
PRINT NAME:	 SIGN:	rai	
		0	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865880 TURNKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000

(603)330-2134

TIME: 15:52-15:53

STOMER: 217 CHARTER ENVIRONMENTAL

WEIGH

TRUCK: ADAM

HAULER:

MASTER: KIM GROMYKO

WASTE: COVER SOIL

DRIGIN: 02 MASSACHUSETTS

FILE: 523080 P R ROUNDHOUSE SOIL V GEN: H229 USACOE DEVENE RSTA

TO THE BEST OF MY

GROSS: LIRSED LBS

TARE: 35700 LBS

NET: 77220 LBS = 38.61 TONS

KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

OR UNACCEPTABLE WASTE

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

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DER NUMBER:

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC TURNKEY LANDFILL DIVISION

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90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/06/2000 (503)330-2134

TIME: 15:54 15:55

NT COMPANY:

PRINT NAME:

STOMER: 217 CHARTER ENVIRONMENTAL.

TRUCKS WIS WEIGH

HAULER:

WASTE: COVER SULL

DRIBIN: DR MASSACHUSETIS

MASTER: KIM DEDMYNG

FILE: 523060 R F ROUNDHOUSE SOIL GEN: H229 USACOE DEVENS RSTA

58058: 110920 LBS

TARE: 35540 LBS

TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

THET: 75380 LHS = 37.69 TUNS

OR UNACCENTABLE WASTE

-OF-STATE SOLID WASTE TRANSPORTER DECLERATION: I centify under penalty of jury that the information provided is true and correct to the best of my wledge and belief.

VT.	COMPANY:		
)ER	NUMBER:		

0108056

PRINT NAME:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 866169 TURNKEY LANDFILL DIVISION # 866169

90 ROCHESTER NECK ROAD, ROCHESTER, NH (603)330-2134 0

DATE: 09/07/200 TIME: 13:13-13:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 12

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

PRINT COMPANY:

ORDER NUMBER:

PRINT NAME:

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

GROSS: 107360 LBS TARE: 35500 LBS

71860 LBS = 35.93 TONS

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

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

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WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/07/2000

(603)330-2134

866147

010805

TIME: 12:50-12:51

TRUCK: 14

CUSTOMER: 217 CHARTER ENVIRONMENTAL

WEIGH

MASTER: KIM GROMYKO

HAULER:

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSEJAS

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

GROSS: 109700 LBS

TARE: 35500 LBS

NET: 74200 LBS = 37,10 TONS

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

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

PRINT COMPANY: ORDER NUMBER:	
PRINT NAME:	

21080



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURMKEY LANDFILL DIVISION

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

866148

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

STOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 28

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: DE MASSACHUSETTS

FILE: 523080 R R ROUNDHOUSE SOIL \

GEN: H229 USACDE DEVENS RSTA

GROSS: 97940 LBS

TARE: 37720 LBS the files was not under any and make the property of the same and again the conTO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 60220 LBS = 30.11 TONS OR UNACCEPTABLE WASTE

-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of jury that the information provided is true and correct to the best of my wledge and belief,

DER	NUMBER:	
ter an act	45 0 1 1 1 1 mm	

MI COMPANY:

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WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY LANDFILL DIVISION 90 ROCHESTER MECK RUAD, ROCHESTER, NA (603) 330-2134

866125

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

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

HAULER:

METGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: 02 MASSACHUSETTS

ROFILE: 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

MET: 68600 LBS = 34.30 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 mowledge and belief,

RINT COMPANY:	
TRDER NUMBER:	 Section 2

0108056

PRINT NAME:

SIGNS





WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 866124 TURNKEY LANDFILL DIVISION 90 ROCHESTER MECK ROAD, ROCHESTER, NH DATE: 09/07/200

(603) 330-2134

TIME: 12:11-12:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: EAST

WEIGH

MASTER: KIM GROMYKO

WASTER

HAULER

COVER SOIL

ORIGIN: 82 MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL . GEM: MR29 USACOE PÉVENS RSTA

GROSS: 102480 LDS TARE: 36780 LBS

TO THE BUST OF MY KHOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS NET: 65700 LBS - 32.85 TORS 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:			01088
DRINT NOME:	MICH CONTRACTOR AND A CONTRACTOR OF THE CONTRACT	SIGH:	- Andrews



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 866096 TURNKEY LANDFILL DIVISION

90 ROCHESTER MECK ROAD, ROCHESTER, NH

(603)330-2134

DATE: 09/07/200 TIME: 11:33-11

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 46

HAULER:

WEJGH

MASTER: KIM GROMYKO

WASTE:

