NOTICE

All drawings located at the end of the document.

KAISER•HILL
COMPANY

DRAFT CLOSEOUT REPORT FOR IHSS GROUPS 100-4 AND 100-5

• Environmental Restoration •
Rocky Flats Environmental Technology Site

July 2002

JUL 2002
RECEIVED
RECORDS CENTER

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

ADMIN RECORD
IA-A-001011

1/129

Best Available Copy

DRAFT CLOSEOUT REPORT FOR IHSS GROUPS 100-4 AND 100-5

June 2002

2

TABLE OF CONTENTS

1 0 INTRODUCTION 1
2 0 IHSS GROUP 100-4 3
2 1 Site Characterization 3
2 1 1 UBC 123, Radiological Health Physics Laboratory 3
2 1 2 IHSS 100-148–Waste Leaks 6
2 1 3 PAC 100-603–Bioassay Waste Spill 7
2 1 4 PAC 100-611–Building 123 Scrubber Solution Spill 7
2 1 5 Analytical Data – UBC 123 and IHSS 148 7
2 1 6 Analytical Data–PAC 100-611–Building 123 Scrubber Solution Spill 8
2 2 Accelerated Action 8
2 2 1 Removal Activities 15
2 2 2 Contaminated Soil 21
2 2 3 Confirmation Sampling 21
2 3 RCRA Unit Closure 30
2 4 Stewardship Analysis 30
2 4 1 Stewardship Requirements and Recommendations 33
2 4 2 Accelerated Action Stewardship 38
2 5 Deviations from the ER RSOP 38
2 6 Post-Remediation Conditions 38
2 6 1 UBC 123, Radiological Health Physics Laboratory 38
2 6 2 IHSS 100-148, Waste Leaks 38
2 6 3 PAC 100-603, Bioassay Waste Spill 38
2 6 4 PAC 100-611, Building 123 Scrubber Solution Spill 39
2 6 5 Residual Contamination 39
2 7 Waste Management 39
2 8 Site Reclamation 39
2 9 No Longer Representative Sampling Locations 45
2 10 Data Quality Assessment 47
2 10 1 DQO Decisions 47
2 10 2 Verification and Validation of Results 48
2 10 3 Data Quality Summary 53
3 0 IHSS GROUP 100-5 54
3 1 Site Characterization 54
3 2 Accelerated Action Description 54
3 2 1 Accelerated Action Description 60
3 3 Stewardship Analysis 61
3 3 1 Stewardship Requirements and Recommendations 61
3 4 Site Reclamation 62
3 5 Deviations from the ER RSOP 62
3 6 Post-Remediation Conditions 62
3 7 Waste Management 62

3 8 Data Quality Assessment 62
3 8 1 DQO Decisions 63
3 8 2 Verification and Validation of Results 64
3 8 3 Precision 64
3 8 4 Accuracy and Bias 64
3 8 5 Representativeness 65
3 8 6 Completeness 65
3 8 7 Comparability 66
3 8 8 Sensitivity 66
3 8 9 Summary 66
4 0 REFERENCES 67

LIST OF FIGURES

Figure 1	Location Map–IHSS Group 100-4	4
Figure 2	IHSS Group 100-4	5
Figure 3	Location of Pre-Accelerated Action Sample Results Above Detection Limits or Background Levels for IA Group 100-4	9
Figure 4	Location of Pre-Accelerated Action Sample Results Above Detection Limits or Background Levels Collected at UBC 123 (IHSS Group 100-4 in November 2000)	10
Figure 5	Characterization Sampling Locations and Results at PAC 100-611	12
Figure 6	IHSS Group 100-4–Area of Concern	14
Figure 7	OPWL and NPWL Removed	17
Figure 8	Location of Soil Stockpiles	18
Figure 9	Planned Confirmation Sampling Locations	20
Figure 10	Actual Confirmation Sampling Locations	22
Figure 11	Confirmation Sampling Results Greater Than Background Plus Two Standard Deviations or Method Detection Limits	26
Figure 12	RFCA Tier II Radionuclide Sum of Ratios	27
Figure 13	RFCA Tier II Nonradionuclide Sum of Ratios	28
Figure 14	RCRA Unit 40	31
Figure 15	RCRA Unit 40 Pipeline Removed and Left in Place	32
Figure 16	Residual Contamination at IHSS Group 100-4	37
Figure 17	Pipelines Left in Place	40
Figure 18	No Longer Representative Sampling Locations at IHSS Group 100-4	46
Figure 19	IHSS Group 100-5 Area of Concern	57
Figure 20	Sampling Results Greater Than Method Detection Limits at IHSS Group 100-5	58
Figure 21	RFCA Tier II Nonradionuclide Sum of Ratios for IHSS Group 100-5	59

5

LIST OF TABLES

Table 1	PAC 100-611–Characterization Sampling Specifications	11
Table 2	PAC 100-611–Characterization Data	13
Table 3	Dates of Accelerated Action Activities	15
Table 4	Process Waste Line Summary	19
Table 5	IHSS Group 100-4–Confirmation Sampling Specifications	23
Table 6	Confirmation Sampling Results Greater Than Background Plus Two Standard Deviations or Method Detection Limits	25
Table 7	RFCA Tier II Sum of Ratios	29
Table 8	Residual Contamination at IHSS Group 100-4	34
Table 9	Waste Characterization Summary	41
Table 10	Waste Characterization Data Summary–Detected Analytes	44
Table 11	No Longer Representative Sampling Locations	45
Table 12	IHSS Group 100-4–Sample Completeness Summary	51
Table 13	IHSS Group 100-4 – Verification & Validation for Electronic Data Deliverable Records	52
Table 14	Analytes with Detection Limits Exceeding Tier I Action Levels	53
Table 15	Analytes with Detection Limits Exceeding Tier II Action Levels	53
Table 16	IHSS Group 100-5, PAC 100-609–Characterization Sampling Specifications	55
Table 17	IHSS Group 100-5, PAC 100-611–Characterization Data Summary	56
Table 18	IHSS Group 100-5–Toxicity Equivalent Comparison	60
Table 19	Dates and Duration of Accelerated Action Activities	60
Table 20	IHSS Group 100-5–Sampling	63
Table 21	IHSS Group 100-5–Sample Completeness Summary	65
Table 22	IHSS Group 100-5–Summary of Validated Records	66

LIST OF APPENDICES

Appendix A – Project Photographs
Appendix B – Analytical Data
Appendix C – Correspondence

ACRONYMS

ACM	asbestos containing material
AL	action level
AOC	Area of Concern
AR	Administrative Record
CAB	cost advantage box
CEARP	Comprehensive Environmental Assessment and Response Program
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
CPIR	Contingency Plan Implementation Report
CRA	Comprehensive Risk Assessment
D&D	Decontamination and Decommissioning
DL	detection limit
DOE	U S Department of Energy
DQA	Data Quality Assessment
DQO	Data Quality Objective
EDD	electronic data deliverable
EPA	U S Environmental Protection Agency
ER	Environmental Restoration
ER RSOP	Environmental Restoration RFCA Standard Operating Procedure
GPS	Global Positioning System
HDD	Horizontal Directional Drilling
IA	Industrial Area
IASAP	Industrial Area Sampling and Analysis Plan
IHSS	Individual Hazardous Substance Site
K-H	Kaiser-Hill Company L L C
lbs	pounds
LCS	laboratory control sample
LD	laboratory duplicate
LLMW	low-level mixed waste
LLW	low-level waste
MDA	Minimum Detectable Activity
MDL	method detection limit
mg/kg	milligrams per kilogram
MH	manhole
MS	matrix spike
MSD	matrix spike duplicate
NA	not applicable
NCR	no carbon required
ND	not detected
NFA	No Further Action
NLR	No Longer Representative

7

NPWL	New Process Waste Lines
NTS	Nevada Test Site
OPWL	Original Process Waste Lines
OU	Operable Unit
PAC	Potential Area of Concern
PAM	Proposed Action Memorandum
PARCCS	precision, accuracy, representativeness, completeness, comparability, and sensitivity
PCB	polychlorinated biphenyl
pCi/g	picocuries per gram
PCOC	potential contaminant of concern
pg/g	picograms per gram
ppb	parts per billion
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RFCA	Rocky Flats Cleanup Agreement
RFETS	Rocky Flats Environmental Technology Site
RI	Remedial Investigation
RISS	Remediation, Industrial D&D, & Site Services
RL	Recoverable Limit
RMRS	Rocky Mountain Remediation Services
RPD	relative percent difference
RQL	required quantitation limit
RSOP	RFCA Standard Operating Procedure
SAP	Sampling and Analysis Plan
Site	Rocky Flats Environmental Technology Site
SOR	Sum of Ratio
SVOC	semivolatile organic compound
TEF	toxicity equivalent factor
TEQ	toxicity equivalents
UBC	Under Building Contamination
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
VOC	volatile organic compound
V&V	verification and validation

8

1.0 INTRODUCTION

This closeout report summarizes characterization and accelerated action activities conducted at Individual Hazardous Substance Site (IHSS) Groups 100-4 and 100-5 at the Rocky Flats Environmental Technology Site (RFETS or Site) in Golden, Colorado Accelerated action activities were planned and executed in accordance with the Industrial Area (IA) Sampling and Analysis Plan (SAP) (DOE 2001a), IASAP Addendum #IA-02-01 (DOE 2001b), and the Environmental Restoration (ER) Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (RSOP) for Routine Soil Remediation (ER RSOP) (DOE 2002a) Notification of the planned activities was provided in ER RSOP Notification #02-01 (DOE 2002b), which was approved by the Colorado Department of Public Health and Environment (CDPHE) on January 16, 2002 (CDPHE 2002)

This report contains the information necessary to demonstrate attainment of cleanup objectives and final closure of IHSS Groups 100-4 and 100-5 This information includes

- Site Characterization Information
  - Description of site characterization activities, and
  - Site characterization data, including data tables and maps,
- Site Accelerated Action Information
  - Description of the accelerated action, including the rational for the action and map of the target remediation area,
  - Map of the actual remediation area, including bounds of the excavation, and dates and durations of specific remedial activities,
  - Description of Resource Conservation and Recovery Act (RCRA) unit closure activities,
  - Description of deviations from the ER RSOP,
  - Confirmation sampling data, including data tables and location maps, as well as a comparison of the confirmation data to applicable cleanup goals,
  - Photographs documenting site characterization, remediation, and reclamation activities,
- Description of near-term stewardship actions and long-term stewardship recommendations,
- Description of site condition after remediation that includes a map of residual contamination above background plus two standard deviations, method detection limits (MDLs), and Tier II Action Levels (ALs),
- Final disposition of wastes,
- Data quality assessment (DQA), including comparison of confirmation data with project data quality objectives (DQOs), and

9

- Table of No Longer Representative (NLR) locations and sample numbers that have been remediated These data will be used to mark database records so they are not used in the Comprehensive Risk Assessment (CRA) or other Site analyses

10

2.0 IHSS GROUP 100-4

IHSS Group 100-4 consists of the following IHSSs, Under Building Contamination (UBC) sites, and Potential Areas of Concern (PACs)

- UBC 123, Radiological Health Physics Laboratory,
- IHSS 100-148, Waste Leaks,
- PAC 100-603, Bioassay Waste Spill, and
- PAC 100-611, Building 123 Scrubber Solution Spill

The location of IHSS Group 100-4 is shown on Figure 1, and the IHSSs, PACs, and UBC sites are shown on Figure 2

2.1 Site Characterization

IHSS Group 100-4 characterization information consists of historical knowledge and previously collected analytical data Historical information for each IHSS, PAC, and UBC is presented below IHSS Group 100-4 analytical data is presented in Section 2 1 5

2.1.1 UBC 123, Radiological Health Physics Laboratory

Building 123 was located on Central Avenue, between Third and Fourth Streets The original building was constructed in 1953, with additions completed in 1968, 1972, and 1974 Building 123 housed the Site's Radiological Health Physics Laboratory, where water, biological materials, soil, air, and filter samples were analyzed for the presence of plutonium, americium, uranium, alpha, beta, and gamma radiation, tritium, beryllium, and organic constituents In addition, personnel radiation badges were counted and repaired in Building 123 Radioactive sources, including cesium, were stored in a below-grade concrete pit Low-level liquid and chemical wastes were generated and transferred to onsite treatment systems via the process waste transfer and collection system (DOE 1992) Portions of RCRA Unit 40, including sumps and pipes, were part of UBC 123 Some of the underground process waste lines associated with Building 123 were abandoned in place and plugged with cement in 1982 (i e , Original Process Waste Lines [OPWL]), while others remained in active use until laboratory operations were suspended in preparation for facility decommissioning (e g , New Process Waste Lines [NPWL]) The process waste lines are shown on Figure 2

Building 123 was decommissioned in 1998 in accordance with the Proposed Action Memorandum (PAM) for the Decommissioning of Building 123 (RMRS 1998a) At that time, the building structure along with the aboveground portions of the process waste system were removed and the floor slab was sampled to assess areas of potential contamination Contaminated portions of the slab that could not be decontaminated to meet the applicable unrestricted release criteria were encapsulated with epoxy paint to fix removable contamination and covered with steel plate In addition, the underground sumps, pipe chases, and the process waste lines that ran from Room 156, through Rooms 157 and 158, to Valve Vault 18, were clean closed in place in accordance with the Closure Plan for the Building 123 Components of RCRA

Unit 40 (RMRS 1997) Partial closure was certified by a Colorado-registered professional engineer on May 28, 1998 (RMRS 1998b) A contaminated sump, located in Room 125, was removed during decommissioning Final disposition of the building slab, underground sumps, process waste lines (including the abandoned lines), and source pits was deferred to the ER Program

2.1.2 IHSS 100-148–Waste Leaks

The eastern wing of Building 123 is encompassed by IHSS 148 Persons interviewed for the Comprehensive Environmental Assessment and Response Program (CEARP) Phase 1 document indicated that several small spills of nitrate-bearing wastes occurred around the outside of Building 123 These wastes may have contained radionuclides Additionally, interviewees indicated that there were potential releases of nitrate-bearing wastes from the OPWL buried beneath Building 123 This pipeline was in use from the start of operations in Building 123 until the OPWL were replaced by the NPWL

Building 123 was serviced by a 4-inch-diameter process waste line (P-1) buried beneath the north and east wings of the building The main process waste line drained from west to east in the north wing, and from north to south in the east wing The pipe was sloped at 1 percent A number of connections were made to the main pipe, some of which consisted of headers servicing process waste drains in the building The pipe was probably constructed of a type of iron called "Duriron " The OPWL piping from Building 123 led to an underground tank system behind Building 441 that collected wastes generated by both Buildings 123 and 441 From this tank system, the process waste materials were pumped out for treatment in the process waste system (DOE 1992)

The OPWL drain was not double-contained, and it varied in depth from approximately 0 5 to 3 0 ft beneath the concrete floor of Building 123 The line came out from beneath the southern end of the east wing of the building, with an invert elevation of approximately 6,032 5 feet Interviewees have stated that this line may have leaked without personnel being aware of it The types of waste consisted of laboratory wastes from analysis of urine, fecal, and other bioassay samples Nitrates and low levels of radionuclides were associated with the wastes carried in the OPWL The NPWL that replaced the OPWL consisted of either double-contained underground or overhead lines (DOE 2000b)

Surface soil samples were collected and analyzed as part of the Operable Unit (OU 13) RCRA Facility Investigation/Remedial Investigation (RFI/RI) Thirty-four analytes were detected in the surface soil samples, including 26 inorganic compounds and 8 radionuclides Eleven analytes exceeded background concentrations at a minimum of one sampling location throughout IHSS 148 Constituents that exceeded background concentrations were chromium, cobalt, copper, lead, nickel, strontium, zinc, americium-241, plutonium-239/240, uranium-233/234, and uranium-238 These data are available in the IA Data Summary Report (DOE 2000a)

Previously, a soil gas survey was conducted on a 25-foot grid and samples were analyzed in the field using gas chromatography/mass spectrometry Sixty-four soil gas locations were sampled, and 13 samples contained volatile organic compounds (VOC) levels in excess of the 1microgram per liter (µg/L) method detection limit (MDL) Benzene, toluene, ethylbenzene, xylene, and fuel constituents were detected in samples collected from the perimeter of Building 123 and within the east and west wings of the building Trichlorofluoromethane was detected in nine samples

14

distributed throughout the IHSS 148 area at levels up to 2 6 µg/L Tetrachloroethene was detected at 1 5 µg/L in a sample collected east of Building 123

Unconfirmed reports of contaminant spills were indicated in interviews with building employees In the late 1960s or early 1970s, a cesium-contaminated liquid was reportedly spilled on the concrete floor in Room 109 The floor was immediately sealed to immobilize the contamination Room 109 also contained source storage pits Undocumented thorium research was performed in Room 105 Scoping surveys conducted in May through July 1997 revealed elevated levels of radioactivity in both Rooms 105 and 109 In-situ gamma spectroscopic measurements performed in August 1997 indicated the presence of cesium-137 and thorium-232 in Rooms 109 and 105, respectively (RMRS 1998c)

2.1.3 PAC 100-603–Bioassay Waste Spill

PAC 100-603 was approved as a No Further Action (NFA) site in 2002 (CDPHE 2002) A description of this PAC is contained in the Annual Update for the Historical Release Report (DOE 2001c)

2.1.4 PAC 100-611–Building 123 Scrubber Solution Spill

An inoperative pump in the Building 123 process waste transfer system caused the Building 123 scrubber system to overflow, spilling scrubbing solution into a bermed area outside of the building and into three pits beneath the floor of the building Also, approximately 5 gallons of liquid were present in and around a nearby storm water drainage ditch that served the Building 123 parking lot It was speculated that this liquid leaked from the berm wall interface with the underlying asphalt The 5 gallons of liquid in the parking lot drainage ditch did not react when sodium bicarbonate was applied, indicating it was not acidic and therefore, was not the scrubbing solution All of the spilled solution was contained within secondary containment structures, and none of the solution was believed to have impacted the environment (DOE 1992)

Under normal operating conditions, the scrubbing solution drained into the process waste system when the scrubbing process was completed The source of the problem was waste pump switches that were in the wrong position as well as the influent valve that was blocked by glass filtering wool from Building 123 The scrubbing solution consisted primarily of water, which was used to scrub HNO_3, hydrofluoric acid, and hydrochloric acid used in Building 123

Approximately 50 gallons were released to the bermed area, and several hundred gallons were contained in the three pits beneath the Building 123 floor Analyses showed the solution in the bermed area had a pH of 1 6, while the solution in the three pits had a pH of 6 0 (DOE 1992)

Normal scrubbing solution drainage was restored when the glass wool material was cleared and the inoperative process waste pump was restarted A submersible pump was used to transfer the scrubbing solution from the bermed area to process waste drains in Building 123 Measures were proposed to prevent subsequent buildup of glass wool in the process waste system A Resource Conservation and Recovery Act (RCRA) Contingency Plan Implementation Report (CPIR) (89-019) was written (DOE 1992)

2.1.5 Analytical Data – UBC 123 and IHSS 148

As described in IASAP Addendum #IA-02-01 (DOE 2001b), potential contaminants of concern (PCOCs) at UBC 123 and IHSS 148 were determined based on data collected during the characterization of UBC 123, as summarized in the Final Data Summary Report for the

15

Characterization of UBCs 123 and 886 (DOE 2001d), and data collected during previous studies (DOE 2001a, DOE 2000) These pre-accelerated action data, greater than background plus two standard deviations or MDLs, along with RFCA Tier I and Tier II AL values are shown on Figures 3 and 4 Because a sufficient number of samples were collected during previous studies to characterize UBC 123 and IHSS 148, additional characterization was not required at these sites Results from previous sampling and analysis of surface and subsurface soils at UBC 123 and IHSS 148 indicated that

- Lead was detected in subsurface soils above the Tier I AL at one location,
- The organics 2-4 dinitrotoluene and n-nitroso-di-n-propylamine, were detected above the RFCA Tier I Sum of Ratio (SOR) in surface soil at one location,
- Radionuclides and metals were detected at concentrations above background plus two standard deviations at UBC 123 and IHSS 148,
- Arsenic exceeding the Tier II AL but below background was detected at one location in surface soil,
- Beryllium exceeding the Tier II AL was detected at one location in surface soil, and
- Methylene chloride was detected in subsurface soil at levels slightly above the RFCA Tier II AL

2.1.6 Analytical Data–PAC 100-611–Building 123 Scrubber Solution Spill

PAC 100-611 was not characterized prior to this accelerated action Characterization sampling locations and specifications for PAC 100-611 were described in IASAP Addendum #IA-02-01 (DOE 2001b) The sampling specifications for the five characterization samples collected and analyzed for pH are listed in Table 1 The location of these samples and analytical results are shown on Figure 5 Analytical results are presented in Table 2

2.2 Accelerated Action

The Area of Concern (AOC), shown on Figure 6, was determined based on analytical results from pre-accelerated action studies (DOE 2000b, DOE 2001a, and DOE 2001c) described in Section 2 1 5 The AOC is defined as the area with a concentration of contaminants greater than background plus two standard deviations or MDLs The AOC map also illustrates the limits of RFCA Tier II and Tier I exceedances As shown on Figure 6 the Tier I SOR was exceeded (was greater than 1) at two locations At the first location, near the north-central portion of the slab, subsurface soil lead concentrations were elevated at approximately one foot beneath the slab At the second location, adjacent to the southwest corner of the slab, surface soil semivolatile organic compounds (SVOCs) concentrations were elevated

16

THIS TARGET SHEET REPRESENTS AN OVER-SIZED MAP / PLATE FOR THIS DOCUMENT

Draft Closeout Report for IHSS Groups 100-4 and 100-5
June/July 2002

Figure 4:
Location of Pre-Accelerated Action Sample Results Above Detection Limits or Background Levels Collected at UBC 123 (IA Group 100-4) in November 2000

November 16, 2001

Map ID: posting-02.apr

CERCLA Administrative Record document, IA - A - 001011

U S DEPARTEMENT OF ENERGY
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

GOLDEN, COLORADO

18

Table 1
PAC 100-611–Characterization Sampling Specifications

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval (ft)	Analyte	Laboratory Method
100-4	PAC 100-611 – Building 123 Scrubber Solution Spill	BU38-0010	2081738 50	749033 50	Surface Soil	0'- 5'	pH	9045
		BU38-0012	2081723 92	749042 34	Surface Soil	0'- 5'	pH	9045
		BU38-0013	2081731 33	749042 66	Surface Soil	0'- 5'	pH	9045
		BU38-0014	2081727 14	749039 11	Surface Soil	0'- 5'	pH	9045
		BU38-0015	2081723 59	749036 53	Surface Soil	0'- 5'	pH	9045

/9

Table 2
PAC 100-611–Characterization Data

IHSS Group	IHSS/PAC/UBC Site	Location Code	Analyte	Result (S.A.)	MDL	Background Plus Two Standard Deviations	Tier II AL	Tier I AL
100-4	PAC 100-611 – Building 123 Scrubber Solution Spill	BU38-0010	pH	8 4	NA	NA	NA	NA
		BU38-0012	pH	8 8	NA	NA	NA	NA
		BU38-0013	pH	8 8	NA	NA	NA	NA
		BU38-0014	pH	8 7	NA	NA	NA	NA
		BU38-0015	pH	8 8	NA	NA	NA	NA

NA Not Applicable

Based on these data, accelerated action objectives were developed and described in ER RSOP Notification #02-01 (DOE 2002b) The accelerated action objectives for IHSS Group 100-4 included the following

- Remove the Building 123 slab, footers, source pits, and manholes and, if appropriate, recycle in accordance with the RSOP for Recycling Concrete (DOE 1999a),
- Remove the below-grade sumps and process waste lines to Valve Vault 18,
- Remove soil with contaminant concentrations greater than RFCA Tier I ALs, and
- Collect confirmation samples in accordance with the IASAP (DOE 2001a)

Remediation activities were conducted between January 29 and April 18, 2002 Start and end dates of significant activities are listed in Table 3

Table 3
Dates of Accelerated Action Activities

Activity	Start Date	End Date	Duration
Characterization Sampling at PAC 100-611	February 5, 2002	February 5, 2002	1 Day
Removal Activities	January 31, 2002	April 2, 2002	61 Days
Backfill Excavations	February 15, 2002	April 4, 2002	49 Days
Reseed	April 18, 2002	April 18, 2002	1 Day

Photographs of site activities are provided in Appendix A

2.2.1 Removal Activities

All accelerated action objectives were achieved Removal activities are described below

Building 123 Slab, Footers, Source Pits, and Manholes

The Building 123 slab was broken up and removed using an excavator with a hydraulic hammer and bucket/thumb attachment (Photograph 1, Appendix A) As the concrete slab was excavated, the underneath side of the concrete was scanned with an NE Electra to determine if radionuclides were present Additionally eight samples were collected from the concrete for waste characterization Analytical results are presented in the Waste Management Section Concrete that was not contaminated was recycled in accordance with the, RSOP for Recycling Concrete (DOE 1999a) Concrete that was determined contaminated or with known fixed contamination was removed and will be transported to the Nevada Test Site (NTS) for disposal as low-level waste (LLW)

Concrete building footers (Photograph 2, Appendix A) were excavated and scanned with an NE Electra to determine if radionuclides were present Concrete was recycled in accordance with the RSOP for Recycling Concrete (DOE 1999a)

The 18-foot-long cesium-137 source well (Photographs 3 and 4, Appendix A) was removed The source well piping consisted of 18-inch diameter corrugated steel pipe with a slightly smaller

23

diameter stainless steel liner pipe A stainless steel bottom was welded to the bottom of the corrugated pipe The source well appeared to be filled with concrete It was excavated in one piece and no significant corrosion was observed on the corrugated pipe surface No contamination was observed on the pipe surface or on the bottom of the pipe Positive analytical results are presented in the Waste Management Section and all analytical data is presented in Appendix B Groundwater was observed approximately 5 feet below the top of the pipe This groundwater was not sampled The source well was packaged and will be transported to NTS for disposal as LLW

