(10)

#58753

TABLE 2.3-2

PRSs 35-003(a, b, c, and n)

SUMMARY OF SAMPLES COLLECTED FOR FIXED-LABORATORY ANALYSIS[a]

LOCATION ID	SAMPLE ID	SAMPLE TYPE	DEPTH (ft)	MEDIA	VOCs	SVOCs	Inorganic Chemicals	Radionuclides
35-2295	0435-96-0030	Regular	1.5–2.5	Soil	2571	2571	2572	2573
35-2295	0435-96-0031	Regular	4–5	Soil	NA[b]	NA	NA	2573
35-2296	0435-96-0034	Regular	0–1	Soil	2639	2639	2640	2641
35-2296	0435-96-0035	Regular	3–4	Qbt3	NA	NA	NA	2641
35-2297	0435-96-0038	Regular	0–1	Soil	2639	2639	2640	2641
35-2297	0435-96-0039	Regular	2.5–3.5	Qbt3	NA	NA	NA	2641
35-2298	0435-96-0042	Regular	0–1	Soil	2837	2837	2838	2839
35-2298	0435-96-0043	Regular	4–5	Qbt3	NA	NA	NA	2839
35-2299	0435-96-0045	Regular	0–1	Soil	2837	2837	2838	2839
35-2299	0435-96-0046	Regular	3–4	Qbt3	NA	NA	NA	2839
35-2299	0435-96-0047	DUP	3–4	Soil	NA	NA	NA	2839
35-2300	0435-96-0049	Regular	0–1	Soil	2837	2837	2838	2839
35-2300	0435-96-0050	Regular	2–3	Qbt3	NA	NA	NA	2839

a. Numbers in the cells for each analytical suite are request numbers.

b. NA = Not applicable.

PRS 35-003(a)

PRS 35-003(a) was sampled on the afternoon of August 28, 1996. The prevailing climatic conditions were partly cloudy and 85°F. When the tank (TA-35-4) was removed, the material beneath the tank was observed to be dry, and radiological screening results were within background levels (Sontag, Daily Activity Log, 8/28/96). The upper sample was taken from the sand pack beneath the tank (1.5–2.5 ft below the base of the tank). The lower sample was taken from "tuff and sand pack beneath tank" (Sontag, Sample Collection Logs D35-2295-A1, -A2) (4–5 ft below the base of the tank).

PRSs 35-003(b and c)

PRSs 35-003(b and c) were sampled on September 24, 1996. The prevailing climatic conditions were partly cloudy and 65°F. The walls of the pits, after removal of the tanks, were noted to have moisture present—appearing as seepage with no flow streaks. According to D&D staff, radiological screening upon removal of the tanks (September 23, 1998) detected beta/gamma activity of about 1000 cpm on the bottom of tanks TA-35-5 and TA-35-6. Samples were collected from the backhoe bucket because the depth of the pits (about 20 ft) prohibited personnel entry.

The upper sample (0–1 ft interval) at location 35-2296 (PRS 35-003[b]) was taken from sand pack material beneath the tank and consisted of "moist coarse

Received by ER-RPF
AUG 07 1998

Los Alamos National Laboratory Environmental Restoration Program
DAILY REPORT FORM

Name LESLIE SINTAG Date 8/28/96

Position or Title FTL OU# 1129

Time 1700 PRS# 35-003(a) UCA

Field Activities:

Surveys (i.e., Geodetic, Geophysical, Radiation, etc.)

Drilling Activities: (Number and type hole drilled, type of drilling (split spoon auger, air rotary, etc. Depth completed (daily and total))

Sampling: 4/1/2/96 (Number of samples collected, types of sample media collected analyses requested)
D35-2295 A1, A2
2 soil samples collected - Analytes: RV gross α β, H3; contract lab α spec gross α β γ, Sr90. One of the two samples also analyzed for metals, SVOCs and VOCs (D35-2295-A1)

Field Monitoring Results: (Instrument reading above background, high analytical results)

~~Unexpected Events:~~ OTHER:
Sampling conducted beneath former TA-35-4 (tank removed by TA-35 D&D project) to determine potential release.
8/28/96