COVER SOIL

ORIGIN: WE MASSACHUSETTS

PROFILE: 523080

R R ROUNDHOUSE SOIL : GEN: HEED USACOE DEVENS RSTA

- GROSS: 121520 LBS TARE: 35960 LBS

NET: 85560 LBS = 42.78 TONE

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

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

PRINT COMPANY:	processing the first of the second se	Ø10°
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PRINT NAME:		SIGN: J'J')



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865979 TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/07/2000 (603) 330-2134

TIME: 08:21-08:51

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: NE

WEIGH

MASTER: KIM GROMYKO

HAULER:

WASTE: COVER SOIL

ORIGIN: Ø8 MASSACHUSETTS

ROFILE: 523080 E R ROUNDHQUSE SOIL \ GEN: H229 USACUE DEVENS RSTA

GROSS: 103800 LBS TARE: 35700 LBS

NET: 68100 LBS = 34.05 TONS

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

UT-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 nowledge and belief.

RINT COMPANY: ORDER NUMBER:

PRINT NAME:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865980
TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH

(603)330-2134 6

DATE: 09/07/2000

TIME: 08:22-08:59

CUSTOMER: 217 CHARTER ENVIRONMENTAL

WEIGH

HAULER:

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: WE MASSACHUSETTS

RUFILE: 528080

R R ROUNDHOUSE SOIL \ GEN: HEES USACOE DEVENS RSTA

* GRUSS: 97160 LBS

TARE: 37720 LBS

NET: 59440 LBS = 29.72 TONS

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

TRUCK: 28

JT-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 nowledge and belief.

RINT COMPANY: RDER NUMBER:	
PRINT NAME:	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC # 865998 TURNKEY LANDFILL DIVISION

90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/07/200 (603)330-2134

TIME: 0A:30-09:

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 12

HAULER:

WEIGH

MASTER: KIM GROMYKO

WASTE: COVER SOIL

ORIGIN: DE MASSACHUSETTS

PRINT COMPANY:

PROFILE: 583000 R R ROUNDHOUSE SOIL GEN: H229 USACOE DEVENS RSTA

GROSS: 109760 LBS TARE: 35580 LBS

TO THE BEST OF MY 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.

ORDER NUMBER:		50	
PRINT NAME:	SIGN:		***



WASTE WANAGEMENT OF NEW HAMPSHIRE, INC

01080

WILLIAMKEY LANDFILL DIVISION 90 ROCHESTER NECK ROAD, ROCHESTER, NH DATE: 09/07/20

TIME: 07:55-08

CUSTOMER: 217 CHARTER ENVIRONMENTAL

TRUCK: 35

(603)330-2134

WEIGH

HAULER:

MASTER: KIM GROMYKO

WASTE: DOVER SOIL

- ORIGIN: WE MASSACHUSETTS

PROFILE: 582080 R R ROUNDHOUSE SOIL : GEN: H229 USACGE DEVENS RSTA

** \ GROSS: 106240 LBS TARE: 36240 LBS

TO THE BEST OF MY

KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS

NET: 70000 LBS = 35.00 TONS

OR UNACCEPTABLE WASTE

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

PRINT COMPANY:			0108
ORDER NUMBER:		1,	
PRINT NAME:	SIGN:	V/~	



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC

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

DATE: 09/07/2000 TIME: 07:54-08:15

. # 865965

CHARTER ENVIRONMENTAL CUSTOMER: 217

TRUCK: EAST

HAULER:

WEIGH MASTER:

WASTE:

COVER SOIL

ORIGIN: 02 MASSACHUSETTS

KIM GROMÝKO

R R ROUNDHOUSE SOIL \

GEN: H229 USACOF DEVENS RSTA

GROSS: 103560 LBS TARE: 37040 LBS

TO THE WEST OF MY KNOWLEDGE THIS TRUCK

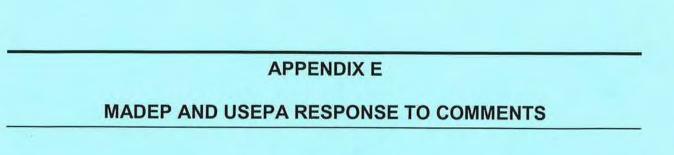
CONTAINS NO HAZARDOUS

NET: 66520 LBS = 33.26 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.