Once removed, samples were collected from soil beneath the bottom of the source well pipe and from soil adhered to the bottom of the pipe for radionuclide analyses All results were less than RFCA Tier II ALs The source well was backfilled with the excavated sand (Photograph 5, Appendix A) Samples were also collected from the stockpile of sand removed from around the pipe Because of the depth of the source well excavation (approximately 20 feet) and associated hazards and weather issues, the excavation was immediately backfilled following sampling of the excavation (Appendix A, Photograph 5)

Manhole (MH)-1 and MH-2 (Appendix A, Photograph 6), and the approximately 5'x5' concrete slabs beneath the manholes were excavated Soil samples were collected from beneath the manhole slab and are presented in Section 2 2 3, Confirmation Sampling The concrete manholes and slabs were packaged and will be transported to NTS for disposal as LLW

Sumps And Process Waste Lines

Sumps, OPWL, and NPWL in IHSS Group 100-4 are shown on Figure 2 and Photographs 8 through 12 in Appendix A Accelerated action objectives were to remove all sumps and process waste lines within the AOC Sumps located in the former Rooms 156, 157, and 158 were removed along with more than 1 foot of soil around and beneath the sumps Pipelines between former Rooms 156 and 157 sump locations and more than 1 foot of soil around and beneath the pipelines were excavated Additionally, approximately 40 feet of associated 4-inch-diameter stainless steel pipeline was excavated Contamination was not detected on sumps or associated pipeline. Confirmation samples were collected from beneath each sump location, and one confirmation sample was collected in the pipeline trench between the Room 156 and 157 sump locations Sumps were packaged and will be transported to NTS for disposal as LLW

OPWL and NPWL in IHSS Group 100-4 were excavated and removed Figure 7 shows the extent of pipeline removed, pipeline left in place, and pipeline not found Two pipeline segments were left in place because of logistical constraints The pipeline ends were grouted with Sika Grout 212 These pipelines will be addressed when IHSS 121 (OPWL) and PAC 000-504 (NPWL) are addressed Pipelines were packaged and will be transported to NTS for disposal as LLW

Overburden was excavated and stockpiled near the pipeline excavations Figure 8 shows the location of soil piles As pipeline was removed, it was evaluated to determine wether there were cracks or other evidence of potential leaks

24

While pipeline removal was routine, there were several unexpected events

- At the time of removal, liquid drained from a 4-foot section of the east-west section of P-2, located beneath the former Room 112 (northwestern section of Building 123) The liquid was released when the cast iron pipe broke during removal The excavation was stopped in this area, and samples of the liquid and soil beneath the liquid were collected No contamination was detected on the removed pipe or in the liquid Approximately 1 gallon of liquid was standing in the sand bedding beneath the pipe (Photograph 13, Appendix A) No other liquid was encountered during removal of the east-west section of P-2 pipe

- Excavation of overburden soil above approximately 35 feet in length of the B123 P-1 process waste pipe extending east from MH-1 (Figure 9) was stopped when it was determined that, if continued, the trench would be in close proximity to a known underground communications line in this area Excavation was continued after evaluation determined it was safe to proceed

- Two 10-foot sections of steam piping with asbestos-containing insulation were found beneath the northeastern section of the slab, removed, and packaged by an asbestos abatement contractor

- Unanticipated pipeline was found beneath the northern section of the slab, south of the sumps and removed

During process waste line removal, pipelines were evaluated to determine the condition of the pipeline Table 4 summarizes the pipelines and their condition Confirmation sampling analytical data is presented in Section 2 2 3

Table 4
Process Waste Line Summary

Pipeline Number	Composition	Leaks/Breaks	Photograph Number
P-1 NPWL (1989)	Fiber Reinforced	No breaks, leaks, or staining	14
P-1 OPWL (1972)	Stainless Steel	No breaks, leaks, or staining	14
P-2 (1952)	Cast Iron	No breaks, leaks, or staining	7 and 15

27

2.2.2 Contaminated Soil

An approximately 4x4x4-foot section of subsurface lead-contaminated soil (Figure 6 and Photographs 16 and 17 in Appendix A) was excavated An approximately 5x5x3-foot section of SVOC-contaminated soil (Figure 6) was excavated Soil was packaged and will be shipped to Envirocare as low-level mixed waste (LLMW)

2.2.3 Confirmation Sampling

Confirmation sampling and analysis was conducted, after excavation and before backfilling, to verify accelerated action goals Planned confirmation sampling locations were developed as part of the consultative process and are shown on Figure 9 Locations of collected confirmation samples are shown on Figure 10 Several confirmation sampling locations were changed because of the following

- Pipeline was not found at that location, and
- Pipeline was found at locations not previously mapped

Table 5 summarizes the analytes that were obtained from each sampling location Only one location, BU38-0009, was sampled for organics This location corresponds to the area where the RFCA Tier I SOR for SVOCs was greater than 1 in surface soil Metals were analyzed at locations BU39-0006, -0007, -0008, -0012, and -0013 where lead concentrations were greater than RFCA Tier I ALs Radionuclides were analyzed at all other locations associated with the process waste line, sump, and source pit excavations

Confirmation sampling results indicate that all contaminant concentrations are less than RFCA Tier II ALs Results of the confirmation sampling are shown on Figure 11 and detailed in Table 6 Figure 11 and Table 6 present confirmation sampling results that are greater than background plus two standard deviations or MDLs along with RFCA Tier I and Tier II ALs for reference The complete data set is in Appendix B

SOR calculations were based on the following list of contaminants of concern (COCs)

- Radionuclides (americium-241, plutonium-239/240, uranium-234, uranium-235, and uranium-238),
- Metals (arsenic, copper, mercury, lead), and
- Organics (SVOCs)

The COCs are based on characterization data that exceed background plus two standard deviations or MDLs Metals and organics were grouped together for nonradionuclide SOR calculations Plutonium, americium, and uranium were grouped together for radionuclide SOR calculations Tier II SOR calculations for radionuclides and nonradionuclides are presented on Figures 12 and 13, respectively As shown, all locations are less than the threshold value of 1 Table 7 lists the confirmation sampling RFCA Tier II SORs

Table 5
IHSS Group 100-4–Confirmation Sampling Specifications

IHSS Group	IHSS/PAC/UBC Site	Sampling Location	Easting	Northing	Media	Depth Interval (feet)	Analyte	Laboratory Method	Comments
100-4	UBC 123 – Radiological Health Physics Laboratory IHSS 100-148 – Waste Leaks	BU38-0002	2081729 02	749039 10	Subsurface Soil	8 0	Radionulcides	Alpha Spec	Manhole 2
		BU38-0003	2081656 21	749038 61	Subsurface Soil	7 0	Radionuclides	Alpha Spec	
		BU38-0004	2081652 69	749068 93	Subsurface Soil	5 0	Radionulcides	Gamma Spec Alpha Spec	
		BU38-0005	2081653 59	749089 94	Subsurface Soil	5 0	Radionuclides	Alpha Spec	Southwestern Sump
		BU38-0006	2081653 59	749103 45	Subsurface Soil	5 0	Radionuclides	Alpha Spec	Western Sump
		BU38-0007	2081653 59	749145 41	Subsurface Soil	5 0	Radionuclides	Alpha Spec	Northern Sump on Western Side
		BU38-0008	2081653 59	749124 00	Subsurface Soil	5 0	Radionuclides	Alpha Spec	West Process Line
		BU38-0009	2081608 1	749065 5	Subsurface Soil	2 0	SVOCs	8270	
		BU39-0001	2081695 58	749213 15	Surface Soil	0 0–0 5	Radionulcides	Alpha Spec	
		BU39-0003	2081642 68	749195 15	Subsurface Soil	2 0	Radionulcides	Alpha Spec	West Point Northern Pad Process Line
		BU39-0004	2081676 72	749194 75	Subsurface Soil	2 0	Radionulcides	Alpha Spec	Center Process Line on Northern Pad
		BU39-0005	2081682 58	749184 90	Subsurface Soil	2 0	Radionulcides	Alpha Spec	Southern Process Line on Northern Pad
		BU39-0006	2081698 67	749220 80	Subsurface Soil	4 0	Metals	6010	Lead Area Excavation Bottom Center
		BU39-0007	2081700 67	749218 80	Subsurface Soil	4 0	Metals	6010	Lead Area Excavation East Side Wall
		BU39-0008	2081696 67	749218 80	Subsurface Soil	4 0	Metals	6010	Lead Area Excavation South Side Wall
		BU39-0011	2081729 47	749164 49	Subsurface Soil	2 0	Radionulcides	Gamma Spec Alpha Spec	Northern Trench on Eastern Slab, West Side of Trench

31

IHSS Group	IHSS/PAC/UBC Site	Sampling Location	Easting	Northing	Media	Depth Interval (feet)	Analyte	Laboratory Method	Comments
		BU39-0012	2081696 67	749222 80	Subsurface Soil	4 0	Metals	6010	Lead Area Excavation West Side Wall
		BU39-0013	2081731 33	749042 66	Subsurface Soil	4 0	Metals	6010	Lead Area Excavation North Side Wall
		BV39-0003	2081753 57	749164 40	Subsurface Soil	2 0	Radionulcides	Gamma Spec Alpha Spec	Northern Trench on East Slab, East Side of Trench
		Central pt on S PWL	2081676 505	749035 331	Subsurface Soil	5 0	Metals Radionulcides	6010 Alpha Spec	
		Eastern Process Line (BU38-0001)	2081730 80	749131 89	Subsurface Soil	5 0 (approximate)	Radionulcides	Alpha Spec	
		Northern Process Line	In-Process Sample	In-Process Sample	Subsurface Soil	0 0-1 5	Metals Radionulcides	6010 Alpha Spec	
		Source Pit (BU39-0002)	2081621 13 (estimated)	749189 52 (estimated)	Subsurface Soil	18 0	Metals Radionulcides	6010 Alpha Spec	
		Southeast Slab	2081748 236	749059 106	Concrete	0 0	Radionuclides	Gamma Spec	

Table 6
Confirmation Sampling Results Greater Than Background Plus Two Standard Deviations or Method Detection Limits

IHSS Group	IHSS/PAC/UBC Site	Location Code	Analyte	Result (pCi/g)	Background Plus Two Standard Deviations (pCi/g)	Tier II AL (pCi/g)	Tier I AL (pCi/g)
100-4	UBC 123 – Radiological Health Physics Laboratory IHSS 100-148 – Waste Leaks	BU38-0002	Uranium-238	1 66	1 49	506 00	103 00
		BU38-0002	Uranium-238	1 66	1 49	506 00	103 00
		BU38-0004	Uranium-235	0 20	0 12	113 00	24 00
			Uranium-238	1 68	1 49	506 00	103 00
		BU38-0005	Americium-241	0 05	0 02	209 00	38 00
		BU39-0001	Uranium-238	3 03	1 49	506 00	103 00
		BU39-0004	Americium-241	0 08	0 02	209 00	38 00
		BU39-0011	Uranium-238	3 09	1 49	506 00	103 00
		BV39-0003	Uranium-235	0 30	0 12	113 00	24 00
			Uranium-235	0 23	0 12	113 00	24 00
			Uranium-238	3 70	1 49	506 00	103 00
			Uranium-238	5 06	1 49	506 00	103 00
		Central Point on Southern PWL	Uranium-238	1 55	1 49	506 00	103 00
		Eastern Process Line	Americium-241	0 13	0 02	209 00	38 00
			Plutonium-239/240	0 06	0 02	1,088 00	252 00
			Uranium-238	2 47	1 49	506 00	103 00
		Northern Process Line	Plutonium-239/240	0 11	0 02	1,088 00	252 00
			Uranium-235	0 15	0 12	113 00	24 00

33

Table 7
RFCA Tier II Sum of Ratios

Location	Tier II SOR Radionuclides	Tier II SOR Nonradionuclides
BU38-0002	0 13	NA
BU38-0003	0 01	NA
BU38-0004	0 14	NA
BU38-0005	0 01	NA
BU38-0006	0 01	NA
BU38-0007	0 00	NA
BU38-0008	0 00	NA
BU38-0009	NA	0 00
BU39-0001	0 15	NA
BU39-0003	0 13	NA
BU39-0004	0 13	NA
BU39-0005	0 12	NA
BU39-0006	NA	0 01
BU39-0007	NA	0 00
BU39-0008	NA	0 01
BU39-0012	NA	0 01
BU39-0013	NA	0 01
BV39-0001	0 13	NA
BV39-0003	0 18	NA
Central Point on Southern PWL	0 13	NA
Eastern Process Line	0 14	NA
Northern Process Line	0 13	NA
Source Pit	0 12	NA
Southeast Slab	0 13	NA

NA Not applicable because sample was not analyzed for specific constituents

37

2.3 RCRA Unit Closure

The pipe chases and sumps in Rooms 156, 157, and 158, shown on Figure 14, were closed in accordance with the Closure Plan for Building 123 Components of RCRA Unit 40 (DOE 1997) but were not removed Closure of the sump in Room 125 and the underground pipe from Room 158 did not meet the closure performance standards (RMRS 1998b) and were deferred to ER remediation RCRA COCs at this location were metals and radionuclides

RCRA closure accelerated action objectives were to remove all sumps and process waste lines associated with RCRA Unit 40, shown in Figure 14, with the IHSS Group 100-4 AOC Sumps located in the former Rooms 156, 157, and 158 were removed along with more than 1 foot of soil around and beneath the sumps Pipelines between former Rooms 156 and 157 sump locations and more than 1 foot of soil around and beneath the pipelines was excavated Additionally, approximately 40 feet of associated 4-inch diameter stainless steel pipeline was excavated Contamination was not detected on sumps or associated pipeline

Confirmation samples were collected from the soil beneath each sump location, and one was collected in the pipeline trench between the Room 156 and 157 sump locations Confirmation sampling locations are BU38-0002, BU38-0003, BU38-0004, BU38-0005, BU38-0006, BU38-0007, BU38-0008 and the Central Point of Southern PWL. Soil samples were analyzed for radionculides only because they could be used as an indication of sump or pipeline leaks If elevated radionuclides were detected additional analyses for metals would be required As indicated in Table 6, americium-241 is slightly greater than background plus two standard deviations at one location, uranium-235 is slightly greater than background plus two standard deviations at one location, and uranium-238 is slightly greater than background plus two standard deviations in two locations These data indicate that the sumps and pipelines had not leaked Results for analytes greater than background plus two standard deviations are shown on Figure 11 and summarized in Table 6 The full data set is presented in Appendix B

RCRA Unit 40 process waste lines were excavated and removed from the sumps to MH-2 The remaining pipeline south of MH-2 to Valve Vault 18 could not be removed because of infrastructure constraints The location of this pipeline is shown on Figure 15 The sump (waste pumping station) in Room 125 was removed during decontamination and decommissioning (D&D) of the building The following portions of RCRA Unit 40 were clean closed by removal

- Sumps in former Rooms 156, 157, and 158, and associated pipelines, and
- Process waste line from the sumps to MH-2

2.4 Stewardship Analysis

The IHSS Group 100-4 stewardship evaluation was conducted through ongoing consultation with the regulatory agencies The regulatory agencies were informed through frequent project updates, e-mail, telephone contact, and personal contact throughout the project duration Copies of these documents are in Appendix C

As discussed in Section 2 2, accelerated actions at IHSS Group 100-4 consisted of excavation of OPWL, NPWL, source pits, sumps, one RFCA Tier I lead exceedance, and one RFCA Tier I SOR SVOC exceedance Residual contamination, consisting of confirmation sampling locations

Figure 14
UBC 123 RCRA Unit 40

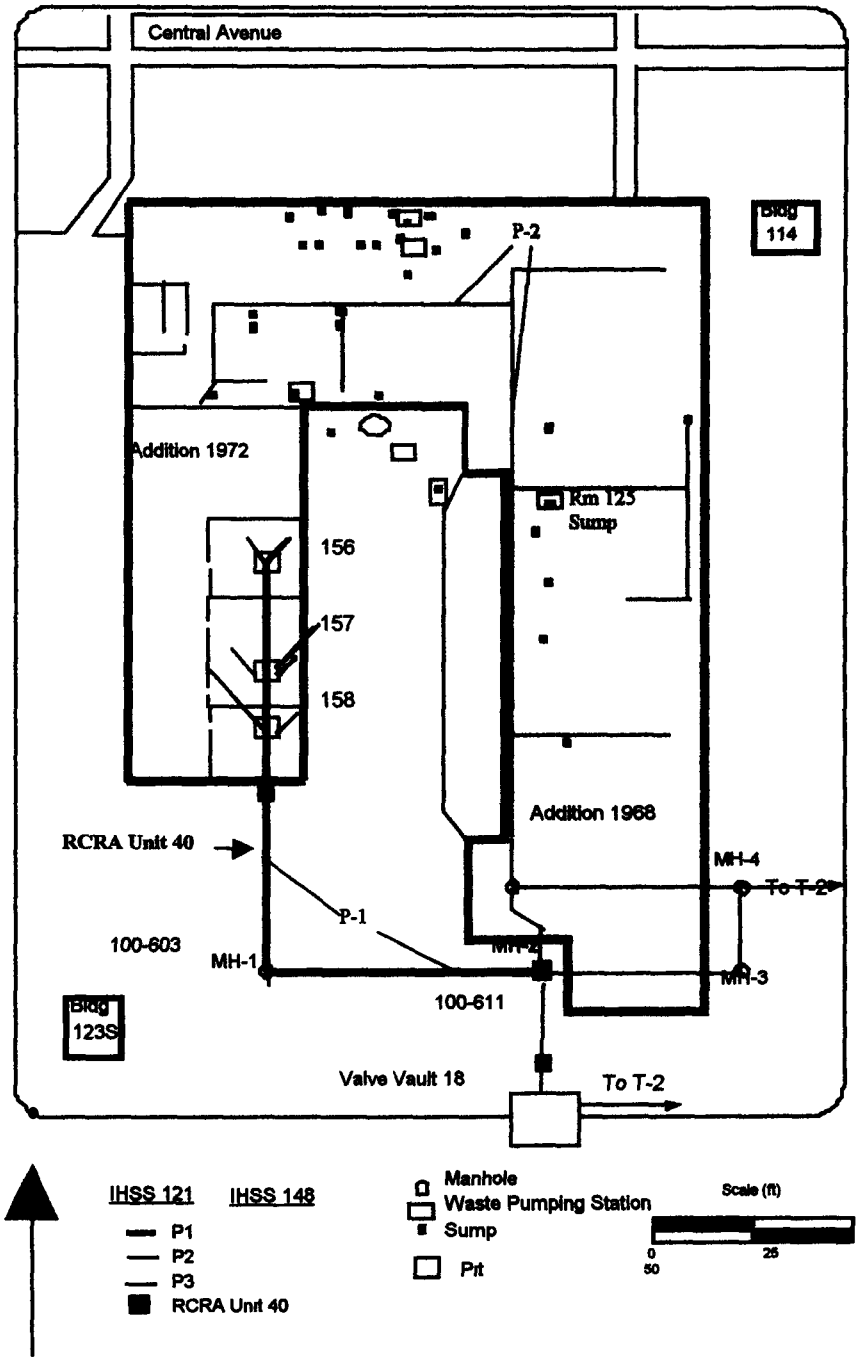
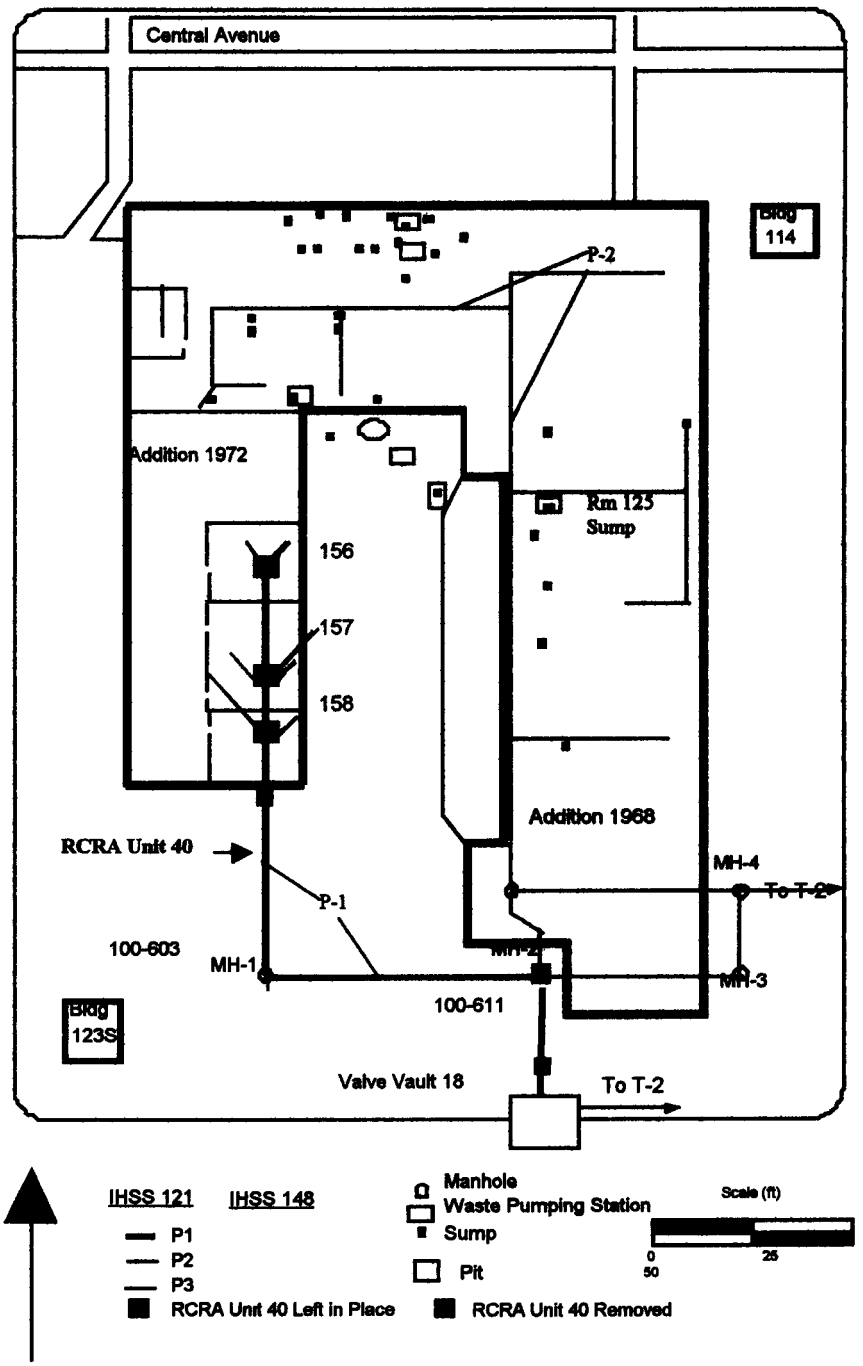


Figure 15
RCRA Unit 40 Pipeline Removed and Left in Place



40

and pre-accelerated action sampling locations that were not remediated, at IHSS Group 100-4 is summarized in Table 8 and shown on Figure 16

Additional removal actions beyond ER RSOP Notification #IA-02-01 accelerated action goals (DOE 2002b) were not required at IHSS 100-4 because of the following

- Residual radionuclide activities in subsurface soil were less than RFCA Tier II ALs and only slightly greater than background plus two standard deviations,
- Residual lead concentrations in subsurface soil were less than Tier II ALs and only slightly greater than background plus two standard deviations,
- Residual SVOC concentrations were less than Tier II ALs and only slightly greater than MDLs, and the Tier II SOR was less than 1,
- Radionuclide activities in surface soil were less than Tier II ALs and only slightly greater than background plus two standard deviations (DOE 2002b),
- Beryllium concentration in surface soil, outside of UBC 123, IHSS 148, and PAC 100-611 but within the AOC, at only one location and was 0 16 mg/kg greater than the RFCA Tier II AL,
- Methylene chloride concentrations in subsurface soil, outside of UBC 123, IHSS 148, and PAC 100-611 but within the AOC, were greater than the RFCA Tier II AL at 6 locations Methylene chloride does not pose a significant risk at these concentrations Additionally, methylene chloride was found in laboratory blanks associated with the data set

2.4.1 Stewardship Requirements and Recommendations

- Near- and long-term stewardship requirements are based on residual contamination at IHSS Group 100-4 and on the stewardship evaluation presented in ER RSOP Notification #02-01 (DOE 2002b) Removal of soil, pipelines, and other structures at IHSS Group 100-4 has reduced the activity of radionuclides in subsurface soil, lead concentration in subsurface soil, and SVOCs in surface soil Two pipelines were left in place (Figure 17) Other stewardship considerations discussed in ER RSOP Notification #02-01 (DOE 2002b) have not been affected by soil removal Near-term stewardship requirements for the two pipelines left in place at IHSS Group 100-4 include the following
- Implement near-term institutional controls until final closure and stewardship decisions are implemented, including the following
  - Restrict soil excavation through the Site Soil Disturbance Permit process