Los Alamos National Laboratory Environmental Restoration
DAILY ACTIVITY LOG

Date 8/28/96 Sheet 1 of 2

Technical Area 35 Operable Unit 1129

Site Work Plan 35-003(a) RCA

Signature [illegible] Title: FFR

ARRIVAL: ~~8/25/96~~ 1430 | SAFETY MTG.. 1430 | LUNCH: — | DEPARTURE. 1450

PERSONNEL and VISITORS ON SITE: (see access list dated _____)

Darrel Stafford, Leslie Santoy

SAFETY MEETING TOPICS. Bi - none observed. Chem - potential VOCs, SVOCs, metals; Rad - 90Sr, 137Cs, monitor αβγ; Phys - excavation, heavy equip, slip/trips; ESH 2-7-7890; LANL 662-4201 - modified level D per D+D RWP

MONITORING EQUIPMENT MAKE. SERIAL NUMBERS. and OWNER: Eberline ESP1 - #00 7433 LANL; Ludlum 139 #077731 - LANL; OVA #A22251 - ON1127

CALIBRATION METHOD. DATE. and TIME / EXPIRATION DATE OF CALIBRATION: Eberline by ESH-4 8/12/96 → 8/12/97. Ludlum by ESH-4 5/31/96 → 5/31/97; OVA by MFIR 10/30/95 → 10/30/96

FIELD CONDITIONS: 85° Clear - partly cloudy

PPE LEVEL (list personnel. time. and duration if upgrading): D

DELIVERY OF SAMPLES TO RAD VAN (list van location. who delivered. who accepted. and time):

RV - SMO to Adrianna Sparks by Leslie Santoy 1640.

Los Alamos National Laboratory Environmental Restoration
DAILY ACTIVITY LOG

Date: 8/28/96 Sheet 2 of 2

Technical Area 35 Operable Unit 1129

Site Work Plan 35-003(a) VCA: TSL-4

Signature USL Smith FTL

Comments:

- Tank measurements 40 cpm on ends of pipe measuring stick end = 70 cpm - used to check level (empty) + D&D reported results.
- depth of excavation ~ 13' to base below removed tank
Samples collected (from base of tank) 1½ - 2½' and 4-5'
Photos 1-7 of pit.

Sampling conducted beneath tank 4 8/26/96 TA-35-4 (35-003(a)) following D&D Project removal of tank. Material beneath tank dry - no anomalous rad screening results - within background levels.

☐ CHECK HERE IF CONTINUED ON BACK OF THIS SHEET.

Los Alamos National Laboratory Environmental Restoration
SAMPLE COLLECTION LOG

Date 8/26/96 Time (24 hr clock) 1435 Sheet 1 of 2

Technical Area 35 Operable Unit 1129

Site Work Plan Agg D; 35-003(a,b,e,u) VCA

Control No. CV: RV: 1129-96-0016 SMO: 1129-96-0017

Internal No. D35-2295-A1

Sample Loc. TSi-4 (beneath) ER-SOP 6.09

Loc ID 35-2295 Sample Type SOIL

PRS 35-003(a)

Planned Interval 0-1ft. Actual Interval 1½ - 2½'

Composite Yes ___ No ✓ Composite Type N/A

Weather 85° Partly Cloudy - Sunny Bright

Printed Name, Signature and Title of Preparer

ID	Container	Amount Collected	Preser-vative	Analyses Requested
01	poly baggie	✓	none	RVGROSSAB+RVGROSSG+RVH3
02	125 ml poly	✓	none	ISOU+ISOPU
03	125 ml poly	✓	none	GROSSAB+GROSSG+GSCAN+H3
04	125 ml poly	✓	none	SR90
05	125 ml poly	✓	none	METTAL
06	125 ml glass	✓	ice	SEMIN
07	125 ml septum amber	✓	ice	VOAGCMS

Sample IDs and Container IDs

0435-96-003001
0435-96-003002
0435-96-003003
0435-96-003004
0435-96-003005
0435-96-003006
0435-96-003007