RDER NUMBER:		12	9508019
PRINT NAME:	sign:	ti-	



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	4-5	30 ppm	28.5 ppm
Lead		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. 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:

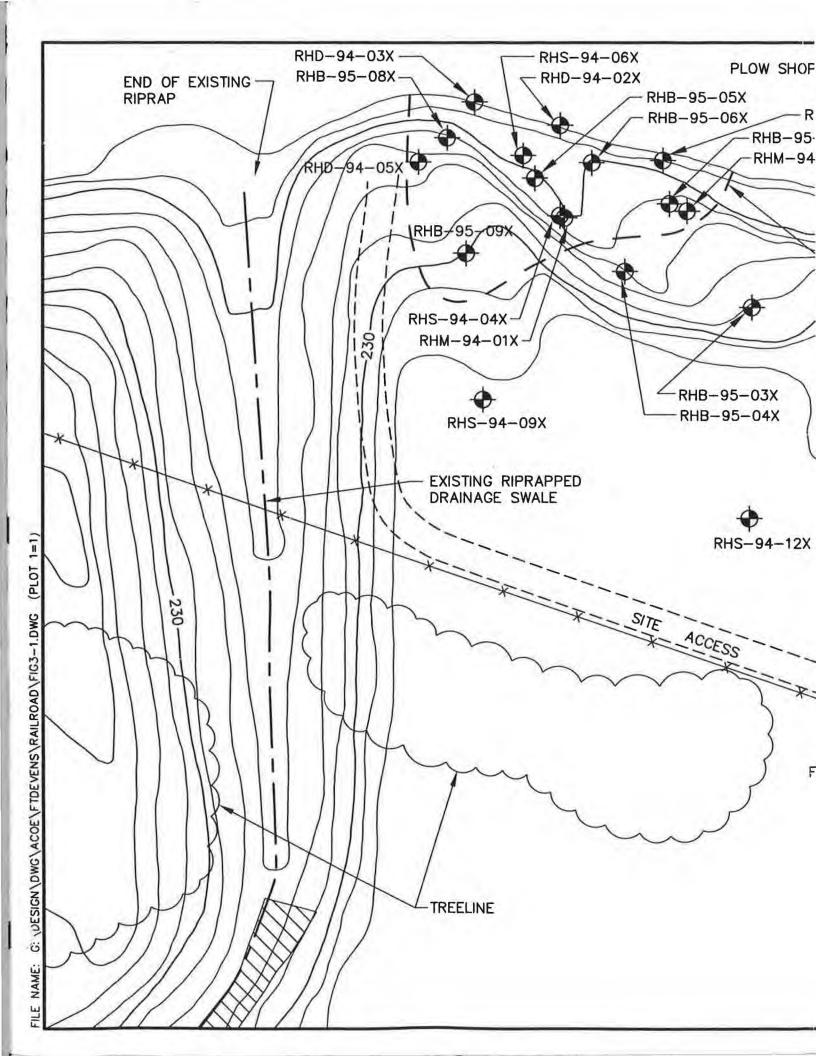
In order to investigate the extent of metals contamination in the southerly direction, two test pits (TP-1 and TP-2) were dug to a depth approximately six (6) feet below ground surface. The analytical data depicted on Table 3-2 includes two samples collected within each test pit. Samples were collected 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.

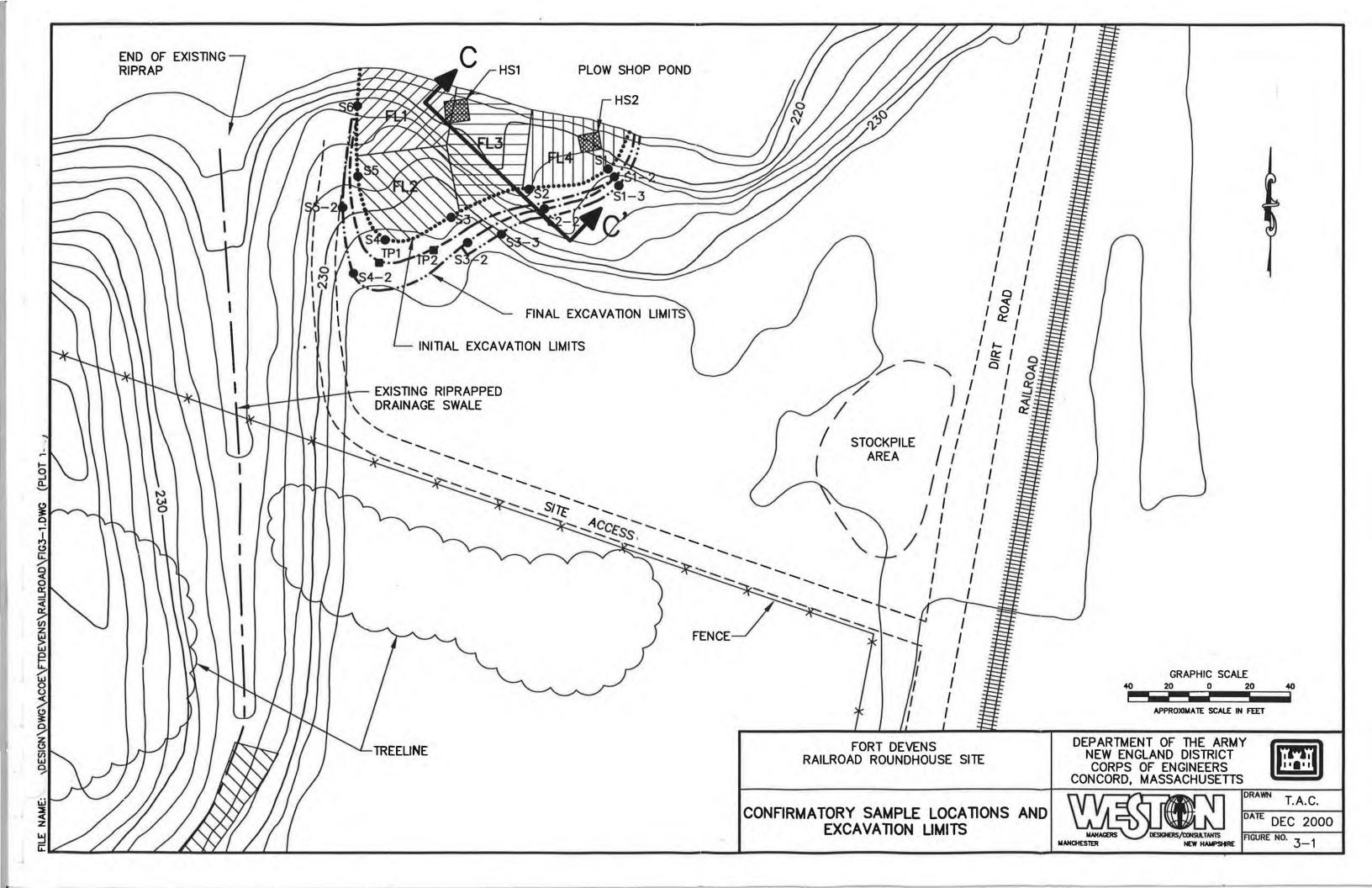
Comment 7:

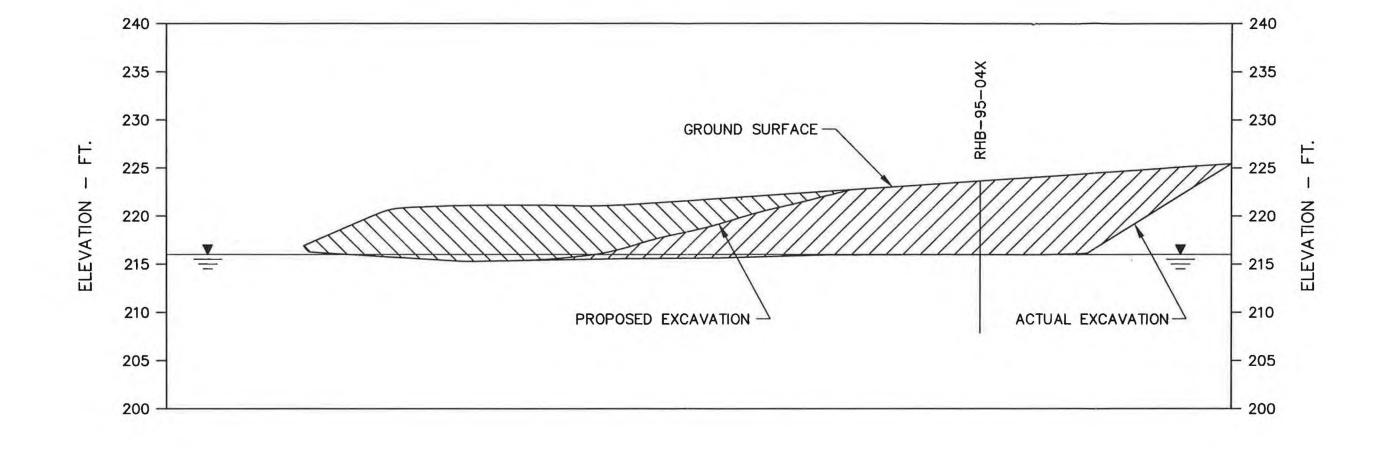
Figure # 3-1 indicates remediation sidewall sample S-32 has exceedences of the Action Memo Preliminary Remediation Goal for Antimony at 2900 ppm, Arsenic 82 ppm and Lead 19000 ppm. Following a second excavation a confirmatory sample S-33 appears to have been collected approximately 20 feet east of sample 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.







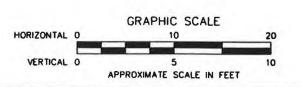
LEGEND

WATER TABLE, EL. 216 FT. (ESTIMATED)



PROPOSED EXCAVATION

ACTUAL EXCAVATION



FORT DEVENS RAILROAD ROUNDHOUSE SITE DEPARTMENT OF THE ARMY NEW ENGLAND DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS



A.J.M.

CROSS-SECTION C



SOURCE: STONE AND WEBSTER, 1999.

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