41

Table 8
Residual Contamination at IHSS Group 100-4

Location	Analyte	Media	Residual Concentration	Units	Background Plus Two Standard Deviations	MDL	Tier II AL (pCi/g)	Tier I AL (pCi/g)
BU38-0005	Americium-241	Subsurface Soil	0 05	pCi/g	0 02	NA	209	38
BU39-0004	Americium-241	Subsurface Soil	0 08	pCi/g	0 02	NA	209	38
Eastern Process Line	Americium-241	Subsurface Soil	0 13	pCi/g	0 02	NA	209	38
Eastern Process Line	Plutonium-239/24	Subsurface Soil	0 06	pCi/g	0 02	NA	1,088	252
Northern Process Line	Plutonium-239/24	Subsurface Soil	0 11	pCi/g	0 02	NA	1,088	252
SS306893	Americium-241	Surface Soil	0 03	pCi/g	0 02	NA	215	38
SS306793	Americium-241	Surface Soil	0 12	pCi/g	0 02	NA	215	38
	Beryllium	Surface Soil	1 20	mg/kg	0 97	NA	104	1
	Cobalt	Surface Soil	28 70	mg/kg	10 91	NA	115,000	115,000
SS307093	Americium-241	Surface Soil	0 03	pCi/g	0 02	NA	215	38
	Copper	Surface Soil	25 10	mg/kg	18 06	NA	71,100	71,100
	Lead	Surface Soil	152 00	mg/kg	54 62	NA	1,000	1,000
	Plutonium-239/240	Surface Soil	0 16	pCi/g	0 02	NA	1,429	252
	Zinc	Surface Soil	113 00	mg/kg	73 76	NA	576,000	576,000
SS307293	Cobalt	Surface Soil	11 30	mg/kg	10 91	NA	115,000	115,000
	Americium-241	Surface Soil	0 05	pCi/g	0 02	NA	215	38
SS307393	Americium-241	Surface Soil	0 03	pCi/g	0 02	NA	215	38
	Copper	Surface Soil	22 70	mg/kg	18 06	NA	71,100	71,100
	Lead	Surface Soil	128 00	mg/kg	54 62	NA	1,000	1,000
	Plutonium-239/240	Surface Soil	0 17	pCi/g	0 02	NA	1429	252
	Zinc	Surface Soil	134 00	mg/kg	73 76	NA	576,000	576,000
SS307593	Americium-241	Surface Soil	0 02	pCi/g	0 02	NA	215	38
	Lead	Surface Soil	165 00	mg/kg	54 62	NA	1,000	1,000
	Zinc	Surface Soil	85 50	mg/kg	73 76	NA	576,000	576,000
SS307693	Americium-241	Surface Soil	0 19	pCi/g	0 02	NA	215	38
	Barium	Surface Soil	203 00	mg/kg	141 26	NA	133,000	133,000
	Copper	Surface Soil	19 80	mg/kg	18 06	NA	71,100	71,100
	Strontium	Surface Soil	94 70	mg/kg	48 94	NA	1,000,000	1,000,000

Location	Analyte	Media	Residual Concentration	Units	Background Plus Two Standard Deviations	MDL	Tier II AL (pCi/g)	Tier I AL (pCi/g)
	Uranium-238	Surface Soil	2 14	pCi/g	2 00	NA	566	103
	Zinc	Surface Soil	133 00	mg/kg	73 76	NA	576,000	576,000
HDD-2-07	Acetone	Subsurface Soil	23	µg/kg	NA	13	27,200,000	272,000
	Methylene Chloride	Subsurface Soil	25	µg/kg	NA	6	578	6
	bis(2-Ethylhexyl)phthalate	Subsurface Soil	1200	µg/kg	NA	340	311,000,000	3,110,000
	Copper, Total	Subsurface Soil	182	µg/kg	38 21	0 10	71,100	71,100
1	Methylene Chloride	Subsurface Soil	7 00	µg/kg	NA	6	578	6
11	Acetone	Subsurface Soil	30 00	µg/kg	NA	13	27,200,000	272,000
	Napthalene	Subsurface Soil	13 00	µg/kg	NA	11	10,100,000	101,000
12	1,2,4-Trichlorobenzene	Subsurface Soil	6 00	µg/kg	NA	5	433,000	4,330
	Acetone	Subsurface Soil	69 00	µg/kg	NA	5	27,200,000	272,000
	Bis(2-Ethylhexyl)phthalate	Subsurface Soil	50 00	µg/kg	NA	10	311,000,000	3,110,000
	Methylene Chloride	Subsurface Soil	34 00	µg/kg	NA	5	578	6
	Napthalene	Subsurface Soil	13 00	µg/kg	NA	11	10,100,000	101,000
	Uranium-235	Subsurface Soil	0 20	pCi/g	0 12	NA	135	24
13	Carbon Tetrachloride	Subsurface Soil	11 00	µg/kg	NA	6	3,560	36
	Methylene Chloride	Subsurface Soil	34 00	µg/kg	NA	5	578	6
	Napthalene	Subsurface Soil	16 00	µg/kg	NA	11	10,100,000	101,000
16	Acetone	Subsurface Soil	6 00	µg/kg	NA	5	27,200,000	272,000
	Benzo(a)pyrene	Subsurface Soil	760 00	µg/kg	NA	730	701,000	7,010
	Fluoranthene	Subsurface Soil	1500 00	µg/kg	NA	730	537,000,000	5,370,000
	Pyrene	Subsurface Soil	1300 00	µg/kg	NA	730	397,000,000	3,970,000
17	Acetone	Subsurface Soil	8 00	µg/kg	NA	6	27,200,000	272,000
	Plutonium-239/240	Subsurface Soil	0 03	pCi/g	0 02	NA	1,429	252
18	Acetone	Subsurface Soil	18 00	µg/kg	NA	5	27,200,000	272,000
	Fluoranthene	Subsurface Soil	1200 00	µg/kg	NA	710	537,000,000	5,370,000
	Napthalene	Subsurface Soil	10 00	µg/kg	NA	5	10,100,000	101,000
	Plutonium-239/240	Subsurface Soil	0 09	pCi/g	0 02	NA	1,429	252
	Pyrene	Subsurface Soil	1100 00	µg/kg	NA	710	397,000,000	3,970,000
19	Napthalene	Subsurface Soil	10 00	µg/kg	NA	5	10,100,000	101,000

Location	Analyte	Media	Residual Concentration	Units	Background Plus Two Standard Deviations	MDL	Tier II AL (pCi/g)	Tier I AL (pCi/g)
20	Acetone	Subsurface Soil	99 00	µg/kg	NA	6	27,200,000	272,000
21	Plutonium-239/240	Subsurface Soil	0 13	pCi/g	0 02	NA	1,429	252
22	Americium-241	Subsurface Soil	0 10	pCi/g	0 02	NA	215	38
3	Americium-241	Subsurface Soil	0 10	pCi/g	0 02	NA	215	38
	Fluoranthene	Subsurface Soil	410 00	µg/kg	NA	360	537,000,000	5,370,000
	Pyrene	Subsurface Soil	420 00	µg/kg	NA	360	397,000,000	3,970,000
4	Fluoranthene	Subsurface Soil	480 00	µg/kg	NA	350	537,000,000	5,370,000
	Pyrene	Subsurface Soil	540 00	µg/kg	NA	350	397,000,000	3,970,000
8	Fluoranthene	Subsurface Soil	810 00	µg/kg	NA	370	537,000,000	5,370,000
	Pyrene	Subsurface Soil	740 00	µg/kg	NA	370	397,000,000	3,970,000
HDD-2-01	Methylene Chloride	Subsurface Soil	29 00	µg/kg	NA	6	578	6

Long-term recommendations for IHSS Group 100-4 include the following

- Implement long-term stewardship actions, including the following
  - Federal ownership, and
  - Review groundwater and surface water-monitoring stations near IHSS Group 100-4 when long-term monitoring options are evaluated

2.4.2 Accelerated Action Stewardship

Stewardship actions that were implemented during the accelerated action included posting signs and barriers, including yellow chain and jersey barriers

2.5 Deviations from the ER RSOP

Deviations from the ER RSOP include the following

- Two planned confirmation sampling locations were not sampled because pipeline was not found where anticipated, as shown on Figure 10,
- Several confirmation sampling locations were not measured but were hand plotted and estimated as noted on Table 5, and
- Process waste line removal stopped at the steamlines because of worker safety issues Remaining NPWL and OPWL will be dispositioned with IHSS Group 000-4, PAC 000-504 and IHSS Group 000-2, IHSS 000-121 respectively

2.6 Post-Remediation Conditions

Post remediation conditions for each IHSS, PAC, and UBC at IHSS Group 100-4 are described below

2.6.1 UBC 123, Radiological Health Physics Laboratory

Building 123 slab, footers, source pit, and manholes were excavated and packaged for disposal or if appropriate, recycled in accordance with the RSOP for Recycling Concrete (DOE 1999a) Sumps and process waste lines were excavated and were packaged for disposal Confirmation sampling results from the soil beneath the slab, footers, source pit, manholes, sumps and process waste lines indicated that all contaminant concentrations were less than RFCA Tier II ALs

2.6.2 IHSS 100-148, Waste Leaks

Sumps and process waste lines within IHHSS 100-148 were excavated and were packaged for disposal Confirmation sampling results from the soil beneath the sumps and process waste lines indicated that all contaminant concentrations were less than RFCA Tier II ALs

2.6.3 PAC 100-603, Bioassay Waste Spill

PAC 100-603 was approved as a No Further Action (NFA) site in 2002 (CDPHE 2002) A description of this PAC is contained in the Annual Update for the Historical Release Report (DOE 2001c)

2.6.4 PAC 100-611, Building 123 Scrubber Solution Spill

Five surface soil samples were collected and analyzed for pH at PAC 100-611 Sampling results indicated that remediation was not required

2.6.5 Residual Contamination

Residual contaminant concentrations greater than background plus two standard deviations or MDLs at IHSS Group 100-4 are presented on Table 9 and shown on Figure 16 Pipelines that were not removed during the accelerated action are shown on Figure 17 As discussed previously, pipeline ends were grouted

2.7 Waste Management

Waste from the IHSS Group 100-4 accelerated action consisted of concrete, asphalt, soil, and pipeline Clean concrete was segregated and recycled in accordance with the RSOP for Concrete Recycling (DOE 1999a) Contaminated concrete was loaded into metal waste boxes for disposal as low-level waste Pipeline was placed in metal waste containers for disposal as low-level waste (LLW) In addition, two 10-foot sections of steam piping with asbestos-containing insulation were removed and packaged by an asbestos abatement contractor Asphalt was removed for disposal as sanitary waste More than 2,484, pounds (lbs) of sanitary waste, 25,620 lbs of LLW, 120,026 lbs of LLMW, and 15 lbs of asbestos-containing material (ACM) was generated during this accelerated action Waste types, volumes, and disposition are presented in Table 9

Excavated soil was temporarily stockpiled near the excavations (Figure 8) Samples were collected from the soil stockpiles to determine the final disposition of the excavated soil Because analytical results from soil stockpile samples did not exceed RFCA Tier II subsurface soil ALs (Table 10), this soil was placed back into the excavations

2.8 Site Reclamation

All excavated areas were backfilled and revegetated after confirmation sampling results were received and discussed with regulatory agencies through the consultative process Excavated soil with radionuclide concentrations less than RFCA Tier II ALs was used as backfill in the trench that it was removed from Additionally, 32 end-dump loads of topsoil from offsite sources were used to bring excavated areas up to grade

The IHSS Group 100-4 area was rough graded before the topsoil was distributed over the site The topsoil was graded, then scarified, and a seed mix consisting of Canada bluegrass was spread over the site using broadcast seeding methods Hydromulch was applied to conserve moisture and prevent seed erosion

Table 9
Waste Characterization Summary

Container Number	Extended Number	Container Type	Volume (cu.ft.)	Waste Type	Gross Weight (lbs.)	Status	Notes	IDC	Waste Codes	Disposition
B02192	123P-00020	CAB	96	LLMW	6,420	Full and sealed	Soil from beneath room 105	324	D008	Transported to 904 Pad 5/30/02, will be shipped to Envirocare
B02193	123P-00015	CAB	96	LLMW	4,120	Full and sealed	Process waste piping, with lead	324/5001	D008	Transported to 904 Pad 5/30/02, will be shipped to Envirocare
B02228	123P-00019	CAB	96	LLMW	4,080	Full and sealed	Process waste pipe, with lead	324/5001	D008	Transported to 904 Pad 5/30/02, will be shipped to Envirocare
B02229	123P-00016	CAB	96	LLMW	3,340	Full and sealed	Process waste pipe, with lead	324/5001	D008	Transported to 904 Pad 5/30/02, will be shipped to Envirocare
B02188	123P-00023	CAB	96	LLMW	7,660	Full and sealed	Soil from beneath room 105	324	D008	Transported to 904 Pad 5/30/02, will be shipped to Envirocare
B02189	123P-00008	CAB	96	LLW	2,920	Foamed and sealed	Concrete from room 109	5001/323	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS
B02190	123P-00009	CAB	96	LLW	4,540	Foamed and sealed	Concrete from room 125	5001/323	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS
B02191	123P-00010	CAB	96	LLW	3,480	Foamed and sealed	Concrete from room 109	5001/323	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS
B02194	123P-00011	CAB	96	LLW	3,480	Foamed and sealed	Concrete and metal, from room 109	5001/323	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS
B02195	123P-00012	CAB	96	LLW	3,020	Foamed and sealed	Concrete and metal, room 125	5001/323	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS
B02196	123P-00013	CAB	96	LLW	3,820	Foamed and sealed	Crushed concrete and metal from room 109	5001/323	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS
B02197	123P-00014	CAB	96	LLW	1,240	Full and sealed	Crushed concrete	5001	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS

Container Number	Extended Number	Container Type	Volume (cu.ft)	Waste Type	Gross Weight (lbs.)	Status	Notes	IDC	Waste Codes	Disposition
B02230	123P-00017	CAB	96	LLW	5,600	Full and sealed	Soil	323	NA	Transported to 904 Pad 5/30/02, will be shipped to NTS
X29337	123P-00037	ST Cargo	1,280	LLW	29,580	In process, sampled for hazardous constituents	Concrete vault, piping, load for shipment to NTS 5/22/02	323/5001	NA	Shipped to NTS 6/4/02
X29522	123P-00022	ST Cargo	1,280	LLW	4,386	Foamed and sealed	NCR for hole in side of cargo, 2 concrete vaults, plastic, Styrofoam	323/5001	NA	Awaiting NTS profile modification and approval prior to shipment
X29537	123P-00021	ST Cargo	1,280	LLW	34,740	Foamed and sealed	Concrete vault and piping	323/5001	NA	Awaiting NTS profile modification and approval prior to shipment
L00857	123P-00025	Lift Liner	258	LLW	6,480	Sealed	Concrete rubble	323/5001	NA	Awaiting NTS profile modification and approval prior to shipment
L00858	123P-00026	Lift Liner	258	LLW	16,740	Sealed	Concrete rubble	323/5001	NA	Awaiting NTS profile modification and approval prior to shipment
X29848	NA	Bag	90	ACM	15	Full	Dispositioned in B779 Roll-off		NA	Dispositioned with B779 ACM wastes
47	123 Recycle	End dumps	18,898	Sanitary	1,984,244	Full	Concrete	NA	NA	Recycled onsite
20	20809	R23	636	Sanitary	unknown	Full	Metal Debris–Consists of electrical conduit, rebar with small amounts of concrete, and electrical wire	0323	NA	Shipped to Front Range Landfill
21	20809	R23	636	Sanitary	55,613	Full	Debris–consists of electric conduit, rebar with small amounts of concrete, eletrical wire, asphalt (123 pad & 121 pad), and wood chip board	0323	NA	Shipped to Front Range Landfill
22	20809	R23	636	Sanitary	55,613	Full	Asphalt	0323	NA	Shipped to Front Range Landfill

Container Number	Extended Number	Container Type	Volume (cu.ft)	Waste Type	Gross Weight (lbs.)	Status	Notes	IDC	Waste Codes	Disposition
25	30340	R23	636	Sanitary	55,613	Full	Asphalt	0323	NA	Shipped to Front Range Landfill
26	30340	R23	636	Sanitary	55,613	Full	Asphalt	0323	NA	Shipped to Front Range Landfill
27	20809	R23	636	Sanitary	55,613	Full	Asphalt	0323	NA	Shipped to Front Range Landfill
28	30340	R23	636	Sanitary	55,613	Full	Asphalt	0323	NA	Shipped to Front Range Landfill
29	20809	R23	636	Sanitary	55,613	Full	Asphalt	0323	NA	Shipped to Front Range Landfill
30	30340	R23	636	Sanitary	55,613	Full	Asphalt and plastic	0323	NA	Shipped to Front Range Landfill
31	20809	R23	636	Sanitary	55,613	Full	Asphalt	0323	NA	Shipped to Front Range Landfill
32	NA	End Dump	1,942	Sanitary	Unknown	Full	Asphalt, electrical conduit and rebar with concrete, no container number (used end dump #9), probably represents several loads	0323	NA	Shipped to Front Range Landfill

CAB cost advantage box

Table 10
Waste Characterization Data Summary–Detected Analytes

Matrix Type	Analyte	Maximum	Number Samples	Detection Frequency %	Tier I AL	Tier II AL	Units
Concrete	Americium-241	0 05	3	100	209	38	pCi/g
Concrete	Curium	0 13	3	100	NA	NA	pCi/g
Concrete	Uranium-234	1 36	3	100	1,627	307	pCi/g
Concrete	Uranium-235	0 16	3	100	113	24	pCi/g
Concrete	Uranium-238	1 09	3	100	506	103	pCi/g
Concrete	Actinium	1 34	3	100	NA	NA	pCi/g
Concrete	Antimony-125	0 01	3	100	NA	NA	pCi/g
Concrete	Cerium-144	0 02	3	100	NA	NA	pCi/g
Concrete	Cesium-137	8 68	3	100	NA	NA	pCi/g
Concrete	Cobalt-60	0 02	3	100	NA	NA	pCi/g
Concrete	Europium-152	0 03	3	100	NA	NA	pCi/g
Concrete	Europium-154	-0 01	3	100	NA	NA	pCi/g
Concrete	Europium-155	0 03	3	100	NA	NA	pCi/g
Concrete	Lead	1 41	3	100	1,000	1,000	pCi/g
Concrete	Potassium	38 70	3	100	NA	NA	pCi/g
Concrete	Promethium	0 00	3	100	NA	NA	pCi/g
Concrete	Promethium-146	0 0204	3	100	NA	NA	pCi/g
Concrete	Rutheunium-106	0 05	3	100	NA	NA	pCi/g
Concrete	Thorium-234	1 27	3	100	NA	NA	pCi/g
Concrete	Uranium-235	0 17	3	33	113	24	pCi/g
Concrete	Uranium-238	1 27	3	100	506	103	pCi/g
Concrete	Yttrium-88	0 0108	3	100	NA	NA	pCi/g
Pipe Scale	2-Butanone	8 6	1	100	NA	NA	µg/kg
Pipe Scale	2-Ethyl-1-hexanol	85	1	100	NA	NA	µg/kg
Pipe Scale	4-Isopropyltoluene	2 6	1	100	NA	NA	µg/kg
Pipe Scale	Acetone	25	1	100	27,200,000	272,000	µg/kg
Pipe Scale	Benzene 1,2,3,5-tetramethyl	9 9	1	100	NA	NA	µg/kg
Pipe Scale	Benzene 1,2,4-trimethyl	2	1	100	NA	NA	µg/kg
Pipe Scale	Ethylbenzene	1 9	1	100	932,000	9,320	µg/kg
Pipe Scale	Hexanol	12	1	100	NA	NA	µg/kg
Pipe Scale	Methlylene chloride	1 6	1	100	578	5 78	µg/kg
Pipe Scale	Naphthalene	8 8	1	100	10,100,000	101,000	µg/kg
Pipe Scale	Styrene	3	1	100	274,000	2,740	µg/kg
Pipe Scale	Toluene	4 4	1	100	707,000	7,070	µg/kg
Pipe Scale	Xylenes (total)	18	1	100	9,740,000	97,400	µg/kg
Waste Soil	4-Nitrophenol	140 00	1	100	NA	NA	µg/kg
Waste Soil	Methylene chloride	2 50	1	100	578	5 78	µg/kg
Waste Soil	Pyrene	62 00	1	100	397,000,000	3,970,000	µg/kg
Waste Soil	Actinium	2 01	30	100	NA	NA	pCi/g
Waste Soil	Americium-241	4 43	29	15	209	38	pCi/g
Waste Soil	Uranium-234	1 00	13	100	1,627	307	pCi/g
Waste Soil	Uranium-235	0 31	29	17	113	24	pCi/g

52

Matrix Type	Analyte	Maximum	Number Samples	Detection Frequency %	Tier I AL	Tier II AL	Units
Waste Soil	Uranium-238	3 46	29	100	506	103	pCi/g
Waste Soil	Actinium-228	2 01	29	100	NA	NA	pCi/g
Waste Soil	Americium-241	4 43	28	100	209	38	pCi/g
Waste Soil	Bismuth-212	2 21	29	100	NA	NA	pCi/g
Waste Soil	Bismuth-214	0 866	29	100	NA	NA	pCi/g
Waste Soil	Cesium-134	0 00	26	100	NA	NA	pCi/g
Waste Soil	Potassium-40	26 5	29	100	NA	NA	pCi/g
Waste Soil	Lead-212	1 86	29	100	NA	NA	pCi/g
Waste Soil	Lead-214	1 01	29	100	NA	NA	pCi/g
Waste Soil	Polonium-210	6,820 00	29	100	NA	NA	pCi/g
Waste Soil	Radium bromide	3 71	29	100	NA	NA	pCi/g
Waste Soil	Thalium-208	0 577	29	100	NA	NA	pCi/g
Waste Soil	Uranium-235	0 31	27	100	113	24	pCi/g
Waste Soil	Uranium-238	3 46	28	100	506	103	pCi/g

2.9 No Longer Representative Sampling Locations

The map and listing of NLR sampling locations is shown in Table 11 and on Figure 18

Table 11
No Longer Representative Sampling Locations

B123 D&D Project Sampling Locations		UBC 123 HDD Project Sampling Locations		
2	33-11	GP-1-1	GP3-7	HDD-3-05
5	35-13	GP-1-2	GP3-9	HDD-4-01
10	36-14	GP-1-3	GP-4-4	HDD-4-02
11	37-15	GP-1-4	GP-4-6	HDD-4-03
14	38-16	GP-2-3	HDD-2-02	HDD-4-4
23-1	39-17	GP-2-4	HDD-2-03	HDD-4-06
24-2	40-18	GP-2-6	HDD-2-04	LAB1
25-3	42-20	GP-2-8	HDD-2-05	LAB2
26-4	44-22	GP-2-10	HDD-2-06	SP1
27-5	45-23	GP-2-11	HDD-2-07	SP2
28-6	46-25	GP-2-13	HDD-2-08	SP3
29-7	47-25	GP3-2	HDD-3-02	SP4
30-8	48-26	GP-3-4	HDD-3-03	WPS-2
31-91		HDD-4-05	HDD-3-04	WPS-3
32-10				WPS-4

HDD Horizontal Directional Drilling

53

2.10 Data Quality Assessment

The DQOs for this project, as defined in the IASAP (DOE 2001a), were achieved based on the DQA provided in the following sections The DQO/DQA process ensures that the type, quantity, and quality of environmental data used in decision making are defensible, with emphasis on attaining adequate (statistical) confidence in the decisions The DQO/DQA process is based on the following guidance and requirements

- EPA QA/G-4, 1994 Guidance for the Data Quality Objective Process (EPA 1994a),
- EPA QA/G-9, 1998 Guidance for the Data Quality Assessment Process, Practical Methods for Data Analysis (EPA 1998), and
- DOE Order 414 1A, Quality Assurance (DOE 1999b)

Verification and validation (V&V) of the data are the primary components of the DQA The final data are compared with original project DQOs and evaluated with respect to project decisions, uncertainty within the decisions, and quality criteria required for the data, specifically precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) Validation criteria are consistent with the following RFETS-specific documents and industry guidelines

- EPA 540/R-94/012, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA 1994b),
- EPA 540/R-94/013, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (EPA 1994c), and
- Kaiser-Hill Company, L L C (K-H) V&V Guidelines
  - General Guidelines for Data Verification and Validation, DA-GR01-v1, December 3, 1997
  - V&V Guidelines for Isotopic Determinations by Alpha Spectrometry, DA-RC01-v1, 2/13/98
  - V&V Guidelines for Volatile Organics, DA-SS01-v1, 12/3/97
  - V&V Guidelines for Semivolatile Organics, DA-SS02-v1, 12/3/97
  - V&V Guidelines for Metals, DA-SS05-v1, 12/18/97
- Lockheed-Martin, 1997, Evaluation of Radiochemical Data Usability, ES/ER/MS-5

This report will be submitted to the Comprehensive Environmental, Response, Compensation and Liability Act (CERCLA) Administrative Record (AR) for permanent storage within 30 days of approval by CDPHE and/or the U S Environmental Protection Agency (EPA)

2.10.1 DQO Decisions

Consistent with the original DQO decision rules of the project, SOR calculations were conducted for each sample using confirmation results In accordance with the DQO decision logic, if the summation for radiological or nonradiological constituents does not exceed 1 then no further

55

action is required As shown in Section 2 2 3, SORs per sample were below 1 and no further action is required

2.10.2 Verification and Validation of Results

Verification ensures that data produced and used by the project are documented and traceable in accordance with quality requirements Validation consists of a technical review of all data that directly support the project decisions so that any limitations of the data relative to project goals are delineated and the associated data are qualified accordingly The V&V process defines the criteria that constitute data quality, namely PARCCS parameters Data traceability and archival are also addressed V&V criteria include the following

- Chain-of-custody,
- Preservation and hold-times,
- Instrument calibrations,
- Preparation blanks,
- Interference check samples (metals),
- Matrix spikes/matrix spike duplicates (MS/MSD),
- Laboratory control samples (LCS),
- Field duplicate measurements,
- Chemical yield (radiochemistry),
- Required quantitation limits/minimum detectable activities (sensitivity of chemical and radiochemical measurements, respectively), and
- Sample analysis and preparation methods