COMMENTS* depth is from base of tank - DD2' not yet removed - sampled @ interface ~25' deep from top of PSP
Sample taken from ~~tank~~ sand prior to beneath tank
8/25/96

RAD SCREENING RESULTS: 150 CX

D35-2295-A1

Los Alamos National Laboratory Environmental Restoration
SAMPLE COLLECTION LOG

Date 8/28/96 Time (24 hr clock) 1440 Sheet 2 of 2

Technical Area 35 Operable Unit 1129

Site Work Plan Agg D; 35-003(a,b,c,n) VCA

Control No. CV: RV: 1129-96-0016 SMO: 1129-96-0017

Internal No. D35-2295-A2

Sample Loc. TSC-4 ER-SOP 6.09

Loc ID 35-2295 Sample Type SOIL

PRS 35-003(a)

Planned Interval 2-3 ft. Actual Interval 4-5 ft

Composite Yes ____ No ✓ Composite Type N/A

Weather 95° / Partly Cloudy - Sunny Bright

[signature] EFL

Printed Name, Signature and Title of Preparer

Sample IDs and Container IDs

0435-96-003101

0435-96-003102

0435-96-003103

0435-96-003104

ID	Container	Amount Collected	Preser-vative	Analyses Requested
01	poly baggie	✓	none	RVGROSSAB+RVGROSSG+RVH3
02	125 ml poly	✓	none	ISOU+ISOPU
03	125 ml poly	✓	none	GROSSAB+GROSSG+GSCAN+H3
04	125 ml poly	✓	none	SR90

COMMENTS Sample collected from backhoe bucket - otherwise used * interval from base of tank - sample collected from trench + sand pack beneath tank depth ~ 28' deep from roof of PSP

RAD SCREENING RESULTS: 230 cpm

D35-2295-A2

Los Alamos National Laborat.., Environmental Restoration

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Date 5/28/96 | Charge Code MA4X 5520 0040 | Control No. 1129-96-0018 | Page 1/1

Operable Unit 1129 | Send Lab Report To Allyn Pratt | MS J521

Technical Area 35 | Site Work Plan Agg D; 35-003(a,b,c,n) VCA

FPL Allyn Pratt | Turnaround Time 5 days | LANL Destinatio RAD VAN

FPL Phone No. 505-667-4308 | Date Lab Report Required ~~6/30/96~~ 5/6/96 | LANL Contact G.Brooks

OU Contact Felicia Aquilar

Contact Phone No 505-662-1816

Sample ID #	Cont. ID #	Date / Time Collected	Sample Container Volume/Matl	Sample Matrix	Preservative	Requested Analyte Code	REMARKS (Condition of receipt, etc.)
0435-96-0028	08		1 L poly	WATER	none	RVGROSSAB RVGROSSG RVH3	
0435-96-0030	01	5/28/96 11:35	poly baggie	SOIL	none	RVGROSSAB RVGROSSG RVH3	
0435-96-0031	01	5/28/96 11:40	poly baggie	SOIL	none	RVGROSSAB RVGROSSG RVH3	

GO 5/28/96

Relinquished by: (Signature): Affiliation:	Date: 5/28/96	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Adrianna Sparks Affiliation: SWO	Time: 16:10	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION:
(Indicate if sample(s) are hazardous materials and/or suspected to contain ...)
Radiological__ Highly Toxic✓ Flammable__ Skin Irritant__ Non-hazard__ Other_

SAMPLE DISPOSAL:
Return to client ___ Disposal by lab X Archive ___ (Months)

RAD SCREENING METHOD:

COMMENTS:

WHITE To accompany samples YELLOW Records Processing Facility PINK Field Team Leader

Los Alamos National Labora. Environmental Restoration

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Date 9/25/96 | Charge Code MA4X 5520 0040 | Control No. 1129-96-0017 | Page 1/2