V&V results of electronic data are documented in the ER Remediation, Industrial D&D, and Site Services (RISS) Project File as "PlanvsActuals2 mdb" in Microsoft ACCESS)

Precision

Precision of results was acceptable with the qualifications discussed below, based on the frequency and results of duplicate Quality Control (QC) samples

Laboratory precision was acceptable based on the frequency of MSD and laboratory duplicates (LDs) analyzed (≥1/laboratory batch, or ≥1 20 QC-to-real sample ratio), and the resulting relative percent difference (RPD) values resulting from those analyses (one exception was aluminum, at 48% RPD, in laboratory batch 2050380, but this does not affect project decisions) Maximum RPD values were typically <15%, the DQO is <30% for soil matrices

Field sampling precision was adequate for radionuclides, but was indeterminate for nonradionuclides Eleven field duplicates were analyzed for radiological constituents (seven for gamma spectroscopy and four for alpha spectroscopy) Precision was adequate based on

56

repeatability of both field duplicate and real sample results to quantities well below associated RFCA ALs No field duplicates were acquired for nonradiological samples, though all corresponding real results (Completeness) were repeatable at levels well below RFCA Tier II ALs Based on the overall low concentrations as compared with ALs, there is no impact on decisions

Accuracy and Bias

Location measurements recorded on maps are within ±1 ft, based on the Global Positioning System (GPS) technology in use (Trimble 4800 Series) Location measurements in trenches were offset, and the measurement was recalculated Several confirmation sampling locations were not measured but were hand plotted and estimated

The frequency of LCS was adequate, with at least one LCS per batch, though the lists of analytes were short for all methods except SW6010 (metals), where a complete list of analytes was used, likewise for MS All LCS recoveries, for all chemical (nonradiological) analytes, were between 66% and 112%, which is within associated QC tolerances

MS recoveries ranged from 37% to 121% with exceptions consisting of one iron and one silica (<16%), one 1,1-dichloroethene (171%), and one aluminum (928%) None of the out-of-specification occurrences impact decisions, as the magnitude of the low bias would not cause AL exceedances if results were corrected accordingly, positive biases did not cause false positives in the real samples Chlorobenzene is qualified as an estimate for sample 02E0010-026 002, and may be biased low due to an MS recovery of 37% (the lower control limit is ~75%) for the associated laboratory batch

Frequency of blank analyses (method blanks) was adequate at ≥1/laboratory batch for all chemical analyses Blanks yielded no concentrations significant enough to cause a high bias in the corresponding real samples, i e , there are no false positive results due to blank contamination

Representativeness

Surface soil grab samples acquired for the project, are representative based on the number and location of samples acquired, in combination with the following criteria

- Familiarity with site history and current IHSS configurations and collaborations by management and technical staff,
- Implementation of industry-standard chain-of-custody protocols,
- Compliance with sample preservation and hold times,
- Documented and Site-approved methods, particularly SOPs controlled by the subcontractor, and
- Compliance with CDPHE- and EPA-approved sampling and analysis plans (the IASAP and IASAP Addendum)

Completeness

57

Sampling completeness is addressed in Table 12 The required minimum numbers of real samples and laboratory QC were acquired The variance between planned versus actual field duplicates and their impact on decisions was addressed in the Precision section

A summary of the V&V for all Electronic Data Deliverable (EDD) records, presented in Table 13, indicates no rejection of the data All estimated values were well less than associated RFCA ALs Validation of results was completed at the minimum frequency of ≥10% per method and matrix-type, with the exception of radionuclides, where V&V is in progress However, adequate frequency and performance of LCS for the radiological suites suggests that these data are valid Note that headers within Table 13 indicate line item codes and generic labels for method types

Comparability

Results presented are comparable with CERCLA data on a site- and DOE complex-wide basis This comparability is based on

- Use of standardized engineering units in the reporting of measurement results,
- Consistent sensitivities of measurements (≤ the required quantitation limit [RQL] or minimum detectable activity [MDA]),
- Use of site-approved procedures (Contractual Statements of Work for laboratory analyses),
- Systematic quality controls, and
- Thorough documentation of the planning, sampling/analysis process, and data reduction into formats designed for making decisions posed from the project's original data quality objectives

Sensitivity

Adequate sensitivities, (i e , detection limits) were attained for most analytes Exceptions are listed in Tables 14 and 15 Although the listed analytes had detection limits in excess of associated subsurface soil action levels, none of the compounds were detected at or above the detection limit denoted by a "U" flag associated with the results If a result was a "nondetect", i e , flagged as "U" by the lab, then it was not included in the SOR calculation Ideally, detection limits are at least one-half the associated action level for those exceedances listed in Tables 14 and 15 below

54

Table 12
IHSS Group 100-4–Sample Completeness Summary

Minimum Number of Samples Planned (including Media)	Number of Samples Taken (Real and QC)	Project Decisions (Conclusions) & Uncertainty
VOC		
None	2 real, soil 1 pipe scale	No contamination >RFCA Tier II
SVOC		
1 soil	3 real, soil	No contamination >RFCA Tier II
METALS		
5 soil	2 (full suite), soil, real 5 (lead only), soil, real 1 soil (TCLP), soil 1 pipe scale (TCLP), soil,	No contamination >RFCA Tier II
pH		
1 soil	5, soil, real	All pH results >7, no further evidence of acid spills
RADIOLOGICAL (APLHA SPEC)		
PWLs (trench bottom) - 14 Soil Sumps (excavation bottom) - 4 Source Pit - 2	55 real, soil 4 field duplicates 3 water 4 concrete	No contamination >RFCA Tier II, Water results indeterminate from Laboratory 559 due to high reporting limit
RADIOLOGICAL (GAMMA SPEC)		
Sumps (excavation bottom) - 4 Source Pit - 2	69 real, 4 duplicates (soil) 2 concrete	No contamination >RFCA Tier II

59

Table 13
IHSS Group 100-4 – Verification & Validation for Electronic Data Deliverable Records

SWD Validation Qualifier Code	Total of CAS Number	ASP-A-003	ASP-A-004	ASP-A-011	MET-A-023	MET-A-024	MET-A-031	MIS-A-004	RC10B 019	RFAA 005	URS10B 019	URS10B 19	VOAA 011	VOAA 011	SVO-A 007
		Alpha Spec			Metals			Corrosivity	Gamma Spec				VOC		SVOC
Null	2004	5	270	3	70	3	38	1	439	19	510	207	345	82	12
1	23							1					8	8	6
J	16			2	12		2								
V	220	10		4	34	4	4			38					126
V1	326							4					134	126	62
JB1	3													2	1
UJ	17				9		2								6
UJ1	3														3
Total	2612	15	270	9	125	7	46	6	439	38	510	207	487	218	216
% Validated	23%	5%	0%	%	38%	%		83%	3%	100%	%		39%		94%

Table 14
Analytes with Detection Limits Exceeding Tier I Action Levels

CAS Number	Analyte Name	Reporting Limit (µg/kg)	Tier I AL (µg/kg)
121-14-2	2,4-Dinitrotoluene	100	5 01E+01
606-20-2	2,6-Dinitroltoluene	100	3 88E+01
111-44-4	Bis(2-Chloroethyl) Ether	52	9 73E+00
621-64-7	N-Nitroso-di-n-propylamine	94	1 89E+00

Table 15
Analytes with Detection Limits Exceeding Tier II Action Levels

CAS Number	Analyte Name	Reporting Limit (µg/kg)	Tier II (µg/kg)
51-28-5	2,4-Dinitrophenol	520	5 29E+01
121-14-2	2,4-Dinitrotoluene	100	5 01E-01
606-20-2	2,6-Dinitrotoluene	100	3 88E-01
91-94-1	3,3'-Dichlorobenzidine	73	4 84E+00
91-94-1	3,3'-Dichlorobenzidine	75	4 84E+00
7440-38-2	Arsenic	3,400	2 99E+03
111-44-4	Bis(2-Chloroethyl) ether	51	9 73E-02
621-64-7	N-nitroso-di-n-propylamine	92	1 89E-02
98-95-3	Nitrobenzene	91	5 39E+01
87-86-5	Pentachlorophenol	400	2 11E+01

2.10.3 Data Quality Summary

The data presented in this section have been verified and validated for the purpose of corroborating decisions to acceptable levels of confidence as stated in the original DQOs for this project. Qualifications of the data are described above

Cel

3.0 IHSS GROUP 100-5

IHSS Group 100-5 consists of PAC 100-609, the security incinerator The security incinerator was located south of Building 121 and was used for incineration of classified documents The location of IHSS Group 100-5 is shown in Figure 1 During some period in its operating history, the incinerator was used to burn no carbon required (NCR)-type paper containing polychlorinated biphenyls (PCBs), which could have resulted in the generation of dioxins and furans It is known that ash from the incinerator ash was being disposed at the Present Landfill (PAC NW-114) in December 1980 It is not known whether this was standard practice throughout the incinerator's operating history According to one source, "tons" of NCR paper, containing up to 10% to 20% PCBs, was burned in the incinerator

3.1 Site Characterization

As described in IASAP Addendum #IA-02-01 (DOE 2001b), PCOCs at IHSS Group 100-4 were determined based on historical knowledge (DOE 1992) PCOCs at this site are dioxins, furans, and PCBs Surface soil samples were collected from six sampling locations beneath the concrete slab and analyzed Sampling specifications are shown in Table 16, and results are shown in Table 17

3.2 Accelerated Action Description

The AOC, shown on Figure 19, was determined based on analytical results from IASAP Addendum #IA-02-01 (DOE 2001b) sampling The AOC is defined as the area with concentration of contaminants greater than MDLs The AOC map also illustrates the limits of RFCA Tier II and Tier I AL exceedances for PCBs Because there are no existing RFCA ALs for dioxin/furan, a different framework was used for comparison of analytical results Both EPA cleanup guidelines (EPA 1998) for residential and industrial use (in accordance with RFCA) and a value of 9 toxicity equivalents (TEQ) (consultative process) were used for comparison Results for dioxin/furan were converted to TEQ using a toxicity equivalency factor (TEF) in accordance with SW8290 (EPA 1994d) and compared directly with the TEQ of 9 This comparison is shown in Table 18 There were no exceedances of the TEQ Additionally, as shown on Figure 20, there are no exceedances greater than RFCA Tier II or Tier I ALs (PCBs) or EPA cleanup guidelines SOR calculations are based on PCB results The Tier II SOR calculation results for nonradionuclides are presented on Figure 21

In accordance with the IASAP (DOE 2001a), the AOC based on characterization data becomes the revised PAC shape This change will be archived through the Site Geographic Information Services Group

The accelerated action objectives were developed and described in ER RSOP Notification #02-01 (DOE 2002b) The accelerated action objectives for IHSS Group 100-5 included the following

- Remove the concrete slabs, which will be dispositioned in accordance with the RSOP for Concrete Recycling (DOE 1999a), and

62

Table 16
IHSS Group 100-5, PAC 100-609–Characterization Sampling Specifications

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval Beneath Slabs (ft)	Analyte	Laboratory Method
100-5	PAC 100-609 – Security Incinerator	BT38-A001	2081396	749167	Surface Soil	0 0-0 5	Dioxin and Furan	8290
		BT38-A001	2081396	749167	Surface Soil	0 0-0 5	PCBs	8082
		BT38-A002	2081406	749165	Surface Soil	0 0-0 5	Dioxin and Furan	8290
		BT38-A002	2081406	749165	Surface Soil	0 0-0 5	PCBs	8082
		BT39-A001	2081397	749170	Surface Soil	0 0-0 5	Dioxin and Furan	8290
		BT39-A001	2081397	749170	Surface Soil	0 0-0 5	PCBs	8082
		BT39-A002	2081406	749170	Surface Soil	0 0-0 5	Dioxin and Furan	8290
		BT39-A002	2081406	749170	Surface Soil	0 0-0 5	PCBs	8082
		BT39-A003	2081400	749164	Surface Soil	0 0-0 5	Dioxin and Furan	8290
		BT39-A003	2081400	749164	Surface Soil	0 0-0 5	PCBs	8082
		BT39-A004	2081402	749170	Surface Soil	0 0-0 5	Dioxin and Furan	8290
		BT39-A004	2081402	749170	Surface Soil	0 0-0 5	PCBs	8082

Table 17
IHSS Group 100-5, PAC 100-611–Characterization Data Summary

IHSS Group	IHSS/PAC/UBC Site	Analyte	Maximum (µg/kg)	MDL (µg/kg)	Tier II AL (µg/kg)	Tier I AL (µg/kg)
100-5	100-609 – Security Incinerator	Aroclor-1016	19 5	< 069	224,000	2,240
		Aroclor-1221	19 5	< 069	224,000	2,240
		Aroclor-1232	19 5	< 069	224,000	2,240
		Aroclor-1242	23	< 069	224,000	2,240
		Aroclor-1248	35	< 069	224,000	2,240
		Aroclor-1254	29	< 069	224,000	2,240
		Aroclor-1260	17 5	< 069	224,000	2,240
		Analyte	**Maximum (pg/g)**	**RDL (pg/g)**	**EPA Residential Cleanup Guidance (pg/g)**	**EPA Industrial Cleanup Guidance (pg/g)**
		1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	23	< 22	1,000	5,000
		1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	6 2	< 22	1,000	5,000
		1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0 34	< 22	1,000	5,000
		1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0 23	< 22	1,000	5,000
		1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0 68	< 22	1,000	5,000
		1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0 97	< 22	1,000	5,000
		1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0 9	< 22	1,000	5,000
		1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0 79	< 22	1,000	5,000
		1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0 22	< 22	1,000	5,000
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0 67	< 22	1,000	5,000
		1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1 2	< 22	1,000	5,000
		2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0 44	< 22	1,000	5,000
		2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0 65	< 22	1,000	5,000
		2,3,7,8-Tetrachlorodibenzofuran (TCDF)	4 2	< 22	1,000	5,000
		Dioxin	6 8	< 22	1,000	5,000
		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	180	< 22	1,000	5,000
		1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	16	< 22	1,000	5,000

Table 18
IHSS Group 100-5–Toxicity Equivalent Comparison

Analyte	Maximum Result	TEF (pg/g)	TEQ (pg/g)
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	23	0 01	0 23
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	6 2	0 01	0 062
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0 34	0 01	0 0034
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0 23	0 10	0 023
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0 68	0 10	0 068
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0 97	0 10	0 097
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0 9	0 10	0 09
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0 79	0 10	0 079
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0 22	0 10	0 022
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0 67	0 50	0 335
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1 2	0 05	0 06
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0 44	0 10	0 044
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0 65	0 50	0 325
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	4 2	0 10	0 42
Dioxin	6 8	1	6 8
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	180	001	0 18
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	16	001	0 016

- Remediate soil if dioxins or furans are found at levels greater than MDLs or a level agreed upon through the RFCA consultative process

Remediation activities were conducted between March 6 and April 1, 2002 Dates and durations of significant activities are listed in Table 19

Table 19
Dates and Duration of Accelerated Action Activities

Activity	Start Date	End Date	Duration
Remove incinerator slabs	March 6, 2002	March 6, 2002	1 Day
Characterization sampling at PAC 100-609	March 7, 2002	March 7, 2002	1 Day
Site reclamation	March 21, 2002	April 1, 2002	1 Day

Photographs of site activities are provided in Appendix A

3.2.1 Accelerated Action Description

Concrete Slabs

The two slabs at IHSS Group 100-5 were removed using a forklift after a corner of the slab was broken up sufficiently with a jackhammer to gain access to the underlying soil The main slab was 20 inches thick One composite sample was collected from the concrete for waste characterization The sample was analyzed for metals, dioxins, and furans The concrete slabs were surveyed for radiological constituents and recycled in accordance with the RSOP for Recycling Concrete (DOE 1999a)

Soil Removal

Because all analytical results indicated that dioxin and furan concentrations were less than EPA cleanup guidelines for residential use and the TEQ of 9, and PCBs were less than RFCA Tier II ALs, no soil was removed Therefore, confirmation samples were not collected because soil was not remediated Characterization samples were analyzed at an offsite laboratory and also serve as confirmation samples

3.3 Stewardship Analysis

The IHSS Group 100-5 stewardship evaluation was conducted through ongoing consultation with the regulatory agencies The regulatory agencies were informed through project updates, e-mail, telephone contact, and personal contact throughout the project duration

Residual contamination at IHSS Group 100-5 is summarized in Table 17 and shown on Figure 21

Additional remediation beyond ER RSOP Notification #IA-02-01 (DOE 2002b) was not required at IHSS 100-5 because of the following reasons

- Residual PCB concentrations in surface soil were less than Tier II ALs and only slightly greater than MDL,
- Residual PCB Tier II SORs were less than 1, and
- Residual dioxin and furan concentrations were less than the TEQ of 9 and EPA residential cleanup guidelines

3.3.1 Stewardship Requirements and Recommendations

Near- and long-term stewardship requirements are based on residual contamination at IHSS Group 100-5 and on the stewardship evaluation presented in ER RSOP Notification #02-01 (DOE 2002b) Stewardship considerations discussed in ER RSOP Notification #02-01 (DOE 2002b) have not changed Near-term stewardship requirements for IHSS Group 100-5 include the following

- Implement near-term institutional controls until final closure and stewardship decisions are implemented, including the following
  - Restrict soil excavation through the Site Soil Disturbance Permit process

Long-term recommendations for IHSS Group 100-5 include the following

- Implement long-term stewardship actions, including the following
  - Federal ownership, and
  - Review groundwater and surface water monitoring stations near IHSS Group 100-5 when long-term monitoring options are evaluated

3.4 Site Reclamation

IHSS Group 100-5 was covered with approximately 6 to 8 inches of roadbase, wheel-rolled, and compacted with a loader

3.5 Deviations from the ER RSOP

Deviations from the ER RSOP include the following

- Dioxin and furan concentrations were compared to EPA cleanup guidelines and TEQ because RFCA Tier I and Tier II ALs were not available, and
- IHSS Group 100-5 was not revegetated because the Site security force needed to use this site

3.6 Post-Remediation Conditions

Residual contamination concentrations, MDLs, and EPA cleanup guidelines, at IHSS Group 100-5 are shown in Figure 21

3.7 Waste Management

Waste from the IHSS Group 100-5 consisted of concrete, which was recycled in accordance with the RSOP for Concrete Recycling (DOE 1999a)

3.8 Data Quality Assessment

The DQOs for this project, as defined in the IASAP (DOE 2001a), were achieved based on the DQA provided in the following sections The DQO/DQA process ensures that the type, quantity, and quality of environmental data used in decision making are defensible, with emphasis on attaining adequate (statistical) confidence in the decisions The DQO/DQA process is based on the following guidance and requirements

- EPA QA/G-4, 1994 Guidance for the Data Quality Objective Process (EPA 1994a),
- EPA QA/G-9, 1998 Guidance for the Data Quality Assessment Process, Practical Methods for Data Analysis (EPA 1998), and
- DOE Order 414 1A, Quality Assurance (DOE 1999b)

V&V of the data are the primary components of the DQA The final data are compared with original project DQOs and evaluated with respect to project decisions, uncertainty within the decisions, and quality criteria required for the data, specifically PARCCS Validation criteria are consistent with the following RFETS-specific documents and industry guidelines

- EPA 540/R-94/013, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (EPA 1994c),
- EPA 540/R-94/012, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA 1994b),

70

- K-H V&V Guidelines
  - General Guidelines for Data Verification and Validation, DA-GR01-v1, December 3, 1997
  - V&V Guidelines for Isotopic Determinations by Alpha Spectrometry, DA-RC01-v1, 2/13/98
  - V&V Guidelines for Volatile Organics, DA-SS01-v1, 12/3/97
  - V&V Guidelines for Semivolatile Organics, DA-SS02-v1, 12/3/97
  - V&V Guidelines for Metals, DA-SS05-v1, 12/18/97, and
- Lockheed-Martin, 1997, Evaluation of Radiochemical Data Usability, ES/ER/MS-5

This report will be submitted to the CERCLA AR for permanent storage within 30 days of approval by CDPHE and/or EPA

3.8.1 DQO Decisions

Consistent with the original DQO decision rules of the project, SOR calculation was conducted, on sample results as applicable PCB compounds have corresponding RFCA ALs that allow an SOR to be calculated, whereas the dioxin/furan results do not In accordance with the DQO decision logic, if the summation for radiological or non-radiological constituents does not exceed 1, then no further action is required All PCB SORs, per sample, were below 1, therefore, no further action is required relative to PCBs

Because there are no existing RFCA ALs for dioxin/furan, a different action level framework was used to compare with the dioxin/furan results An action level of 9 TEQ was used based on the consultative process Results for the dioxin/furan were converted to TEQ and compared directly with the TEQ of 9 No individual compounds exceeded this level, and the highest value was 6 8 for dioxin Calculations are documented in the files "PlanvsActuals2 mdb" and "Dioxin-FuranAnlyRslt xls" in Microsoft ACCESS

Sample quantities by analytical method are shown in Table 20

Table 20
IHSS Group 100-5–Sampling

Analyte	Matrix	EPA Method	Number of Samples (including QC samples)
PCBs	Soil	SW8082	7
Dioxin/Furan	Soil	SW8290	7

3.8.2 Verification and Validation of Results

Verification ensures that data produced and used by the project are documented and traceable per quality requirements Validation consists of a technical review of project data that directly support decisions, such that any limitations of the data relative to project goals are stated V&V criteria include the following

- Chain-of-custody,
- Preservation and hold-times,
- Instrument calibrations,
- Preparation blanks,
- Interference check samples (metals),
- MSs/MSDs,
- LCSs,
- Field duplicate measurements,
- Chemical yield (radiochemistry),
- RQL/MDA (sensitivity of chemical and radiochemical measurements, respectively), and
- Sample Analysis and Preparation methods

3.8.3 Precision

Precision of field sampling was adequate based on repeatability of both field duplicate and real sample results to quantities well below associated action levels <9 TEQ for dioxin/furans and <2,240 parts per billion (ppb) for PCBs Only one field duplicate was necessary based on a set of less than 20 reals (i e , a required duplicate sample frequency of ≥5%)

Laboratory precision was acceptable based on MS/MSD comparisons, which yielded a maximum relative percent difference of 3%, the DQO is <30% for organics in soils

3.8.4 Accuracy and Bias

Maps

Distance measurements recorded on maps are within ±1 foot, based on the GPS technology in use (Trimble 4800 Series)

Chemical Results

LCSs and MSs were analyzed at an adequate frequency (≥1/laboratory batch) and were within QC tolerances For LCS, minimum recoveries were 66% for Aroclor-1016 and

72

74% for 123789-HXCDD, for MS, minimum recoveries were 77% for Aroclor-1260 and 72% for 1234789-HPCDF

Blanks yielded no concentrations significant enough to cause a high bias in the corresponding real samples, i e , there are no false positive results due to blank contamination

3.8.5 Representativeness

Surface soil grab samples acquired for the project, are representative based on the number and location of samples in combination with the following criteria

- Familiarity with site history and current IHSS configurations,
- Collaborations by management and technical staff,
- Implementation of industry-standard Chain-of-Custody protocols,
- Compliance with sample preservation and hold times,
- Documented and Site-approved methods, particularly SOPs controlled by the subcontractor, and
- Compliance with state- and EPA-approved sampling and analysis plans including the IASAP and associated SAP Addenda

3.8.6 Completeness

Sampling completeness is addressed in Table 21 The required minimum numbers of QC and real samples were acquired

Table 21
IHSS Group 100-5–Sample Completeness Summary

Number of Samples Planned (Media; Real and QC)	Number of Samples Taken (Real and QC)	Project Decisions (Conclusions) and Uncertainty
6 real 1 duplicate	7 (total) 6 Real, 1 field duplicate	No contamination per SOR calculation
6 real 1 duplicate	7 (total) 6 Real, 1 field duplicate	No contamination per 1 1 comparison TEQ of 9

A summary of the V&V for all EDD records indicates no rejection of the data. All estimated values were well less than associated RFCA ALs Validation of results was

73

completed at the minimum frequency (≥10% per method and per real sample matrix) as shown in Table 22

Table 22
IHSS Group 100-5–Summary of Validated Records

Validation Qualifier Codes SWD	Total of CAS Number	PEP-A-007 SW8082 PCBs	TSK-A-003 SW8290 Dioxin/Furan
Null	48	14	34
V	145	47	98
JB	21		21
UJ	2	2	
Total Records	216	63	153
% Validated		78%	78%

3.8.7 Comparability

All results presented are comparable with CERCLA data on an intrasite- and DOE complex-wide basis This comparability is based on the following

- Use of standardized engineering units in the reporting of measurement results,
- Consistent sensitivities of measurements (≤ 0 5 corresponding action levels),
- Use of site-approved procedures (e g , Contractual Statements of Work for laboratory analyses),
- Systematic quality controls, and
- Thorough documentation of the planning, sampling/analysis process, and data reduction into formats designed for making decisions derived from the project's original DQOs

3.8.8 Sensitivity

Adequate sensitivities, in units of micrograms per kilogram (µg/kg) (ppb) for PCBs and parts per trillion (pg/g) for dioxin/furans were attained for all analytes The maximum detection limit (DL) for PCBs was 10 ppb (Aroclor-1232), the maximum DL given for dioxin/furans was zero Ideally, detection limits are at least one-half of analyte's associated action level, all DLs were well below that for this project

3.8.9 Summary

The data presented in this report have been verified and validated for the purpose of corroborating decisions to acceptable levels of confidence as stated in the project's original DQOs There are no qualifications of the data. Results indicate that no chemical contamination exists in excess of RFCA Tier I or Tier II ALS for PCBs, or for dioxins/furans in excess of TEQ No further actions are necessary for IA Group 100-5

4.0 REFERENCES

CDPHE, 2002, Environmental Restoration RFCA Standard Operating Protocol FY02 Notification #02-01 Approval Letter, January 16

DOE, 1992, Historical Release Report for the Rocky Flats Plant, Golden, CO

DOE, 1997, Closure Plan for Building 123 Components of RCRA Unit 40, Rocky flats Environmental Technology Site, Golden, CO

DOE, 1999a, RFCA Standard Operating Protocol for Recycling Concrete, Rocky Flats Environmental Technology Site, Golden, CO

DOE 1999b, DOE Order 414 1A Order 414 1A, Quality Assurance

DOE, 2000a, Industrial Area Data Summary Report, Rocky Flats Environmental Technology Site, Golden, CO, September

DOE, 2000b, Final Sampling and Analysis Plan for the Characterization of Under Building Contamination for UBC 123 and Building 886 Implementing Horizontal Directional Drilling and Environmental Measurement While Drilling, Rocky Flats Environmental Technology Site, Golden, Colorado, May

DOE, 2001a, Industrial Area Sampling and Analysis Plan, Rocky Flats Environmental Technology Site, Golden, CO, June

DOE 2001b, Industrial Area Sampling and Analysis Plan Addendum #IA-02-01, Rocky Flats Environmental Technology Site, Golden, CO, November

DOE, 2001c, Annual Update for the Historical Release Report, Rocky Flats Environmental Technology Site, Golden, CO, September

DOE 2001d, Final Data Summary Report for the Characterization of UBCs 123 and 886, Rocky Flats Environmental Technology Site, Golden, CO, September

DOE 2002a, Environmental Restoration RFCA Standard Operating Protocol for Routine Soil Remediation, Rocky Flats Environmental Technology Site, Golden, CO January

DOE 2002b, Environmental Restoration RFCA Standard Operating Protocol Notification #02-01, Rocky Flats Environmental Technology Site, Golden, CO, January
EPA, 1994a, QA/G-4, Guidance for the Data Quality Objective Process

EPA, 1994b, 540/R-94/012, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review

75

EPA, 1994c, 540?R-94/013, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review

EPA, 1994d, Test Methods for Evaluating Solid Wastes

EPA, 1998 QA/G-9, Guidance for the Data Quality Assessment Process, Practical Methods for Data AnalysisU S EPA 540/R-94/013, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review

Lockheed-Martin, 1997, Evaluation of Radiochemical Data Usability, ES/ER/MS-5

RMRS, 1997, Closure Plan for the Building 123 Components of RCRA Unit 40, Rocky Flats Environmental Technology Site, Golden, CO, November

RMRS, 1998a, Proposed Action Memorandum for the Decommissioning of Building 123, RF/RMRS-97-012, Rocky Flats Environmental Technology Site, Golden, Colorado, March

RMRS, 1998b, Closure Certification for the Building 123 Components of RCRA Unit 40, Rocky Flats Environmental Technology Site, Golden, CO, May

RMRS, 1998c, Final Close-Out Report, Building 123 Decommissioning Project RF/RMRS-98-253 UN, Rev 0, Rocky Flats Environmental Technology Site, Golden, Colorado September

76

APPENDIX A
PROJECT PHOTOGRAPHS

IHSS GROUP 100-4

Photograph 1 Building 123– Slab, rubble

Photograph 2 Building 123 Footer

18

Photograph 3. Building 123 Source Well

Photograph 4. Building 123 Source Well - Top

19

Photograph 5 Building 123 Source Well Excavation Backfilled

Photograph 6. Building 123 Manhole MH-2

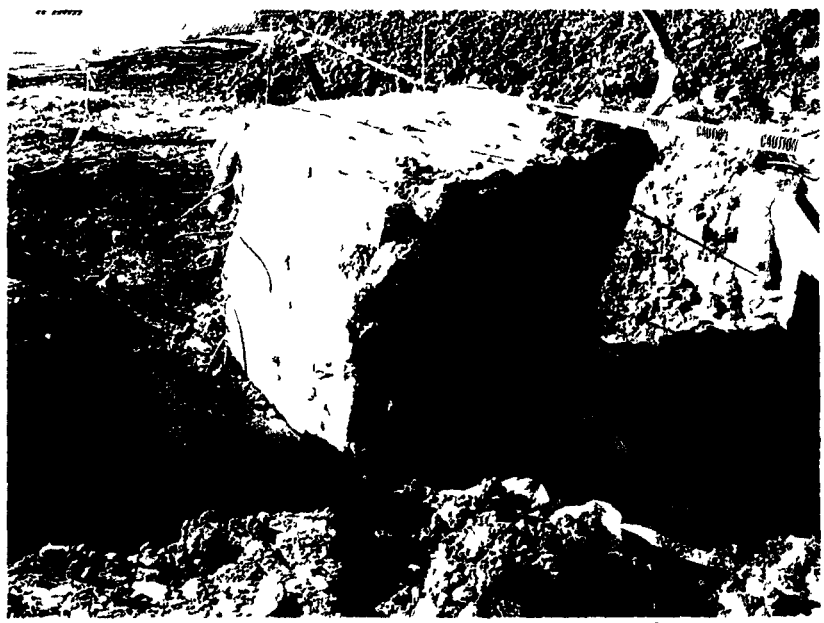
80

Photograph 7. P-2 Waste Line from Building 123 North Wing

Photograph 8. Building 123 Sumps

81

Photograph 9. Building 123 Room 157 & 158 Sumps



Photograph 10. Building 123 Room 156 Sump

82

Photograph 11 Building 123 Sump Piping

Photograph 12. Building 123 Room 157 & 158 Sumps

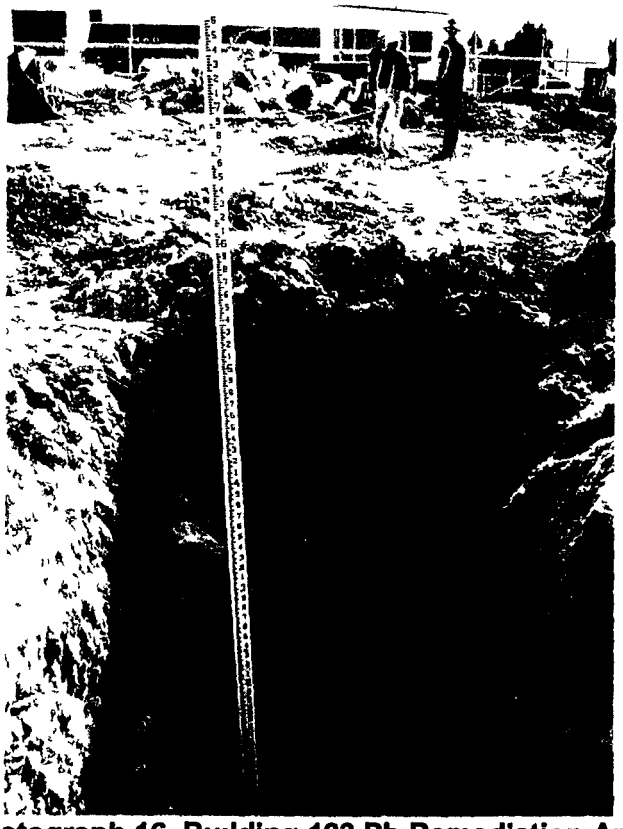
83

Photograph 13 Liquid from Room 112 Process Line 2

Photograph 14. Room 112 Process Line 1

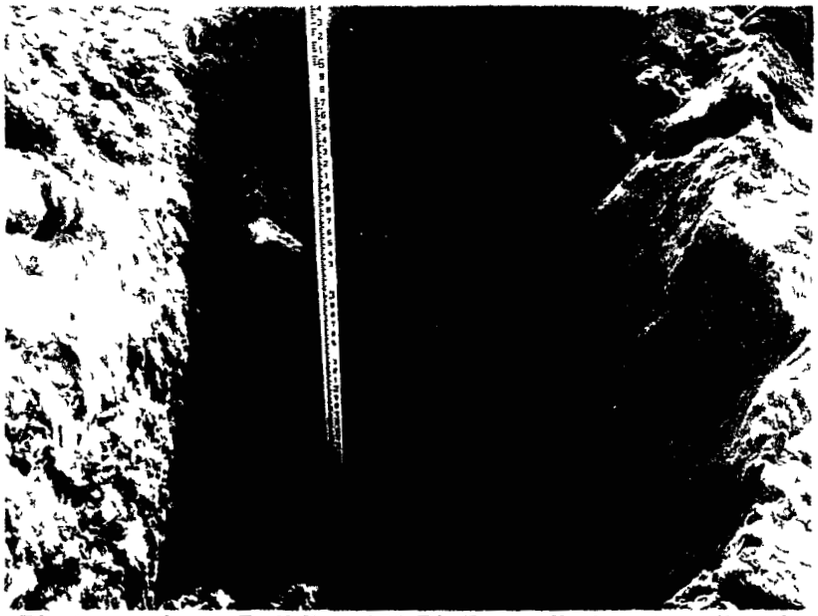
84

Photograph 15. Room 112 Process Line 2 Looking West



Photograph 16. Building 123 Pb Remediation Area

85



Photograph 17 Building 123 Pb Remediation Area Depth

Photograph 18 B123 Restored

86

IHSS Group 100-5

Photograph 1 Twenty-inch-thick incinerator slab removed (looking north)

Photograph 2 Incinerator slab (looking east)

87

APPENDIX B
ANALYTICAL DATA

88

02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	CURIUM-242	15510-73-3	-0 00309	PCi/G	U				0 0386
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	CURIUM-245/246	7440-51-9	0 0482	PCi/G	J				0 0206
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Americium-241	14596-10-2	0 0237	PCi/G	J				0 0178
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Americium-241	14596-10-2	0 0459	PCi/G	J	V			0 0386
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	CURIUM-244	13981 15-2	0 00567	PCi/G	U				0.0455
02E0001-008 001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Plutonium-239/240	10-12-8	-0.0000783	PCi/G	U				0 06
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Plutonium-239/240	10-12-8	0 0213	PCi/G	U	V			0.0384
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Uranium-234	11-08-5	0 996	PCi/G	J				0.0964
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Uranium-234	11-08-5	1.25	PCi/G		V			0.0829
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Uranium-235	15117-96-1	0 0993	PCi/G	J				0 0876
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Uranium-235	15117-96-1	0 126	PCi/G	J	V			0 0832
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Uranium-238	7440-61 1	0 881	PCi/G	J	V			0 0448
02E0001-008.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-008	BV38-0004	Uranium-238	7440-61-1	1 03	PCi/G					0 0794
02E0001-008.002	Concrete	ASP-A-004	ALPHA SPEC	02E0001-008	BV38-0004	CURIUM-242	15510-73-3	0	PCi/G	U	V			0 0178
02E0001-008.002	Concrete	ASP-A-004	ALPHA SPEC	02E0001-008	BV38-0004	CURIUM-245/246	7440-51-9	0 126	PCi/G	J	J	247		0 02
02E0001-008.002	Concrete	ASP-A-004	ALPHA SPEC	02E0001-008	BV38-0004	CURIUM-244	13981 15-2	-0 0029	PCi/G	U	V			0 0362
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	ACTINIUM-228	7440-34-8	1.22	PCi/G					0.0625
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	ACTINIUM-228	7440-34-8	1 34	PCi/G		V			0 0635
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	ANTIMONY 125	14234-35-6	-0 0124	PCi/G		V			0.0515
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	ANTIMONY 125	14234-35-6	0 00838	PCi/G					0 052
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	CERIUM-144	14762-78-8	-0 0465	PCi/G		V			0 113
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	CERIUM-144	14762-78-8	-0 0437	PCi/G					0 114
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	COBALT-60	10198-40-0	0 00613	PCi/G		V			0 0201
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	COBALT-60	10198-40-0	0 0187	PCi/G					0 0212
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	EUROPIUM-152	14683-23-9	-0 0232	PCi/G					0 0525
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	EUROPIUM-152	14683-23-9	-0 0184	PCi/G		V			0 0525
02E0001-008 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	EUROPIUM-154	15585-10-1	-0.0093	PCi/G		V			0.0636
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	EUROPIUM-154	15585-10-1	-0 00844	PCi/G					0 083
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	EUROPIUM-155	14391 16-3	0	PCi/G					0 059
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	EUROPIUM-155	14391 16-3	0	PCi/G		V			0 0596
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	POTASSIUM-40	13966-00-2	38 6	PCi/G					0 144
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	POTASSIUM-40	13966-00-2	38 7	PCi/G		V			0.157
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	PROMETHIUM-144	7440-12 2	-0 00441	PCi/G		V			0 0157
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	PROMETHIUM-144	7440-12-2	0 000485	PCi/G					0 0158
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	PROMETHIUM-146	146PM	0 0109	PCi/G		V			0 0254
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	PROMETHIUM-146	146PM	0 0204	PCi/G					0 0259
02E0001-008 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	RUTHENIUM-106	13967-48-1	0.0243	PCi/G		V			0 162
02E0001-008 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	RUTHENIUM-106	13967-48-1	0.04	PCi/G					0.158
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	THORIUM-234	15065-10-8	0 754	PCi/G					0.566
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	THORIUM-234	15065-10-8	1.27	PCi/G		V			0 562
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	YTTRIUM-88	13982-38-0	0 00255	PCi/G		V			0 0138
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	YTTRIUM-88	13982-38-0	0 0108	PCi/G					0 0145
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Americium-241	14596-10-2	-0 024	PCi/G	U	V			0.0847
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Americium-241	14596-10-2	0 0067	PCi/G	U				0.0858
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	CESIUM-134	13967 70-9	-0 006	PCi/G	U	V			0 0183
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	CESIUM-134	13967 70-9	-0 00169	PCi/G	U				0 016
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	CESIUM-137	10045-97-3	2.32	PCi/G					0 019
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	CESIUM-137	10045-97-3	2 35	PCi/G		V			0 0178
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Lead	7439-92 1	1.41	PCi/G					0 0311
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Lead	7439-92 1	1.41	PCi/G		V			0 0317
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Uranium-235	15117-96-1	0 0826	PCi/G	U				0 127
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Uranium-235	15117-96-1	0 169	PCi/G	J	V			0 126
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Uranium-238	7440-61 1	0 754	PCi/G	J				0 566
02E0001-008.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-008	BV38-0004	Uranium-238	7440-61 1	1.27	PCi/G	J	V			0.562
02E0001-009.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-009	BU38-0011	Americium-241	14596-10-2	0 0384	PCi/G	J	V			0 0165
02E0001-009.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-009	BU38-0011	Plutonium-239/240	10-12-8	0 029	PCi/G	U	V			0 0722
02E0001-009.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-009	BU38-0011	Uranium-234	11-08-5	1 36	PCi/G		V			0 101
02E0001-009.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-009	BU38-0011	Uranium-235	15117-96-1	0 161	PCi/G	J	V			0 11
02E0001-009.001	Concrete	ASP-A-003	ALPHA SPEC	02E0001-009	BU38-0011	Uranium-238	7440-61 1	1 09	PCi/G		V			0 11
02E0001-009.002	Concrete	ASP-A-004	ALPHA SPEC	02E0001-009	BU38-0011	CURIUM-242	15510-73-3	-0 003	PCi/G	U	V			0 0375
02E0001-009.002	Concrete	ASP-A-004	ALPHA SPEC	02E0001-009	BU38-0011	CURIUM-245/246	7440-51-9	0 0802	PCi/G	J	J	247		0 02
02E0001-009.002	Concrete	ASP-A-004	ALPHA SPEC	02E0001-009	BU38-0011	CURIUM-244	13981 15-2	-0 00291	PCi/G	U	V			0 0383
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	ACTINIUM-228	7440-34-8	1.24	PCi/G		V			0.0868
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	ANTIMONY 125	14234-35-6	0 00443	PCi/G		V			0 0726
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	CERIUM-144	14762-78-8	0 0182	PCi/G		V			0.13
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	COBALT-60	10198-40-0	0 00392	PCi/G		V			0.019
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	EUROPIUM-152	14683-23-9	0 0284	PCi/G		V			0.0879
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	EUROPIUM-154	15585-10-1	-0 00944	PCi/G		V			0 0579
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	EUROPIUM-155	14391-16-3	0.0266	PCi/G		V			0.0674
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	POTASSIUM-40	13966-00-2	22.1	PCi/G		V			0.162
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	PROMETHIUM-144	7440-12-2	0 00101	PCi/G		V			0 0163

89

02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	PROMETHIUM-146	146PM	-0 000691	PCI/G		V			0.0359
02E0001-009 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	RUTHENIUM-106	13967-48-1	0 0545	PCI/G		V			0 188
02E0001-009 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	THORIUM-234	15065-10-8	1 16	PCI/G		V			0 614
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	YTTRIUM-88	13982-36-0	0 00437	PCI/G		V			0 0155
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	Americium-241	14596-10-2	-0 0044	PCI/G	U	V			0 0718
02E0001-009 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	CESIUM-134	13967 70-9	-0 000336	PCI/G	U	V			0 0188
02E0001-009 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	CESIUM-137	10045-97-3	8 68	PCI/G		V			0 0205
02E0001-009 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	Lead	7439-92 1	1 31	PCI/G		V			0 0379
02E0001-009.003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	Uranium-235	15117-96-1	0 0855	PCI/G	U	V			0 142
02E0001-009 003	Concrete	RGA-A-005	GAMMA SPEC	02E0001-009	BU38-0011	Uranium-238	7440-61 1	1 16	PCI/G	J	V			0 614
02E0001-011.001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-011	BU38-0010	CORROSIVITY FOR LIQUID WASTE	261.22-A 1	8 4	S U		1			
02E0001-011.001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-011	BU38-0010	CORROSIVITY FOR LIQUID WASTE	261.22-A-1	8 4	S U		V1			
02E0001-012 001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-012	BU38-0012	CORROSIVITY FOR LIQUID WASTE	261.22-A-1	8.8	S U		V1			
02E0001-013.001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-013	BU38-0013	CORROSIVITY FOR LIQUID WASTE	261.22-A-1	8 8	S U		V1			
02E0001-014.001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-014	BU38-0014	CORROSIVITY FOR LIQUID WASTE	261.22-A 1	8 7	S U					
02E0001-015.001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-015	BU38-0015	CORROSIVITY FOR LIQUID WASTE	261.22-A-1	8 8	S U		V1			
02E0001-016.001	Soil	MET-A-024	SW-846 6010/6010B	02E0001-016	BU39-0006	Lead	7439-92 1	7 8	MG/KG	B	V			0.23
02E0001-017 001	Soil	MET-A-024	SW-846 6010/6010B	02E0001-017	BU39-0007	Lead	7439-92 1	4 8	MG/KG	B	V			0.23
02E0001-019.001	Soil	MET-A-024	SW-846 6010/6010B	02E0001-019	BU39-0012	Lead	7439-92-1	9 4	MG/KG	B	V			0.23
02E0001-020.001	Soil	MET-A-024	SW-846 6010/6010B	02E0001-020	BU39-0013	Lead	7439-92 1	6 4	MG/KG	B	V			0.22
02E0001-021.001	Soil	MET-A-024	SW-846 6010/6010B	02E0001-021	BU39-0006	Lead	7439-92 1	12.2	MG/KG					0.23
02E0001-022 001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	UNKNOWN	TIC	1100	UG/KG	J	V	703		
02E0001-022 001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	1,2 4-Trichlorobenzene	120-82 1	350	UG/KG	U	V	703		88
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	1,2-DCB	95-50-1	350	UG/KG	U	V	703		66
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	1,3-DICHLOROBENZENE	541 73-1	350	UG/KG	U	V	703		76
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	1,4-DCB	106-46-7	350	UG/KG	U	V	703		59
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2 4,5-Trichlorophenol	95-95-4	350	UG/KG	U	V	703		80
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2,4 6-TRIBROMOPHENOL	118-79-6	72	%REC					
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2,4,6-Trichlorophenol	88-06-2	350	UG/KG	U	V	703		53
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2,4-Dichlorophenol	120-83-2	350	UG/KG	U	V	703		94
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2,4-Dimethylphenol	105-67-9	350	UG/KG	U	V	703		98
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2,4-Dinitrophenol	51-28-5	1700	UG/KG	U	UJ	140/141/703		530
02E0001-022 001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2,4-DNT	121 14-2	350	UG/KG	U	UJ	140/141/703		100
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2,6-DNT	606-20-2	350	UG/KG	U	V	703		110
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2-Chloronaphthalene	91-58-7	350	UG/KG	U	V	703		41
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2-Chlorophenol	95-57-8	350	UG/KG	U	V	703		78
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2-FLUOROBIPHENYL	321-60-8	63	%REC					
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2-Methylnaphthalene	91-57-6	350	UG/KG	U	V	703		63
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2-Methylphenol	95-48-7	350	UG/KG	U	V	703		82
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2-Nitroaniline	88-74-4	1700	UG/KG	U	V	703		85
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	2-NITROPHENOL	88-75-5	350	UG/KG	U	V	703		130
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	3,3'-Dichlorobenzidine	91-94-1	1400	UG/KG	U	V	703		75
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	3-NITROANILINE	99-09-2	1700	UG/KG	U	V	703		91
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	4,6-Dinitro-2-methylphenol	534-52 1	1700	UG/KG	U	UJ	140/141/703		450
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	4-CHLORO-3-METHYLPHENOL	59-50-7	350	UG/KG	U	V	703		100
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	4-Chloroaniline	106-47-8	350	UG/KG	U	V	703		50
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	4-CHLOROPHENYL PHENYL ETHER	7005-72-3	350	UG/KG	U	V	703		76
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	4-Methylphenol	106-44-5	350	UG/KG	U	V	703		79
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	4-NITROANILINE	100-01-6	1700	UG/KG	U	V	703		66
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	4-Nitrophenol	100-02-7	1700	UG/KG	U	V	703		100
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	ACENAPHTHYLENE	208-96-8	350	UG/KG	U	V	703		36
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Acenaphthene	83-32-9	350	UG/KG	U	V	703		49
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Anthracene	120-12 7	350	UG/KG	U	V	703		83
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Benzo(a)anthracene	56-55-3	350	UG/KG	U	V	703		42
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Benzo(a)pyrene	50-32-8	350	UG/KG	U	V	703		100
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Benzo(b)fluoranthene	205-99-2	350	UG/KG	U	V	703		110
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	BENZO(ghi)PERYLENE	191-24-2	350	UG/KG	U	V	703		75
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	BENZO(k)FLUORANTHENE	207-08-9	350	UG/KG	U	V	703		99
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Benzoic acid	65-85-0	1700	UG/KG	U	V	703		610
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Benzyl alcohol	100-51-6	350	UG/KG	U	V	703		82
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Bis(2-chloroethyl)ether	111-44-4	350	UG/KG	U	V	703		52
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Bis(2-CHLOROETHOXY)METHANE	111-91 1	350	UG/KG	U	V	703		79
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Bis(2-chloroisopropyl)ether	39638-32-9	350	UG/KG	U	V	703		74
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Bis(2-ethylhexyl)phthalate	117-81 7	350	UG/KG	U	V	703		74
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Butyl benzylphthalate	85-68-7	350	UG/KG	U	V	703		36
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Chrysene	218-01-9	350	UG/KG	U	V	703		57
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Di-n-BUTYL PHTHALATE	84-74-2	350	UG/KG	U	V	703		61
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Di-n-octylphthalate	117-84-0	350	UG/KG	U	V	703		38
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Dibenz(a,h)anthracene	53-70-3	350	UG/KG	U	V	703		50
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Dibenzofuran	132-64-9	350	UG/KG	U	V	703		88
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Diethyl phthalate	84-66-2	710	UG/KG	U	V	703		57