Operable Unit 1129 | Send Lab Report To Allyn Pratt | MS J521

Technical Area 35 | Site Work Plan Agg D; 35-003(a,c,n) VCA

FPL Allyn Pratt | Turnaround Time 5 days 10/2/96 | LANL Destinatio CONTRACT LAB

FPL Phone No. 505-667-4308 | Date Lab Report Required ~~8/30/96~~ 9/6/96 | LANL Contact J.Miglio

OU Contact Felicia Aquilar

Contact Phone No 505-662-1816

Sample ID #	Cont. ID #	Date / Time Collected	Sample Container Volume/Mat'l	Sample Matrix	Preserva -tive	Requested Analyte Code	REMARKS (Condition of receipt, etc.)
0435-96-0028	01		500 ml poly	WATER	HNO3,pH<2	METTAL	48 9/27/96
0435-96-0028	02		1 L amber glass	WATER	Ice	SEMIVI	
0435-96-0028	03		40 ml septum amber glass	WATER	HCl Hce	VOAGCMS	
0435-96-0028	04		40 ml septum amber glass	WATER	HCl Hce	VOAGCMS	
0435-96-0028	05		1 L amber glass	WATER	HNO3,pH<2	SR90	
0435-96-0028	06		1 L poly	WATER	HNO3,pH<2	ISOU ISOPU	
0435-96-0028	07		1 L poly	WATER	HNO3,pH<2	ISOU ISOPU	
0435-96-0028	08		1 L poly	WATER	none	GROSSAB GROSSG GSCAN H3	
0435-96-0028	01		40 ml septum amber glass	WATER	HCl Hce	VOAGCMS	
0435-96-0030	02	9/25/96 11:35	125 ml poly	SOIL	none	ISOU ISOPU	
0435-96-0030	03	9/25/96 11:35	125 ml poly	SOIL	none	GROSSAB GROSSG GSCAN H3	
0435-96-0030	04	9/25/96 11:35	125 ml poly	SOIL	none	SR90	
0435-96-0030	05	9/25/96 11:35	125 ml poly	SOIL	none	METTAL	
0435-96-0030	06	9/25/96 11:35	125 ml glass	SOIL	Ice	SEMIN	
0435-96-0030	07	9/25/96 11:35	125 ml septum amber glass	SOIL	Ice	VOAGCMS	

WHITE To accompany samples YELLOW Records Processing Facility PINK Field Team Leader

Los Alamos National Labora. environmental Restoration

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Date	8/28/96	Charge Code	MA4X 5520 0040	Control No.	1129-96-0017
Page	2/2				
Operable Unit	1129	Send Lab Report To	Allyn Pratt	MS	J521
Technical Area	35	Site Work Plan	Agg D; 35-003(a,b,n) VCA		
FPL	Allyn Pratt	Turnaround Time	5 days	LANL Destinatio	CONTRACT LAB
FPL Phone No.	505-667-4398	Date Lab Report Required	6/30/96	LANL Contact	J.Miglio
OU Contact	Felicia Aguilar				
Contact Phone No	505-662-1816				

Sample ID #	Cont. ID #	Date / Time Collected	Sample Container Volume/Mat'l	Sample Matrix	Preservative	Requested Analyte Code	REMARKS (Condition of receipt, etc.)
0435-96-0031	02	8/28/96 [illegible]	125ml poly	SOIL	none	ISOU ISOPU	
0435-96-0031	03	8/28/96 [illegible]	125ml poly	SOIL	none	GROSSAB GROSSG GSCAN H3	
0435-96-0031	04	8/28/96 [illegible]	125ml poly	SOIL	none	SR90	

Relinquished by: (Signature) [illegible] Affiliation:	Date: 8/28/96	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature) [illegible] Affiliation: SMO Sparks	Time: 16:45	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION:
(Indicate if sample(s) are hazardous materials and/or suspected to contain ...)
Radiological ✓ Highly Toxic __ Flammable __ Skin Irritant __ Non-hazard __ Other __

SAMPLE DISPOSAL:
Return to client ___ Disposal by lab X Archive ___ (Months)

RAD SCREENING METHOD:

COMMENTS:

WHITE To accompany samples YELLOW Records Processing Facility PINK Field Team Leader