90

02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Dimethyl phthalate	131 11-3	350	UG/KG	U	V	703	91
02E0001-022 001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Fluoranthene	206-44-0	350	UG/KG	U	V	703	90
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Fluorene	86-73-7	350	UG/KG	U	V	703	81
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Hexachlorobenzene	118-74-1	350	UG/KG	U	V	703	81
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Hexachlorobutadiene	87-68-3	350	UG/KG	U	V	703	110
02E0001-022 001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Hexachlorocyclopentadiene	77-47-4	710	UG/KG	U	V	703	35
02E0001-022 001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Hexachloroethane	67 72 1	350	UG/KG	U	V	703	53
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Indeno(1,2,3-cd)pyrene	193-39-5	350	UG/KG	U	V	703	51
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Isophorone	78-59-1	350	UG/KG	U	V	703	73
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	n-Nitrosodi-n-propylamine	621-64-7	350	UG/KG	U	V	703	94
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	n-Nitrosodiphenylamine	86-30-6	350	UG/KG	U	V	703	77
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Naphthalene	91-20-3	350	UG/KG	U	V	703	75
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Nitrobenzene	98-95-3	350	UG/KG	U	V	703	91
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	NITROBENZENE-D5	4165-60-0	70	%REC				
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	o-FLUOROPHENOL	367 12-4	81	%REC				
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	p-BROMODIPHENYL ETHER	101-55-3	350	UG/KG	U	V	703	78
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Pentachlorophenol	87-86-5	1700	UG/KG	U	V	703	400
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	PHENANTHRENE	85-01-8	350	UG/KG	U	V	703	40
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Phenol	108-95-2	350	UG/KG	U	V	703	78
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	PHENOL-D5	4165-62-2	58	%REC				
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	Pyrene	129-00-0	350	UG/KG	U	V	703	43
02E0001-022.001	Soil	SVO-A-007	SW-846 8270B	02E0001-022	BU38-0009	TERPHENYL-D14	1718-51-0	74	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Arsenic	7440-38-2	3 4	UG/L	U	J	105/214/232	3 4
02E0001-023 001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Arsenic	7440-38-2	108	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Arsenic	7440-38-2	112	%REC				
02E0001-023 001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Barium	7440-39-3	88	%REC				
02E0001-023 001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Barium	7440-39-3	90	%REC				
02E0001-023 001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Barium	7440-39-3	839	UG/L	B	V	214/232	0.88
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Cadmium	7440-43-9	3 6	UG/L	B	V	214/232	0 35
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Cadmium	7440-43-9	96	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Cadmium	7440-43-9	97	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	CHROMIUM	7440-47-3	26 6	UG/L	B	J	117/214/232/804	0 51
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	CHROMIUM	7440-47-3	99	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	CHROMIUM	7440-47-3	102	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Lead	7439-92 1	100	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Lead	7439-92 1	105	%REC				
02E0001-023 001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Lead	7439-92 1	5270	UG/L		V	214/232	2
02E0001-023 001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Mercury	7439-97-6	0 023	UG/L	U	V	214/232	0 023
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Selenium	7782-49-2	5 4	UG/L	B	UJ	107/214/232	4 8
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Selenium	7782-49-2	109	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Selenium	7782-49-2	112	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Silver	7440-22-4	1.2	UG/L	B	UJ	105/107/214/232	0 47
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Silver	7440-22-4	108	%REC				
02E0001-023.001	Soil	MET-A-031	SW-846-TOTAL	02E0001-023	123 SLAB REMOVAL GRAB SMPL	Silver	7440-22-4	109	%REC				
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	URANIUM	11-09-6	15 7	MG/KG	U			15 7
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Aluminum	7429-90-5	5730	MG/KG		V		5 3
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Antimony	7440-36-0	0.3	MG/KG	U	J	105/112	0 3
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Arsenic	7440-38-2	1 7	MG/KG	B	J	105	0.38
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Barium	7440-39-3	44 3	MG/KG				0 097
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Beryllium	7440-41 7	0 32	MG/KG		UJ	107	0 056
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	BORON	7440-42-8	1 1	MG/KG	U	V		1 1
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Cadmium	7440-43-9	0.21	MG/KG	B	UJ	107	0 039
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	CALCIUM	7440-70-2	1870	MG/KG		J	105/111	5 1
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	CHROMIUM	7440-47-3	9.5	MG/KG		V		0 057
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Cobalt	7440-48-4	3	MG/KG	B	V		0.52
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Copper	7440-50-8	10 3	MG/KG		J	117	0 12
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Iron	7439-89-6	10900	MG/KG		V		1 8
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Lead	7439-92 1	21 8	MG/KG		V		0 22
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Lithium	7439-93-2	7 1	MG/KG	B			0 46
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	MAGNESIUM	7439-95-4	1840	MG/KG		V		4
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Manganese	7439-96-5	145	MG/KG		J	112	0 053
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Mercury	7439-97-6	0 004	MG/KG	U			0 004
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Mercury	7439-97-6	0 03	MG/KG	B			0 004
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Mercury	7439-97-6	107	%REC				
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Molybdenum	7439-98-7	0.15	MG/KG	U	V		0 15
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Nickel	7440-02-0	5.3	MG/KG	B	V		0 78
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	POTASSIUM	7440-09-7	2290	MG/KG		V		78.8
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Selenium	7782-49-2	0.58	MG/KG	B	V		0.54
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	SILICA	7631-86-9	125	MG/KG		J	110/113	3 9
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Silver	7440-22-4	0.053	MG/KG	U	V		0.053
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	SODIUM	7440-23-5	393	MG/KG	U	V		393

91

02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Strontium	7440-24-6	10 3	MG/KG	B	V		0 04
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	THALLIUM	7440-28-0	0 66	MG/KG	B	UJ	107	0 46
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Tin	7440-31-5	1 7	MG/KG	B	UJ	107	0 49
02E0001-024.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Titanium	7440-32-6	336	MG/KG		V		0 18
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Vanadium	7440-62 2	16 5	MG/KG		V		0.57
02E0001-024 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-024	123 SLAB REMOVAL GRAB SMPL	Zinc	7440-66-6	38 6	MG/KG		V		1 5
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	URANIUM	11-09-6	15 1	MG/KG	U	V		15 1
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	URANIUM	11-09-6	91	%REC				
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	URANIUM	11-09-6	93	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Aluminum	7429-90-5	22	%REC	N			
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Aluminum	7429-90-5	928	%REC	N			
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Aluminum	7429-90-5	3790	MG/KG		V		5 1
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Antimony	7440-36-0	0.29	MG/KG	U	J	105/112	0.29
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Antimony	7440-36-0	70	%REC	N			
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Antimony	7440-36-0	71	%REC	N			
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Arsenic	7440-38-2	1 8	MG/KG	B	J	105	0 37
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Arsenic	7440-38-2	94	%REC				
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Arsenic	7440-38-2	97	%REC				
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Barium	7440-39-3	35 8	MG/KG				0 093
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Barium	7440-39-3	96	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Barium	7440-39-3	108	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Beryllium	7440-41 7	0.25	MG/KG		UJ	107	0 054
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Beryllium	7440-41 7	96	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Beryllium	7440-41 7	97	%REC				
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	BORON	7440-42-8	1 1	MG/KG	U	V		1 1
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	BORON	7440-42-8	91	%REC				
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Cadmium	7440-43-9	0.23	MG/KG	B	UJ	107	0 038
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Cadmium	7440-43-9	90	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Cadmium	7440-43-9	92	%REC				
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	CALCIUM	7440-70-2	121	%REC	N			
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	CALCIUM	7440-70-2	225	%REC	N*			
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	CALCIUM	7440-70-2	2260	MG/KG		J	105/111	4 8
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	CHROMIUM	7440-47-3	7 3	MG/KG		V		0 055
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	CHROMIUM	7440-47-3	95	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	CHROMIUM	7440-47-3	101	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Cobalt	7440-48-4	2 4	MG/KG	B	V		0 5
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Cobalt	7440-48-4	93	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Cobalt	7440-48-4	96	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Copper	7440-50-8	9.5	MG/KG		J	117	0 12
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Copper	7440-50-8	99	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Copper	7440-50-8	102	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Iron	7439-89-6	0	%REC	N			
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Iron	7439-89-6	9290	MG/KG		V		1 7
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Lead	7439-92-1	11 8	MG/KG		V		0.22
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Lead	7439-92-1	85	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Lead	7439-92-1	88	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Lithium	7439-93-2	5 8	MG/KG	B			0.44
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Lithium	7439-93-2	96	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Lithium	7439-93-2	99	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	MAGNESIUM	7439-95-4	101	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	MAGNESIUM	7439-95-4	103	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	MAGNESIUM	7439-95-4	1530	MG/KG		V		3 9
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Manganese	7439-96-5	63	%REC	N			
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Manganese	7439-96-5	88	%REC	N			
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Manganese	7439-96-5	137	MG/KG		J	112	0 051
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Mercury	7439-97-6	0 0039	MG/KG	U			0 0039
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Molybdenum	7439-98-7	0.22	MG/KG	B	UJ	107	0 14
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Molybdenum	7439-98-7	90	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Molybdenum	7439-98-7	91	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Nickel	7440-02-0	3.9	MG/KG	B	V		0 73
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Nickel	7440-02-0	92	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Nickel	7440-02-0	98	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	POTASSIUM	7440-09-7	105	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	POTASSIUM	7440-09-7	1790	MG/KG		V		75 4
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Selenium	7782-49-2	0 77	MG/KG	B	V		0.52
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Selenium	7782-49-2	90	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Selenium	7782-49-2	93	%REC				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	SILICA	7631-86-9	16	%REC	N			
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	SILICA	7631-86-9	19	%REC	N			
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	SILICA	7631-86-9	103	MG/KG		J	110/113	3.8
02E0001-025 001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL	Silver	7440-22-4	0.051	MG/KG	U	V		0.051

92

02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Silver	7440-22-4	90	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Silver	7440-22-4	94	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	SODIUM	7440-23-5	100	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	SODIUM	7440-23-5	377	MG/KG	U	V			377
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Strontium	7440-24-6	9.4	MG/KG	B	V			0.039
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Strontium	7440-24-6	96	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Strontium	7440-24-6	107	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	THALLIUM	7440-28-0	0.71	MG/KG	B	UJ	107		0.44
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	THALLIUM	7440-28-0	89	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	THALLIUM	7440-28-0	91	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Tin	7440-31-5	1.8	MG/KG	B	UJ	107		0.47
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Tin	7440-31-5	91	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Tin	7440-31-5	92	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Titanium	7440-32-6	89	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Titanium	7440-32-6	96	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Titanium	7440-32-6	322	MG/KG		V			0.17
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Vanadium	7440-62-2	13.1	MG/KG		V			0.55
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Vanadium	7440-62-2	99	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Vanadium	7440-62-2	111	%REC	N				
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Zinc	7440-66-6	30.3	MG/KG		V			1.4
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Zinc	7440-66-6	89	%REC					
02E0001-025.001	Soil	MET-A-023	SW-846 6010/6010B	02E0001-025	123 SLAB REMOVAL GRAB SMPL.	Zinc	7440-66-6	94	%REC					
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	AC-228	7440-34-8	1.23	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	Bi-212		1.8	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	Bi-214		0.599	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	K-40	13966-0-2	21.5	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	PA-234		0	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	PA-234M		0	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	PB-212		1.04	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	PB-214		0.764	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	PO-210	13981-52-7	0	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	RA-226	10031-23-9	2.03	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	TH-231		0	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	TL-208		0.482	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	Americium-241	14596-10-2	0	pCi/g				0	4
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	CESIUM-134	13967-70-9	1.99	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0002-001.001	Soil	RC10B019	HPGe	02E0002-001	123 PAD SOIL SAMPLE	Uranium-238	7440-61-1	0	pCi/g				0	8
02E0003-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-001	BU38-0005	Americium-241	14596-10-2	0.0496	PCi/G	J				0.0368
02E0003-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-001	BU38-0005	Plutonium-239/240	10-12-8	-0.0115	PCi/G	U				0.111
02E0003-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-001	BU38-0005	Uranium-234	11-08-5	0.521	PCi/G	J				0.109
02E0003-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-001	BU38-0005	Uranium-235	15117-96-1	0.0616	PCi/G	J				0.0537
02E0003-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-001	BU38-0005	Uranium-238	7440-61-1	0.662	PCi/G	J				0.0909
02E0003-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-002	BU38-0006	Americium-241	14596-10-2	0.019	PCi/G	U				0.088
02E0003-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-002	BU38-0006	Plutonium-239/240	10-12-8	-0.0212	PCi/G	U				0.167
02E0003-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-002	BU38-0006	Uranium-234	11-08-5	0.498	PCi/G	J				0.107
02E0003-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-002	BU38-0006	Uranium-235	15117-96-1	-0.00165	PCi/G	U				0.101
02E0003-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-002	BU38-0006	Uranium-238	7440-61-1	0.578	PCi/G	J				0.0713
02E0003-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-003	BU38-0007	Americium-241	14596-10-2	0.0186	PCi/G	U				0.0865
02E0003-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-003	BU38-0007	Plutonium-239/240	10-12-8	0.0425	PCi/G	U				0.105
02E0003-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-003	BU38-0007	Uranium-234	11-08-5	0.536	PCi/G	J				0.139
02E0003-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-003	BU38-0007	Uranium-235	15117-96-1	-0.00154	PCi/G	U				0.0947
02E0003-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-003	BU38-0007	Uranium-238	7440-61-1	0.508	PCi/G	J				0.0752
02E0003-004.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-004	BU38-0008	Americium-241	14596-10-2	0.0127	PCi/G	U				0.027
02E0003-004.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-004	BU38-0008	Plutonium-239/240	10-12-8	-0.0129	PCi/G	U				0.124
02E0003-004.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-004	BU38-0008	Uranium-234	11-08-5	0.489	PCi/G	J				0.0846
02E0003-004.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-004	BU38-0008	Uranium-235	15117-96-1	0.0324	PCi/G	U				0.0867
02E0003-004.002	Soil	ASP-A-004	ALPHA SPEC	02E0003-004	BU38-0008	Uranium-238	7440-61-1	0.496	PCi/G	J				0.0865
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Americium-241	14596-10-2	0.0277	PCi/G	U				0.0829
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Americium-241	14596-10-2	0.0762	PCi/G	U				0.1
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Plutonium-239/240	10-12-8	0.101	PCi/G	U				0.144
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Plutonium-239/240	10-12-8	0.106	PCi/G	J				0.0526
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Uranium-234	11-08-5	0.388	PCi/G	J				0.144
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Uranium-234	11-08-5	0.453	PCi/G	J				0.147
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Uranium-235	15117-96-1	-0.00565	PCi/G	U				0.144
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Uranium-235	15117-96-1	0.0281	PCi/G	U				0.126
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Uranium-238	7440-61-1	0.332	PCi/G	J				0.144
02E0008-001.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-001	Northern Process Line	Uranium-238	7440-61-1	0.744	PCi/G	J				0.0822
02E0008-001.003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	AC-228	7440-34-8	1.88	pCi/g				0	
02E0008-001.003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	Bi-212		2.15	pCi/g				0	

93

02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	Bi-214		0 612	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	CO-57	13981-50-5	0 128	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	K-40	13966-0-2	13 9	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	PA-234		0	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	PA-234M		0	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	PB-212		1 89	pCi/g			0	
02E0008-001.003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	PB-214		0 973	pCi/g			0	
02E0008-001.003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	PO-210	13981-52 7	0	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	RA-226	10031 23-9	0	pCi/g			0	
02E0008-001.003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	Th-231		0	pCi/g			0	
02E0008-001.003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	TL 208		0 611	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	Americium-241	14596-10-2	0	pCi/g			0	4
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	Uranium-235	15117-96-1	0 146	pCi/g			0	1
02E0008-001 003	Soil	RC10B019	HPGe	02E0008-001	Northern Process Line	Uranium-238	7440-61 1	0	pCi/g			0	8
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	AC-228	7440-34-6	1.2	pCi/g			0	
02E0008-002 001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	Bi-212		0	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	Bi-214		0 608	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	K-40	13966-0-2	26 5	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	PA-234		0	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	PA-234M		0	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	PB-212		0 955	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	PB-214		1 01	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	PO-210	13981-52 7	0	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	RA-226	10031-23-9	3.2	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	Th-231		0	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	TL 208		0 487	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	Americium-241	14596-10-2	0	pCi/g			0	4
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	Uranium-235	15117-96-1	0	pCi/g			0	1
02E0008-002.001	Soil	RC10B019	HPGe	02E0008-002	Northern Point	Uranium-238	7440-61 1	0	pCi/g			0	8
02E0008-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-002	Northern Point	Americium-241	14596-10-2	0 0185	PCi/G	U			0 0301
02E0008-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-002	Northern Point	Plutonium-239/240	10-12-8	0 0431	PCi/G	U			0.257
02E0008-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-002	Northern Point	Uranium-234	11-08-5	0 809	PCi/G	J			0 127
02E0008-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-002	Northern Point	Uranium-235	15117-96-1	0 0744	PCi/G	J			0 0448
02E0008-002.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-002	Northern Point	Uranium-238	7440-61 1	1 01	PCi/G				0 0445
02E0008-003 001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	AC-228	7440-34-6	1 39	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	Bi-212		1 67	pCi/g			0	
02E0008-003 001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	Bi-214		0 732	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	K-40	13966-0-2	18 4	pCi/g			0	
02E0008-003 001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	PA-234		0	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	PA-234M		0	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	PB-212		0 902	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	PB-214		1 01	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	PO-210	13981-52 7	0	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	RA-226	10031-23-9	0	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	Th-231		0	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	TL-208		0 338	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	Americium-241	14596-10-2	0	pCi/g			0	4
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	Uranium-235	15117-96-1	0 162	pCi/g			0	1
02E0008-003.001	Soil	RC10B019	HPGe	02E0008-003	Mid-Point	Uranium-238	7440-61 1	0	pCi/g			0	8
02E0008-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-003	Mid-Point	Americium-241	14596-10-2	0 000501	PCi/G	U			0 0455
02E0008-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-003	Mid-Point	Plutonium-239/240	10-12-8	-0 047	PCi/G	U			0 178
02E0008-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-003	Mid-Point	Uranium-234	11-08-5	0.808	PCi/G	J			0 0745
02E0008-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-003	Mid-Point	Uranium-235	15117-96-1	0 0491	PCi/G	U			0 0923
02E0008-003.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-003	Mid-Point	Uranium-238	7440-61 1	0 814	PCi/G	J			0 108
02E0008-004 001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	AC-228	7440-34-6	1 42	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	Bi-212		1 12	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	Bi-214		0.886	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	K-40	13966-0-2	20.1	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	PA-234		0	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	PA-234M		0	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	PB-212		1.21	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	PB-214		0 743	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	PO-210	13981-52-7	0	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	RA-226	10031-23-9	0	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	Th-231		0	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	TL-208		0 447	pCi/g			0	
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	Americium-241	14596-10-2	0	pCi/g			0	4
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	THORIUM-230	14269-63-7	0	pCi/g			0	

94

02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	Uranium-235	15117-96-1	0.24	pCi/g				0	1
02E0008-004.001	Soil	RC10B019	HPGe	02E0008-004	Southern Point	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0008-004.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-004	Southern Point	Americium-241	14596-10-2	0 00454	PCI/G	U				0 0441
02E0008-004.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-004	Southern Point	Plutonium-239/240	10-12-8	-0 0103	PCI/G	U				0 137
02E0008-004 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-004	Southern Point	Uranium-234	11-08-5	0 66	PCI/G	J				0 0652
02E0008-004 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-004	Southern Point	Uranium-235	15117-96-1	0 0188	PCI/G	U				0 0283
02E0008-004 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-004	Southern Point	Uranium-238	7440-61 1	0 679	PCI/G	J				0 0652
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	AC-228	7440-34-6	1 91	pCi/g				0	
02E0008-005 001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	BI-212		0	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	BI-214		0 668	pCi/g				0	
02E0008-005 001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	K-40	13966-0-2	21 8	pCi/g				0	
02E0008-005 001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	PA-234		0	pCi/g				0	
02E0008-005 001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	PA-234M		0	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	PB-212		1 1	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	PB-214		0 776	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	PO-210	13981-52-7	0	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	RA-226	10031-23-9	3 08	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	Th-231		0	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	TL-208		0.47	pCi/g				0	
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-005 001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-005.001	Soil	RC10B019	HPGe	02E0008-005	Southern Point Dup	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0008-005.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-005	Souther Point Dup	Americium-241	14596-10-2	-0 00771	PCI/G	U				0 0459
02E0008-005.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-005	Souther Point Dup	Plutonium-239/240	10-12-8	0 00967	PCI/G	U				0 148
02E0008-005.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-005	Souther Point Dup	Uranium-234	11-08-5	0 621	PCI/G	J				0 0986
02E0008-005.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-005	Souther Point Dup	Uranium-235	15117-96-1	0 0668	PCI/G	J				0 0288
02E0008-005.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-005	Souther Point Dup	Uranium-238	7440-61 1	0 651	PCI/G	J				0 0549
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E. Process Line	AC-228	7440-34-6	0	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	BI-212		0 967	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	BI-214		0.259	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	K-40	13966-0-2	12.3	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	PA-234		0	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	PA-234M		0	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	PB-212		0.701	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	PB-214		0.418	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	PO-210	13981-52-7	0	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	RA-226	10031-23-9	0	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	Th-231		0	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	TL-208		0.24	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E. Process Line	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-006.001	Soil	RC10B019	HPGe	02E0008-006	123 Emergency S.E Process Line	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0008-006.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-006	123 Emergency S.E. Process Line	Americium-241	14596-10-2	-0 0277	PCI/G	U				0.187
02E0008-006.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-006	123 Emergency S.E. Process Line	Plutonium-239/240	10-12-8	-0 0114	PCI/G	U				0 11
02E0008-006.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-006	123 Emergency S.E. Process Line	Uranium-234	11-08-5	0 959	PCI/G	J				0 11
02E0008-006.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-006	123 Emergency S.E Process Line	Uranium-235	15117-96-1	0 0243	PCI/G	U				0 0993
02E0008-006.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-006	123 Emergency S.E Process Line	Uranium-238	7440-61 1	0.907	PCI/G	J				0 0477
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	AC-228	7440-34-6	2 1	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	BI-212		2 08	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	BI-214		0 718	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	K-40	13966-0-2	27 6	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	NPU-233		0	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	PA-234		0	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	PA-234M		0	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	PB-212		1.86	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	PB-214		0.422	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	PO-210	13981-52 7	0	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	RA-224		2 18	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	RA-226	10031 23-9	2 99	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	Th-231		0	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	TL-208		0 715	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-007.001	Soil	RC10B019	HPGe	02E0008-007	BU39-0005	Uranium-238	7440-61 1	0 728	pCi/g				0	8
02E0008-007.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-007	BU39-0005	Americium-241	14596-10-2	0.025	PCI/G	U				0 0329
02E0008-007.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-007	BU39-0005	Plutonium-239/240	10-12-8	-0 00353	PCI/G	U				0 143
02E0008-007.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-007	BU39-0005	Uranium-234	11-08-5	0.836	PCI/G	J				0 0894
02E0008-007 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-007	BU39-0005	Uranium-235	15117-96-1	0 0451	PCI/G	U				0 0696

95

02E0008-007.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-007	BU39-0005	Uranium-238	7440-61 1	0.598	PCi/G	J				0 0468
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	AC-228	7440-34-8	1 8	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	BI-212		1 76	pCi/g				0	
02E0008-008 001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	BI-214		0 62	pCi/g				0	
02E0008-008 001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	K-40	13966-0-2	18 8	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	NPAJ-233		0	pCi/g				0	
02E0008-008 001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	PA-234		0	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	PA-234M		0	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	PB-212		1.28	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	PB-214		0.553	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	PO-210	13981-52 7	0	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	RA 224		2 18	pCi/g				0	
02E0008-008 001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	RA 226	10031 23-9	3.26	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	Th-231		0	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	TL 208		0 471	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-008 001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-008.001	Soil	RC10B019	HPGe	02E0008-008	BU39-0003	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0008-008.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-008	BU39-0003	Americium-241	14596-10-2	0 0268	PCi/G	U				0 0413
02E0008-008 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-008	BU39-0003	Plutonium-239/240	10-12-8	0 021	PCi/G	U				0 114
02E0008-008 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-008	BU39-0003	Uranium-234	11-08-5	0 871	PCi/G	J				0 116
02E0008-008.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-008	BU39-0003	Uranium-235	15117-96-1	0 0494	PCi/G	U				0 0877
02E0008-008.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-008	BU39-0003	Uranium-238	7440-61 1	1 13	PCi/G					0 0548
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	AC-228	7440-34-8	1 32	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	BI-212		0	pCi/g				0	
02E0008-009 001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	BI-214		0 699	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	K-40	13966-0-2	25 4	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	PA-234		0	pCi/g				0	
02E0008-009 001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	PA-234M		0	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	PB-212		1 12	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	PB-214		1 17	pCi/g				0	
02E0008-009 001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	PO-210	13981-52 7	0	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	RA 226	10031 23-9	5 73	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	Th-231		0	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	TL-208		0.58	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	CESIUM-134	13967 70-9	1.5	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-009.001	Soil	RC10B019	HPGe	02E0008-009	BU39-0004	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0008-009.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-009	BU39-0004	Americium-241	14596-10-2	0 0823	PCi/G	J				0.013
02E0008-009.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-009	BU39-0004	Plutonium-239/240	10-12-8	0 0417	PCi/G	U				0 104
02E0008-009.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-009	BU39-0004	Uranium-234	11-08-5	0 893	PCi/G	J				0 0738
02E0008-009.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-009	BU39-0004	Uranium-235	15117-96-1	0 0573	PCi/G	J				0 05
02E0008-009.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-009	BU39-0004	Uranium-238	7440-61 1	0 677	PCi/G	J				0 0498
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	AC-228	7440-34-8	1 78	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	BI-212		0	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	BI-214		1 05	pCi/g				0	
02E0008-010 001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	K-40	13966-0-2	25 6	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	NPAJ-233		0	pCi/g				0	
02E0008-010 001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	PA-234		0	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	PA-234M		0	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	PB-212		1 69	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	PB-214		0 822	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	PO-210	13981-52 7	0	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	RA-224		0	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	RA-226	10031 23-9	4 17	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	Th-231		0	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	TL-208		0.595	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-010.001	Soil	RC10B019	HPGe	02E0008-010	BV39-0001	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0008-010.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-010	BV39-0001	Americium-241	14596-10-2	0.0205	PCi/G	U				0.0435
02E0008-010.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-010	BV39-0001	Plutonium-239/240	10-12-8	-0.0473	PCi/G	U				0 172
02E0008-010.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-010	BV39-0001	Uranium-234	11-08-5	0.818	PCi/G	J				0 117
02E0008-010.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-010	BV39-0001	Uranium-235	15117-96-1	0.0842	PCi/G	U				0.146
02E0008-010.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-010	BV39-0001	Uranium-238	7440-61-1	0.888	PCi/G	J				0 088
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	AC-228	7440-34-8	0.886	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	BI-212		0	pCi/g				0	

96

02E0008-011 001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	Bi-214		0 681	pCi/g				0	
02E0008-011 001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	K-40	13966-0-2	11	pCi/g				0	
02E0008-011 001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	PA-234		0	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	PA-234M		0	pCi/g				0	
02E0008-011 001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	PB-212		0 83	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	PB-214		0 501	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	PO-210	13981-52-7	0	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	RA-226	10031-23-9	3 97	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	Th-231		0	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	TL-208		0.288	pCi/g				0	
02E0008-011 001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	CESIUM-134	13967 70-9	0 0579	pCi/g				0	
02E0008-011 001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-011.001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-011 001	Soil	RC10B019	HPGe	02E0008-011	Eastern Process Line	Uranium-238	7440-61 1	2.47	pCi/g				0	8
02E0008-011.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-011	Eastern Process Line	Americium-241	14596-10-2	0 131	PCi/G	J				0 0491
02E0008-011 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-011	Eastern Process Line	Plutonium-239/240	10-12-8	0 0562	PCi/G	J				0 0444
02E0008-011 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-011	Eastern Process Line	Uranium-234	11-08-5	0 65	PCi/G	J				0 0834
02E0008-011.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-011	Eastern Process Line	Uranium-235	15117-96-1	0 0403	PCi/G	J				0 0403
02E0008-011.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-011	Eastern Process Line	Uranium-238	7440-61 1	0 596	PCi/G	J				0.0402
02E0008-014.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-014	Western Pits	Americium-241	14596-10-2	0 0363	PCi/G	J				0 0321
02E0008-014.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-014	Western Pits	Plutonium-239/240	10-12-8	-0 035	PCi/G	U				0 185
02E0008-014 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-014	Western Pits	Uranium-234	11-08-5	0.945	PCi/G	J				0.0575
02E0008-014.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-014	Western Pits	Uranium-235	15117-96-1	0.0355	PCi/G	U				0 0576
02E0008-014 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-014	Western Pits	Uranium-238	7440-61 1	0.805	PCi/G	J				0 0575
02E0008-015.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-015	Western Pits	Americium-241	14596-10-2	0.0599	PCi/G	U				0.0724
02E0008-015.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-015	Western Pits	Plutonium-239/240	10-12-8	0 0481	PCi/G	U				0.102
02E0008-015.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-015	Western Pits	Uranium-234	11-08-5	0.85	PCi/G	J				0.12
02E0008-015.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-015	Western Pits	Uranium-235	15117-96-1	0 0666	PCi/G	U				0.0663
02E0008-015.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-015	Western Pits	Uranium-238	7440-61-1	0.851	PCi/G	J				0.0662
02E0008-016.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-016	Middle Pits	Americium-241	14596-10-2	0.0163	PCi/G	U				0.0307
02E0008-016.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-016	Middle Pits	Plutonium-239/240	10-12-8	0 0186	PCi/G	U				0.127
02E0008-016.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-016	Middle Pits	Uranium-234	11-08-5	0.66	PCi/G	J				0.0574
02E0008-016.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-016	Middle Pits	Uranium-235	15117-96-1	0 0163	PCi/G	U				0.0575
02E0008-016.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-016	Middle Pits	Uranium-238	7440-61 1	0.607	PCi/G	J				0.0666
02E0008-017 002	Soil	ASP-A-004	ALPHA SPEC	02E0008-017	Eastern Pits	Americium-241	14596-10-2	0.0609	PCi/G	J				0.0561
02E0008-017.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-017	Eastern Pits	Plutonium-239/240	10-12-8	0 035	PCi/G	U				0 117
02E0008-017.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-017	Eastern Pits	Uranium-234	11-08-5	0 938	PCi/G	J				0 067
02E0008-017.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-017	Eastern Pits	Uranium-235	15117-96-1	0 00194	PCi/G	U				0.0694
02E0008-017.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-017	Eastern Pits	Uranium-238	7440-61 1	0.677	PCi/G	J				0.0758
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	AC-228	7440-34-8	3 78	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	Bi-212		3.38	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	Bi-214		0.845	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	K-40	13966-0-2	23.6	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	PA-234		0	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	PA-234M		0	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	PB-212		2.9	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	PB-214		1.25	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	PO-210	13981-52-7	0	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	RA-226	10031-23-9	0	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	Th-231		0	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	TL-208		0.832	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	Americium-241	14596-10-2	0	pCi/g				0	4
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0008-018.001	Soil	RC10B019	HPGe	02E0008-018	B123 Metal Manhole	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0008-018.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-018	B123 Metal Manhole	Americium-241	14596-10-2	0 0492	PCi/G	U				0 122
02E0008-018.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-018	B123 Metal Manhole	Plutonium-239/240	10-12-8	0.0485	PCi/G	U				0 103
02E0008-018.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-018	B123 Metal Manhole	Uranium-234	11-08-5	0.817	PCi/G	J				0 181
02E0008-018.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-018	B123 Metal Manhole	Uranium-235	15117-96-1	0.0656	PCi/G	U				0 169
02E0008-018.002	Soil	ASP-A-004	ALPHA SPEC	02E0008-018	B123 Metal Manhole	Uranium-238	7440-61 1	0.835	PCi/G	J				0 154
02E0010-004.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-004	Source Pit	Americium-241	14596-10-2	0 0521	PCi/G	U				0 0966
02E0010-004.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-004	Source Pit	Plutonium-239/240	10-12-8	0 0234	PCi/G	U				0 127
02E0010-004.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-004	Source Pit	Uranium-234	11-08-5	0.434	PCi/G	J				0 115
02E0010-004.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-004	Source Pit	Uranium-235	15117-96-1	0.051	PCi/G	U				0.0676
02E0010-004.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-004	Source Pit	Uranium-238	7440-61 1	0.309	PCi/G	J				0.0673
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	AC-228	7440-34-8	1 79	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	Bi-212		0	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	Bi-214		0 753	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	K-40	13966-0-2	20.9	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	PA-234		0	pCi/g				0	

97

02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	PA-234M		0	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	PB-212		1.48	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	PB-214		0.78	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	PO-210	13981-52-7	0	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	RA-226	10031-23-9	2.47	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	Th-231		0	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	TL-208		0.567	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0010-004.002	Soil	RC10B019	HPGe	02E0010-004	Source Pit	Uranium-238	7440-61-1	0	pCi/g				0	8
02E0010-005.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-005	Source Well Pipe	Americium-241	14596-10-2	0.047	PCi/G	U				0.117
02E0010-005.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-005	Source Well Pipe	Plutonium-239/240	10-12-8	0.0101	PCi/G	U				0.103
02E0010-005.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-005	Source Well Pipe	Uranium-234	11-08-5	0.742	PCi/G	J				0.082
02E0010-005.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-005	Source Well Pipe	Uranium-235	15117-96-1	0.0468	PCi/G	J				0.0468
02E0010-005.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-005	Source Well Pipe	Uranium-238	7440-61-1	0.897	PCi/G	J				0.082
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	AC-228	7440-34-8	0.943	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	Bi-212		1.87	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	Bi-214		0.629	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	K-40	13966-0-2	18	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	PA-234		0	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	PA-234M		0	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	PB-212		1.04	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	PB-214		0.544	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	PO-210	13981-52-7	0	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	RA-226	10031-23-9	0	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	Th-231		0	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	TL-208		0.276	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0010-005.002	Soil	RC10B019	HPGe	02E0010-005	Source Well Pipe	Uranium-238	7440-61-1	0	pCi/g				0	8
02E0010-006.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-006	North Sand Pile	Americium-241	14596-10-2	0.0353	PCi/G	U				0.106
02E0010-006.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-006	North Sand Pile	Plutonium-239/240	10-12-8	-0.0107	PCi/G	U				0.103
02E0010-006.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-006	North Sand Pile	Uranium-234	11-08-5	0.364	PCi/G	J				0.232
02E0010-006.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-006	North Sand Pile	Uranium-235	15117-96-1	-0.00518	PCi/G	U				0.132
02E0010-006.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-006	North Sand Pile	Uranium-238	7440-61-1	0.262	PCi/G	J				0.0698
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	AC-228	7440-34-8	1.4	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	Bi-212		0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	Bi-214		0.753	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	K-40	13966-0-2	23.5	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	PA-234		0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	PA-234M		0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	PB-212		1.27	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	PB-214		0.74	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	PO-210	13981-52-7	0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	RA-226	10031-23-9	0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	Th-231		0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	TL-208		0.577	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0010-006.002	Soil	RC10B019	HPGe	02E0010-006	North Sand Pile	Uranium-238	7440-61-1	0	pCi/g				0	8
02E0010-007.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-007	South Sand Pile	Americium-241	14596-10-2	0.0732	PCi/G	J				0.0549
02E0010-007.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-007	South Sand Pile	Plutonium-239/240	10-12-8	0.0824	PCi/G	U				0.133
02E0010-007.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-007	South Sand Pile	Uranium-234	11-08-5	0.532	PCi/G	J				0.2
02E0010-007.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-007	South Sand Pile	Uranium-235	15117-96-1	-0.0104	PCi/G	U				0.171
02E0010-007.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-007	South Sand Pile	Uranium-238	7440-61-1	0.377	PCi/G	J				0.146
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	AC-228	7440-34-8	1.59	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	Bi-212		0	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	Bi-214		0.678	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	K-40	13966-0-2	22.3	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	PA-234		0	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	PA-234M		0	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	PB-212		1.5	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	PB-214		0.755	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	PO-210	13981-52-7	0	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	RA-226	10031-23-9	0	pCi/g				0	

98

C#C-

d#

UBC 123
Analytical Data

02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	Th-231		0	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	TL-208		0 668	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-007.002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-007 002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0010-007 002	Soil	RC10B019	HPGe	02E0010-007	South Sand Pile	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0010-008.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-008	In Process, South of BU38-0004	Americium-241	14596-10-2	0 0263	PCI/G	U				0 0395
02E0010-008.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-008	In Process, South of BU38-0004	Plutonium-239/240	10-12-8	-0 0231	PCI/G	U				0 0787
02E0010-008.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-008	In Process, South of BU38-0004	Uranium-234	11-08-5	0.372	PCI/G	J				0 0968
02E0010-008.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-008	In Process, South of BU38-0004	Uranium-235	15117-96-1	0 00976	PCI/G	U				0 0678
02E0010-008.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-008	In Process, South of BU38-0004	Uranium-238	7440-61 1	0 352	PCI/G	J				0 0797
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	AC-228	7440-34-8	0 813	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	Bi-212	14913-49-6	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	Bi-214	14733-03-0	0.377	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	K-40	13966-0-2	29.4	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	PA-234	15100-28-4	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	PA-234M	15100-28-4m	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	PB-212	15082-94-1	0.585	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	PB-214	15067-28-4	0 354	pCi/g				0	
02E0010-008 002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	PO-210	13981-52-7	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	RA-226	10031-23-9	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	Th-231	14932-40-2	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	TL-206	14913-50-9	0 198	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	Uranium-235	15117-96-1	0.215	pCi/g				0	1
02E0010-008.002	Soil	UR810819	HPGe	02E0010-008	In process, South of BU38-0004	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0010-010.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-010	BU38-0003	Americium-241	14596-10-2	0 00883	PCI/G	U				0 108
02E0010-010.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-010	BU38-0003	Plutonium-239/240	10-12-8	0 0157	PCI/G	U				0.0347
02E0010-010.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-010	BU38-0003	Uranium-234	11-08-5	1.22	PCI/G					0 111
02E0010-010.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-010	BU38-0003	Uranium-235	15117-96-1	0 0484	PCI/G	U				0.0856
02E0010-010.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-010	BU38-0003	Uranium-238	7440-61 1	1 35	PCI/G					0.0854
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	AC-228	7440-34-8	1.21	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	Bi-212	14913-49-6	1.86	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	Bi-214	14733-03-0	0.682	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	K-40	13966-0-2	11 8	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	PA-234	15100-28-4	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	PA-234M	15100-28-4m	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	PB-212	15082-94-1	1.21	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	PB-214	15067-28-4	0.581	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	PO-210	13981-52-7	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	RA-226	10031-23-9	2.8	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	Th-231	14932-40-2	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	TL-208	14913-50-9	0.356	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	Americium-241	14596-10-2	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	Uranium-235	15117-96-1	0	pCi/g				0	
02E0010-010.002	Soil	UR810819	HPGe	02E0010-010	BU38-003	Uranium-238	7440-61 1	1.46	pCi/g				0	
02E0010-011.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-011	BU38-0004	Americium-241	14596-10-2	0.0275	PCI/G	U				0.0413
02E0010-011.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-011	BU38-0004	Plutonium-239/240	10-12-8	0 00699	PCI/G	U				0 0105
02E0010-011.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-011	BU38-0004	Uranium-234	11-08-5	0.809	PCI/G	J				0 0902
02E0010-011.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-011	BU38-0004	Uranium-235	15117-96-1	0.0651	PCI/G	J				0.0391
02E0010-011.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-011	BU38-0004	Uranium-238	7440-61 1	0 86	PCI/G	J				0.0886
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	AC-228	7440-34-8	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	Bi-212	14913-49-6	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	Bi-214	14733-03-0	0 413	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	K-40	13966-0-2	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	PA-234	15100-28-4	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	PA-234M	15100-28-4m	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	PB-212	15082-94-1	0.999	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	PB-214	15067-28-4	0.555	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	PO-210	13981-52-7	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	RA-226	10031-23-9	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	Th-231	14932-40-2	0	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	TL-208	14913-50-9	0.377	pCi/g				0	
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-011.002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-011 002	Soil	UR810819	HPGe	02E0010-011	BU38-0004	THORIUM-230	14269-63-7	0	pCi/g				0	

99

02E0010-011.002	Soil	URS10B19	HPGe	02E0010-011	BU39-0004	Uranium-235	15117-96-1	0.203	pCi/g				0	1
02E0010-011.002	Soil	URS10B19	HPGe	02E0010-011	BU39-0004	Uranium-238	7440-61 1	1 66	pCi/g				0	8
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	AC-228	7440-34-8	1.87	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	Bi-212	14913-49-6	1.8	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	Bi-214	14733-03-0	0 862	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	K-40	13966-0-2	20.5	pCi/g				0	
02E0010-013 002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	PA-234	15100-28-4	0	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	PA-234M	15100-28-4m	3.44	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	PB-212	15092-94-1	1 63	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	PB-214	15067 28-4	0 782	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	PO-210	13981-52-7	0	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	RA-226	10031 23-9	2.24	pCi/g				0	
02E0010-013 002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	Th-231	14932-40-2	0	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	TL-208	14913-50-9	0.564	pCi/g				0	
02E0010-013 002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	Americium-241	14596-10-2	0	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	Uranium-235	15117-96-1	0	pCi/g				0	
02E0010-013.002	Soil	URS10B19	HPGe	02E0010-013	BU39-0001	Uranium-238	7440-61 1	3 03	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	AC-228	7440-34-8	1 1	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	Bi-212	14913-49-6	0	pCi/g					
02E0010-014 001	Soil	ASP-A-004	HPGe		East Trench	Bi-214	14733-03-0	0 442	pCi/g					
02E0010-014 001	Soil	ASP-A-004	HPGe		East Trench	K-40	13966-0-2	13 1	pCi/g					
02E0010-014 001	Soil	ASP-A-004	HPGe		East Trench	PA-234	15100-28-4	0	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	PA-234M	15100-28-4m	0	pCi/g					
02E0010-014 001	Soil	ASP-A-004	HPGe		East Trench	PB-212	15092-94-1	0 952	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	PB-214	15067-28-4	0.491	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	PO-210	13981-52-7	0	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	RA-226	10031-23-9	3 71	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	Th-231	14932-40-2	0	pCi/g					
02E0010-014 001	Soil	ASP-A-004	HPGe		East Trench	TL-208	14913-50-9	0.326	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	Americium-241	14596-10-2	0	pCi/g					4
02E0010-014 001	Soil	ASP-A-004	HPGe		East Trench	CESIUM-134	13967 70-9	0	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	THORIUM-230	14269-63-7	0	pCi/g					
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	Uranium-235	15117-96-1	0.23	pCi/g					1
02E0010-014.001	Soil	ASP-A-004	HPGe		East Trench	Uranium-238	7440-61 1	0	pCi/g					8
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	AC-228	7440-34-8	1 1	pCi/g				0	
02E0010-014 001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	Bi-212		0	pCi/g				0	
02E0010-014 001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	Bi-214		0 442	pCi/g				0	
02E0010-014 001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	K-40	13966-0-2	13 1	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	PA-234		0	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	PA-234M		0	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	PB-212		0 952	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	PB-214		0 491	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	PO-210	13981-52-7	0	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	RA-226	10031-23-9	3 71	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	Th-231		0	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	TL-208		0.326	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	Uranium-235	15117-96-1	0.23	pCi/g				0	1
02E0010-014.001	Soil	ASP-A-004	HPGe	02E0010-014	East Trench	Uranium-238	7440-61 1	0	pCi/g				0	8
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	AC-228	7440-34-8	1.07	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	Bi-212	14913-49-6	1 45	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	Bi-214	14733-03-0	0 61	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	K-40	13966-0-2	13.5	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	PA-234	15100-28-4	0	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	PA-234M	15100-28-4m	0	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	PB-212	15092-94-1	0 89	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	PB-214	15067-28-4	0.84	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	PO-210	13981-52 7	8620	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	RA-226	10031-23-9	0	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	Th-231	14932-40-2	0	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	TL-208	14913-50-9	0 366	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	Americium-241	14596-10-2	0	pCi/g					4
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	CESIUM-134	13967 70-9	0	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	THORIUM-230	14269-63-7	0	pCi/g					
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	Uranium-235	15117-96-1	0.236	pCi/g					1
02E0010-015.001	Soil	ASP-A-004	HPGe		Stockpile 1 S	Uranium-238	7440-61 1	2.98	pCi/g					8
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	AC-228	7440-34-8	1 07	pCi/g				0	

100

02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	Bi-212		1.45	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	Bi-214		0.61	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	K-40	13966-0-2	13.5	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	PA-234		0	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	PA-234M		0	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	PB-212		0.89	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	PB-214		0.64	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	PO-210	13981-52-7	6620	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	RA-226	10031-23-9	0	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	Th-231		0	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	TL-208		0.366	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	Uranium-235	15117-96-1	0.236	pCi/g				0	1
02E0010-015.001	Soil	ASP-A-004	HPGe	02E0010-015	Stockpile 1 S	Uranium-238	7440-61-1	2.88	pCi/g				0	8
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	AC-228	7440-34-8	0.909	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	Bi-212	14913-49-6	0	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	Bi-214	14733-03-0	0.445	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	K-40	13966-0-2	12.9	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	PA-234	15100-28-4	0	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	PA-234M	15100-28-4m	0	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	PB-212	15092-94-1	0.711	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	PB-214	15067-28-4	0.534	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	PO-210	13981-52-7	5270	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	RA-226	10031-23-9	0	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	Th-231	14932-40-2	0	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	TL-208	14913-50-9	0.325	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	Americium-241	14596-10-2	0	pCi/g					4
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	CESIUM-134	13967-70-9	0	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	THORIUM-230	14269-63-7	0	pCi/g					
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	Uranium-235	15117-96-1	0.289	pCi/g					1
02E0010-016.001	Soil	ASP-A-004	HPGe		Stockpile 2 M	Uranium-238	7440-61-1	3.46	pCi/g					8
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	AC-228	7440-34-8	0.909	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	Bi-212		0	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	Bi-214		0.445	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	K-40	13966-0-2	12.9	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	PA-234		0	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	PA-234M		0	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	PB-212		0.711	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	PB-214		0.534	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	PO-210	13981-52-7	5270	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	RA-226	10031-23-9	0	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	Th-231		0	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	TL-208		0.325	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	Uranium-235	15117-96-1	0.289	pCi/g				0	1
02E0010-016.001	Soil	ASP-A-004	HPGe	02E0010-016	Stockpile 2 M	Uranium-238	7440-61-1	3.46	pCi/g				0	8
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	AC-228	7440-34-8	1.01	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Bi-212	14913-49-6	1.56	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Bi-214	14733-03-0	0.629	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	K-40	13966-0-2	14	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PA-234	15100-28-4	0	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PA-234M	15100-28-4m	0	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PB-212	15092-94-1	1.08	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PB-214	15067-28-4	0.568	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PO-210	13981-52-7	0	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	RA-226	10031-23-9	0	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Th-231	14932-40-2	0	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	TL-208	14913-50-9	0.35	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Americium-241	14596-10-2	0	pCi/g					4
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	CESIUM-134	13967-70-9	0	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	THORIUM-230	14269-63-7	0	pCi/g					
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Uranium-235	15117-96-1	0.27	pCi/g					1
02E0010-017.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Uranium-238	7440-61-1	1.81	pCi/g					8
02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	AC-228	7440-34-8	1.01	pCi/g				0	
02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	Bi-212		1.56	pCi/g				0	
02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	Bi-214		0.629	pCi/g				0	
02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	K-40	13966-0-2	14	pCi/g				0	

101

02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	PA-234		0	pCi/g				0	
02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	PA-234M		0	pCi/g				0	
02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	PB-212		1 08	pCi/g				0	
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	PB-214		0.568	pCi/g				0	
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	PO-210	13981-52 7	0	pCi/g				0	
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	RA-226	10031-23-9	0	pCi/g				0	
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	Th-231		0	pCi/g				0	
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	TL 208		0 35	pCi/g				0	
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-017.001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	Uranium-235	15117-96-1	0.27	pCi/g				0	1
02E0010-017 001	Soil	ASP-A-004	HPGe	02E0010-017	Stockpile 3 N	Uranium-238	7440-61 1	1 81	pCi/g				0	8
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	AC-228	7440-34-8	1	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	BI-212	14913-49-6	1 71	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	BI-214	14733-03-0	0 47	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	K-40	13966-0-2	11 8	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PA-234	15100-28-4	0	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PA-234M	15100-28-4m	0	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PB-212	15082-94-1	0 778	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PB-214	15067-28-4	0 604	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	PO-210	13981-52 7	0	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	RA-226	10031-23-9	0	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Th-231	14932-40-2	0	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	TL-208	14913-50-9	0 316	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Americium-241	14596-10-2	0	pCi/g					4
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	CESIUM-134	13967 70-9	0	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	THORIUM-230	14269-63-7	0	pCi/g					
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Uranium-235	15117-96-1	0.21	pCi/g					1
02E0010-018.001	Soil	ASP-A-004	HPGe		Stockpile 3 N	Uranium-238	7440-61 1	1 7	pCi/g					8
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	AC-228	7440-34-8	1	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	BI-212		1 71	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	BI-214		0 47	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	K-40	13966-0-2	11.8	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	PA-234		0	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	PA-234M		0	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	PB-212		0 778	pCi/g				0	
02E0010-018 001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	PB-214		0 604	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	PO-210	13981-52 7	0	pCi/g				0	
02E0010-018 001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	RA-226	10031-23-9	0	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	Th-231		0	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	TL-208		0 316	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	Uranium-235	15117-96-1	0.21	pCi/g				0	1
02E0010-018.001	Soil	ASP-A-004	HPGe	02E0010-018	Stockpile 3 N	Uranium-238	7440-61 1	1 7	pCi/g				0	8
02E0010-019 001	Soil	ASP-A-004	ALPHA SPEC	02E0010-019	BU39-0011	Americium-241	14596-10-2	0 0865	PCI/G	U				0 0916
02E0010-019.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-019	BU39-0011	Plutonium-239/240	10-12-8	0 00753	PCI/G	U				0 0286
02E0010-019 001	Soil	ASP-A-004	ALPHA SPEC	02E0010-019	BU39-0011	Uranium-234	11-06-5	0.573	PCI/G	J				0.202
02E0010-019 001	Soil	ASP-A-004	ALPHA SPEC	02E0010-019	BU39-0011	Uranium-235	15117-96-1	0 00505	PCI/G	U				0 125
02E0010-019.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-019	BU39-0011	Uranium-238	7440-61 1	0 733	PCI/G	J				0 0949
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	AC-228	7440-34-8	1 07	pCi/g				0	
02E0010-019 002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	BI-212	14913-49-6	1.2	pCi/g				0	
02E0010-019 002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	BI-214	14733-03-0	0 617	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	K-40	13966-0-2	14 7	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	PA-234	15100-28-4	0	pCi/g				0	
02E0010-019 002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	PA-234M	15100-28-4m	0	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	PB-212	15082-94-1	1 15	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	PB-214	15067-28-4	0 79	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	PO-210	13981-52-7	0	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	RA-226	10031-23-9	4 14	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	Th-231	14932-40-2	0	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	TL-208	14913-50-9	0 326	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0010-019.002	Soil	URS10B	HPGe	02E0010-019	BU39-0011	Uranium-238	7440-61 1	3.09	pCi/g				0	8
02E0010-020.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-020	BV39-0003	Americium-241	14596-10-2	0 0306	PCI/G	U				0 0456
02E0010-020.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-020	BV39-0003	Plutonium-239/240	10-12-8	0 00357	PCI/G	U				0 0342

02E0010-020.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-020	BV39-0003	Uranium-234	11-08-5	0 97	PCI/G	J				0 133
02E0010-020.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-020	BV39-0003	Uranium-235	15117-96-1	0 058	PCI/G	U				0 123
02E0010-020 001	Soil	ASP-A-004	ALPHA SPEC	02E0010-020	BV39-0003	Uranium-238	7440-61 1	0 785	PCI/G	J				0 11
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	AC-228	7440-34-8	1.26	pCi/g				0	
02E0010-020 002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	Bi-212	14913-49-6	1 41	pCi/g				0	
02E0010-020 002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	Bi-214	14733-03-0	0 611	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	K-40	13966-0-2	17 9	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	PA-234	15100-26-4	0	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	PA-234M	15100-26-4m	0	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	PB-212	15092-94-1	1.26	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	PB-214	15067-26-4	0 912	pCi/g				0	
02E0010-020 002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	PO-210	13981-52 7	5410	pCi/g				0	
02E0010-020 002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	RA-226	10031-23-9	0	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	Th-231	14932-40-2	0	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	TL-208	14913-50-9	0 387	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	Uranium-235	15117-96-1	0 302	pCi/g				0	1
02E0010-020.002	Soil	URS10B	HPGe	02E0010-020	BV39-0003	Uranium-238	7440-61 1	3 7	pCi/g				0	8
02E0010-021.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-021	BV39-0003	Americium-241	14596-10-2	0 0139	PCI/G	U				0 0962
02E0010-021 001	Soil	ASP-A-004	ALPHA SPEC	02E0010-021	BV39-0003	Plutonium-239/240	10-12-8	0 00749	PCI/G	U				0 0539
02E0010-021.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-021	BV39-0003	Uranium-234	11-08-5	0 64	PCI/G	J				0 178
02E0010-021.001	Soil	ASP-A-004	ALPHA SPEC	02E0010-021	BV39-0003	Uranium-235	15117-96-1	0.0456	PCI/G	U				0 179
02E0010-021 001	Soil	ASP-A-004	ALPHA SPEC	02E0010-021	BV39-0003	Uranium-238	7440-61 1	0 78	PCI/G	J				0 178
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	AC-228	7440-34-8	1 48	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	Bi-212	14913-49-6	1 6	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	Bi-214	14733-03-0	0 695	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	K-40	13966-0-2	18 3	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	PA-234	15100-26-4	0	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	PA-234M	15100-26-4m	0	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	PB-212	15092-94-1	1 17	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	PB-214	15067-26-4	0 892	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	PO-210	13981-52-7	0	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	RA-226	10031-23-9	0	pCi/g				0	
02E0010-021 002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	Th-231	14932-40-2	0	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	TL-208	14913-50-9	0.422	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	Uranium-235	15117-96-1	0.228	pCi/g				0	1
02E0010-021.002	Soil	URS10B	HPGe	02E0010-021	BV39-0003	Uranium-238	7440-61 1	5 06	pCi/g				0	8
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	AC-228	7440-34-8	0 958	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N Stockpile 1	Bi-212	14913-49-6	1 05	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	Bi-214	14733-03-0	0.531	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	K-40	13966-0-2	14.3	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	PA-234	15100-26-4	0	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	PA-234M	15100-26-4m	0	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	PB-212	15092-94-1	0 982	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N Stockpile 1	PB-214	15067-26-4	0.587	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	PO-210	13981-52-7	0	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	RA-226	10031-23-9	0	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	Th-231	14932-40-2	0	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N Stockpile 1	TL-208	14913-50-9	0.384	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	Uranium-235	15117-96-1	0.250	pCi/g				0	1
02E0010-022.001	Soil	URS10B19	HPGe	02E0010-022	N. Stockpile 1	Uranium-238	7440-61-1	2.71	pCi/g				0	8
02E0010-022.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-022	N. Stockpile 1	Americium-241	14596-10-2	0.0388	PCI/G	U				0.0761
02E0010-022.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-022	N. Stockpile 1	Plutonium-239/240	10-12-8	0.00664	PCI/G	U				0.0561
02E0010-022.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-022	N. Stockpile 1	Uranium-234	11-08-5	0.942	PCI/G	J				0.11
02E0010-022.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-022	N. Stockpile 1	Uranium-235	15117-96-1	0.0533	PCI/G	J				0.0533
02E0010-022.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-022	N. Stockpile 1	Uranium-238	7440-61-1	1.98	PCI/G					0 0532
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	AC-228	7440-34-8	1.03	pCi/g				0	
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	Bi-212	14913-49-6	2.21	pCi/g				0	
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	Bi-214	14733-03-0	0.543	pCi/g				0	
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	K-40	13966-0-2	14.3	pCi/g				0	
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	PA-234	15100-26-4	0	pCi/g				0	
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	PA-234M	15100-26-4m	0	pCi/g				0	
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	PB-212	15092-94-1	0.934	pCi/g				0	

103

02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M Stockpile 2	PB-214	15067-28-4	0 641	pCi/g				0	
02E0010-023 001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	PO-210	13981-52-7	4940	pCi/g				0	
02E0010-023 001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	RA-226	10031-23-9	0	pCi/g				0	
02E0010-023 001	Soil	URS10B19	HPGe	02E0010-023	M Stockpile 2	Th-231	14932-40-2	0	pCi/g				0	
02E0010-023 001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	TL-208	14913-50-9	0 374	pCi/g				0	
02E0010-023 001	Soil	URS10B19	HPGe	02E0010-023	M Stockpile 2	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M Stockpile 2	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-023 001	Soil	URS10B19	HPGe	02E0010-023	M. Stockpile 2	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M Stockpile 2	Uranium-235	15117-96-1	0.21	pCi/g				0	1
02E0010-023.001	Soil	URS10B19	HPGe	02E0010-023	M Stockpile 2	Uranium-238	7440-61 1	2 12	pCi/g				0	8
02E0010-023.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-023	M Stockpile 2	Americium-241	14596-10-2	0 0528	PCi/G	U				0 0933
02E0010-023.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-023	M Stockpile 2	Plutonium-239/240	10-12-8	-0 00307	PCi/G	U				0 0471
02E0010-023 002	Soil	ASP-A-004	ALPHA SPEC	02E0010-023	M Stockpile 2	Uranium-234	11-08-5	1	PCi/G					0 154
02E0010-023 002	Soil	ASP-A-004	ALPHA SPEC	02E0010-023	M Stockpile 2	Uranium-235	15117-96-1	-0 00837	PCi/G	U				0.163
02E0010-023 002	Soil	ASP-A-004	ALPHA SPEC	02E0010-023	M Stockpile 2	Uranium-238	7440-61 1	0 845	PCi/G	J				0 118
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	AC-228	7440-34-8	1.27	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M. Dupe 2	Bi-212	14913-49-6	1 01	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	Bi-214	14733-03-0	0.501	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	K-40	13966-0-2	13 1	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	PA-234	15100-28-4	0	pCi/g				0	
02E0010-024.001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	PA-234M	15100-28-4m	0	pCi/g				0	
02E0010-024.001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	PB-212	15092-94-1	1 17	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	PB-214	15067-28-4	0 77	pCi/g				0	
02E0010-024.001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	PO-210	13981-52 7	0	pCi/g				0	
02E0010-024.001	Soil	URS10B19	HPGe	02E0010-024	M. Dupe 2	RA-226	10031-23-9	0	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	Th-231	14932-40-2	0	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	TL-208	14913-50-9	0 371	pCi/g				0	
02E0010-024.001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-024.001	Soil	URS10B19	HPGe	02E0010-024	M. Dupe 2	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	Uranium-235	15117-96-1	0 307	pCi/g				0	1
02E0010-024 001	Soil	URS10B19	HPGe	02E0010-024	M Dupe 2	Uranium-238	7440-61 1	2 02	pCi/g				0	8
02E0010-024.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-024	M Dupe 2	Americium-241	14596-10-2	0	PCi/G	U				0 0425
02E0010-024 002	Soil	ASP-A-004	ALPHA SPEC	02E0010-024	M. Dupe 2	Plutonium-239/240	10-12-8	-0 00342	PCi/G	U				0 0552
02E0010-024.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-024	M Dupe 2	Uranium-234	11-08-5	0 838	PCi/G	J				0 107
02E0010-024.002	Soil	ASP-A-004	ALPHA SPEC	02E0010-024	M Dupe 2	Uranium-235	15117-96-1	0 039	PCi/G	U				0 0964
02E0010-024 002	Soil	ASP-A-004	ALPHA SPEC	02E0010-024	M. Dupe 2	Uranium-238	7440-61 1	0 803	PCi/G	J				0 0463
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	AC-228	7440-34-8	1.25	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	Bi-212	14913-49-6	1 11	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	Bi-214	14733-03-0	0 811	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	K-40	13966-0-2	12.6	pCi/g				0	
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	PA-234	15100-28-4	0	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	PA-234M	15100-28-4m	0	pCi/g				0	
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	PB-212	15092-94-1	0 931	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S. Stockpile 3	PB-214	15067-28-4	0 816	pCi/g				0	
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	PO-210	13981-52-7	0	pCi/g				0	
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	RA-226	10031-23-9	0	pCi/g				0	
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	Th-231	14932-40-2	0	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	TL-208	14913-50-9	0 322	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S. Stockpile 3	Americium-241	14596-10-2	0	pCi/g				0	4
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-025 001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S Stockpile 3	Uranium-235	15117-96-1	0 182	pCi/g				0	1
02E0010-025.001	Soil	URS10B19	HPGe	02E0010-025	S. Stockpile 3	Uranium-238	7440-61 1	1.52	pCi/g				0	8
02E0010-025.002	Soil	URS10B19	ALPHA SPEC	02E0010-025	S. Stockpile 3	Americium-241	14596-10-2	-0 00815	PCi/G	U				0 0786
02E0010-025 002	Soil	URS10B19	ALPHA SPEC	02E0010-025	S Stockpile 3	Plutonium-239/240	10-12-8	-0 00625	PCi/G	U				0 0345
02E0010-025.002	Soil	URS10B19	ALPHA SPEC	02E0010-025	S Stockpile 3	Uranium-234	11-08-5	0 931	PCi/G	J				0 101
02E0010-025.002	Soil	URS10B19	ALPHA SPEC	02E0010-025	S Stockpile 3	Uranium-235	15117-96-1	0 0286	PCi/G	U				0 0857
02E0010-025 002	Soil	URS10B19	ALPHA SPEC	02E0010-025	S Stockpile 3	Uranium-238	7440-61 1	0.866	PCi/G	J				0 0854
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	AC-228	7440-34-8	1.83	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	Bi-212	14913-49-6	1 49	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	Bi-214	14733-03-0	0 67	pCi/g				0	
02E0010-026 001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	K-40	13966-0-2	19.5	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	PA-234	15100-28-4	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	PA-234M	15100-28-4m	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	PB-212	15092-94-1	1.59	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	PB-214	15067-28-4	0 851	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	PO-210	13981-52-7	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	RA-226	10031-23-9	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	Th-231	14932-40-2	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Waste Char BU38-0000	TL-208	14913-50-9	0 484	pCi/g				0	

104

02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Wste Char BU38-0009	Americium-241	14596-10-2	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Wste Char BU38-0009	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Wste Char BU38-0009	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0010-026.001	Soil	URS10B19	HPGe	02E0010-026	Wste Char BU38-0009	Uranium-235	15117-96-1	0.25	pCi/g				0	
02E0010-026 001	Soil	URS10B19	HPGe	02E0010-026	Wste Char BU38-0009	Uranium-238	7440-61 1	1.26	pCi/g				0	
02E0010-026.002	Soil	VOA A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1 1,2 TETRACHLOROETHANE	630-20-6	5 3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1 1 TCA	71-55-6	5.3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1,2,2 Tetrachloroethane	79-34-5	5 3	UG/KG	U	V1			1.2
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1,2 TCA	79-00-5	5 3	UG/KG	U	V1			1 6
02E0010-026 002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	5 3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1-DCA	75-34-3	5 3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1-DCE	75-35-4	5 3	UG/KG	U	V1			1.2
02E0010-026 002	Soil	VOA A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 1-DICHLOROPROPENE	563-58-6	5 3	UG/KG	U	V1			0 97
02E0010-026.002	Soil	VOA A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2 DICHLOROETHANE -D4	17060-07-0	92	%REC		1			
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2 3-TRICHLOROBENZENE	87-61-6	5.3	UG/KG	U	V1			0 85
02E0010-026 002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2 3-TRICHLOROPROPANE	96-18-4	5 3	UG/KG	U	V1			1 6
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2,4-Trichlorobenzene	120-82 1	5 3	UG/KG	U	V1			0 75
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2-DCA	107-06-2	5 3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2-DCB	95-50-1	5 3	UG/KG	U	V1			1.2
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2-Dibromo-3-chloropropane	96-12-8	5 3	UG/KG	U	V1			1 5
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2-DIBROMOETHANE	106-93-4	5 3	UG/KG	U	V1			0 97
02E0010-026 002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1,2-Dichloropropane	78-87-5	5 3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 3-DICHLOROBENZENE	541 73-1	5 3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 3-DICHLOROPROPANE	142-28-9	5 3	UG/KG	U	V1			1
02E0010-026 002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	1 4-DCB	106-46-7	5 3	UG/KG	U	V1			1 5
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	2,2-DICHLOROPROPANE	594-20-7	5 3	UG/KG	U	V1			0 84
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	2-Butanone	78-93-3	21	UG/KG	U	V1			4.9
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	2-HEXANONE	591 78-6	21	UG/KG	U	V1			4 8
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	4-ISOPROPYLTOLUENE	99-87-6	5.3	UG/KG	U	V1			1 6
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	4-METHYL-2-PENTANONE	108-10-1	21	UG/KG	U	V1			4 1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Acetone	67-64-1	21	UG/KG	U	V1			4 8
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Benzene	71-43-2	5 3	UG/KG	U	V1			0 94
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	BENZENE, 1,2,4-TRIMETHYL	95-63-6	5.3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	BENZENE, 1,3,5-TRIMETHYL	108-67-8	5 3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	BROMOBENZENE	108-86-1	5 3	UG/KG	U	V1			0 95
02E0010-026 002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	BROMOCHLOROMETHANE	74-97-5	5 3	UG/KG	U	V1			0 75
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Bromodichloromethane	75-27-4	5 3	UG/KG	U	V1			0 97
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	BROMOFLUOROBENZENE	460-00-4	83	%REC		1			
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Bromoform	75-25-2	5 3	UG/KG	U	V1			0 96
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Bromomethane	74-83-9	5.3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	CARBON DISULFIDE	75-15-0	5.3	UG/KG	U	V1			0 97
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Carbon tetrachloride	56-23-5	5.3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Chlorobenzene	108-90-7	5.3	UG/KG	U	V1			0 79
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Chloroethane	75-00-3	5 3	UG/KG	U	V1			1.4
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Chloroform	67-66-3	5.3	UG/KG	U	V1			0 95
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Chloromethane	74-87-3	5 3	UG/KG	U	V1			1 6
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	cis-1,2-DICHLOROETHENE	156-59-2	2 6	UG/KG	U	V1			0 88
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Cis-1,3-Dichloropropene	10061-01-5	5.3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Dibromochloromethane	124-48-1	5.3	UG/KG	U	V1			0 95
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Dibromofluoromethane	1868-53-7	91	%REC		1			
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	DIBROMOMETHANE	74-95-3	5.3	UG/KG	U	V1			1.4
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	DICHLORODIFLUOROMETHANE	75-71-8	5.3	UG/KG	U	V1			1 7
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Ethylbenzene	100-41-4	5.3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Hexachlorobutadiene	87-68-3	5.3	UG/KG	U	V1			1.5
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	ISOPROPYLBENZENE	98-82-8	5.3	UG/KG	U	V1			0 89
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Methylene chloride	75-09-2	2.5	UG/KG	JB	JB1	249		0.84
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	n-BUTYLBENZENE	104-51-8	5 3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	n-PROPYLBENZENE	103-65-1	5.3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Naphthalene	91-20-3	5 3	UG/KG	U	V1			0 9
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	o-CHLOROTOLUENE	95-49-8	5.3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	p-CHLOROTOLUENE	106-43-4	5.3	UG/KG	U	V1			1.5
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	sec-BUTYLBENZENE	135-98-8	5.3	UG/KG	U	V1			1 3
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Styrene	100-42-5	5.3	UG/KG	U	V1			0.89
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	TCE	79-01-6	5.3	UG/KG	U	V1			0 91
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	tert-BUTYLBENZENE	98-06-6	5.3	UG/KG	U	V1			1.5
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Tetrachloroethene	127 18-4	5.3	UG/KG	U	V1			1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Toluene	108-88-3	5.3	UG/KG	U	V1			0.82
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	TOLUENE D8	2037-26-5	86	%REC		1			
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	trans-1,2-DICHLOROETHENE	156-60-5	2.6	UG/KG	U	V1			0.83
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	Trans-1,3-Dichloropropene	10061-02-6	5.3	UG/KG	U	V1			1 1
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Wste Char BU38-0009	TRICHLOROFLUOROMETHANE	75-69-4	5.3	UG/KG	U	V1			0.54

105

02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Waste Char BU38-0009	Vinyl chloride	75-01-4	5 3	UG/KG	U	V1		1.2
02E0010-026.002	Soil	VOA- A-011	SW-846 8260	02E0010-026	Waste Char BU38-0009	Xylenes (total)	1330-20-7	5.3	UG/KG	U	V1		2 9
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	UNKNOWN	TIC	1300	UG/KG	J	V1		
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	1,2,4-Trichlorobenzene	120-82 1	350	UG/KG	U	V1		67
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	1,2-DCB	95-50-1	350	UG/KG	U	V1		67
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	1,3-DICHLOROBENZENE	541 73-1	350	UG/KG	U	V1		74
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	1 4-DCB	106-46-7	350	UG/KG	U	V1		56
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2 4,5-Trichlorophenol	95-95-4	350	UG/KG	U	V1		79
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2,4,6-TRIBROMOPHENOL	118-79-6	61	%REC		1		
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2,4,6-Trichlorophenol	88-06-2	350	UG/KG	U	V1		52
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2,4-Dichlorophenol	120-83-2	350	UG/KG	U	V1		92
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2,4-Dimethylphenol	105-67-9	350	UG/KG	U	V1		96
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2,4-Dinitrophenol	51-28-5	1700	UG/KG	U	UJ1	140	520
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2,4-DNT	121 14-2	350	UG/KG	U	UJ1	140	100
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2,6-DNT	606-20-2	350	UG/KG	U	V1		100
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2-Chloronaphthalene	91-58-7	350	UG/KG	U	V1		40
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2-Chlorophenol	95-57-8	350	UG/KG	U	V1		76
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2-FLUOROBIPHENYL	321-60-8	56	%REC		1		
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2-Methylnaphthalene	91-57-6	350	UG/KG	U	V1		62
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2-Methylphenol	95-48-7	350	UG/KG	U	V1		61
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2-Nitroaniline	88-74-4	1700	UG/KG	U	V1		84
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	2-NITROPHENOL	88-75-5	350	UG/KG	U	V1		130
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	3 3'-Dichlorobenzidine	91-94-1	1400	UG/KG	U	V1		73
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	3-NITROANILINE	99-09-2	1700	UG/KG	U	V1		89
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	4,6-Dinitro-2-methylphenol	534-52-1	1700	UG/KG	U	UJ1	140	440
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	4-CHLORO-3-METHYLPHENOL	59-50-7	350	UG/KG	U	V1		99
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	4-Chloroaniline	106-47-8	350	UG/KG	U	V1		49
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	4-CHLOROPHENYL PHENYL ETHER	7005-72 3	350	UG/KG	U	V1		74
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	4-Methylphenol	106-44-5	350	UG/KG	U	V1		77
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	4-NITROANILINE	100-01-6	1700	UG/KG	U	V1		67
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	4-Nitrophenol	100-02 7	140	UG/KG	J	JB1	249	99
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	ACENAPHTHYLENE	208-96-8	350	UG/KG	U	V1		36
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Acenapthene	83-32-9	350	UG/KG	U	V1		48
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Anthracene	120-12 7	350	UG/KG	U	V1		82
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Benzo(a)anthracene	56-55-3	350	UG/KG	U	V1		41
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Benzo(a)pyrene	50-32-8	350	UG/KG	U	V1		98
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Benzo(b)fluoranthene	205-99-2	350	UG/KG	U	V1		100
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	BENZO(ghi)PERYLENE	191 24-2	350	UG/KG	U	V1		73
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	BENZO(k)FLUORANTHENE	207-08-9	350	UG/KG	U	V1		97
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Benzoic acid	65-85-0	1700	UG/KG	U	V1		900
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Benzyl alcohol	100-51-6	350	UG/KG	U	V1		81
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Bis(2-chloroethyl)ether	111-44-4	350	UG/KG	U	V1		51
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	BIS(2-CHLOROETHOXY)METHANE	111-91 1	350	UG/KG	U	V1		77
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Bis(2-chloroisopropyl)ether	39638-32-9	350	UG/KG	U	V1		72
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Bis(2-ethylhexyl)phthalate	117-81 7	350	UG/KG	U	V1		72
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Butyl benzylphthalate	85-68-7	350	UG/KG	U	V1		36
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Chrysene	218-01-9	350	UG/KG	U	V1		56
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Di-n-BUTYL PHTHALATE	84-74-2	350	UG/KG	U	V1		80
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Di-n-octylphthalate	117-84-0	350	UG/KG	U	V1		38
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Dibenz(a,h)anthracene	53-70-3	350	UG/KG	U	V1		49
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Dibenzofuran	132-64-9	350	UG/KG	U	V1		88
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Diethyl phthalate	84-66-2	690	UG/KG	U	V1		55
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Dimethyl phthalate	131 11-3	350	UG/KG	U	V1		89
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Fluoranthene	206-44-0	350	UG/KG	U	V1		68
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Fluorene	86-73-7	350	UG/KG	U	V1		80
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Hexachlorobenzene	118-74-1	350	UG/KG	U	V1		80
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Hexachlorobutadiene	87-68-3	350	UG/KG	U	V1		100
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Hexachlorocyclopentadiene	77-47-4	690	UG/KG	U	V1		35
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Hexachloroethane	67 72-1	350	UG/KG	U	V1		52
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Indeno(1,2,3-cd)pyrene	193-39-5	350	UG/KG	U	V1		50
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Isophorone	78-59-1	350	UG/KG	U	V1		71
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	n-Nitrosodi-n-propylamine	621-64-7	350	UG/KG	U	V1		92
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	n-Nitrosodiphenylamine	86-30-6	350	UG/KG	U	V1		75
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Naphthalene	91-20-3	350	UG/KG	U	V1		73
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Nitrobenzene	98-95-3	350	UG/KG	U	V1		89
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	NITROBENZENE-D5	4165-60-0	64	%REC		1		
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	o-FLUOROPHENOL	367 12-4	58	%REC		1		
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	p-BROMODIPHENYL ETHER	101-55-3	350	UG/KG	U	V1		74
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Pentachlorophenol	87-86-5	1700	UG/KG	U	V1		390
02E0010-026.003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	PHENANTHRENE	85-01-8	350	UG/KG	U	V1		39
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Waste Char BU38-0009	Phenol	108-95-2	350	UG/KG	U	V1		74

106

02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Wate Char BU38-0009	PHENOL-D5	4165-62 2	55	%REC		1		
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Wate Char BU38-0009	Pyrene	129-00-0	62	UG/KG	J	V1		42
02E0010-026 003	Soil	SVO-A-007	SW-846 8270B	02E0010-026	Wate Char BU38-0009	TERPHENYL-D14	1718-51-0	63	%REC		1		
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	ACETIC ACID 2-ETHYLHEXYL ESTE	103-09-3	32	UG/L	J	V1		
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	ISOBUTANE	75-28-5	20	UG/L	J	V1		
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	UNKNOWN	TIC	1 5	UG/L	J	V1		
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 1 1,2-TETRACHLOROETHANE	630-20-6	1	UG/L	U	V1		0.28
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 1 1 TCA	71-55-6	1	UG/L	U	V1		0 32
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 1,2,2 Tetrachloroethane	79-34-5	1	UG/L	U	V1		0 5
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 1,2-TCA	79-00-5	1	UG/L	U	V1		0 41
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	1	UG/L	U	V1		0 56
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 1-DCA	75-34-3	1	UG/L	U	V1		0.29
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,1-DCE	75-35-4	1	UG/L	U	V1		0 31
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,1-DICHLOROPROPENE	563-58-6	1	UG/L	U	V1		0.29
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2 DICHLOROETHANE -D4	17060-07-0	97	%REC		1		
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2,3-TRICHLOROBENZENE	87-61-6	1	UG/L	U	V1		0 62
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2,3-TRICHLOROPROPANE	96-18-4	1	UG/L	U	V1		0 78
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2,4-Trichlorobenzene	120-82 1	1	UG/L	U	V1		0.63
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2-DCA	107-06-2	1	UG/L	U	V1		0 43
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2-DCB	95-50-1	1	UG/L	U	V1		0 3
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2-Dibromo-3-chloropropane	96-12-8	2	UG/L	U	V1		0 49
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2-DIBROMOETHANE	106-93-4	1	UG/L	U	V1		0 48
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,2-Dichloropropane	78-87-5	1	UG/L	U	V1		0 38
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 3-DICHLOROBENZENE	541 73-1	1	UG/L	U	V1		0 3
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1,3-DICHLOROPROPANE	142 28-9	1	UG/L	U	V1		0 37
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	1 4-DCB	106-46-7	1	UG/L	U	V1		0 31
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	2,2-DICHLOROPROPANE	594-20-7	5	UG/L	U	V1		0 37
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	2-Butanone	78-93-3	5	UG/L	U	V1		2 4
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	2-HEXANONE	591 78-6	5	UG/L	U	V1		1 8
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	4-ISOPROPYLTOLUENE	99-87-6	1	UG/L	U	V1		0 32
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	4-METHYL 2-PENTANONE	108-10-1	5	UG/L	U	V1		1 8
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Acetone	67-64-1	3.2	UG/L	J	V1		2 9
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Benzene	71-43-2	1	UG/L	U	V1		0 27
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	BENZENE, 1,2,4-TRIMETHYL	95-63-6	1	UG/L	U	V1		0 3
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	BENZENE 1 3,5-TRIMETHYL	108-67-8	1	UG/L	U	V1		0 31
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	BROMOBENZENE	108-86-1	1	UG/L	U	V1		0 32
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	BROMOCHLOROMETHANE	74-97-5	1	UG/L	U	V1		0 39
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Bromodichloromethane	75-27-4	1	UG/L	U	V1		0 35
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	BROMOFLUOROBENZENE	460-00-4	94	%REC		1		
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Bromoform	75-25-2	1	UG/L	U	V1		0 46
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Bromomethane	74-83-9	2	UG/L	U	V1		0.28
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	CARBON DISULFIDE	75-15-0	1	UG/L	U	V1		0 67
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Carbon tetrachloride	56-23-5	1	UG/L	U	V1		0 35
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Chlorobenzene	108-90-7	1	UG/L	U	V1		0.24
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Chloroethane	75-00-3	2	UG/L	U	V1		0.26
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Chloroform	67-66-3	1	UG/L	U	V1		0.29
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Chloromethane	74-87-3	2	UG/L	U	V1		0.26
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	cis-1,2-DICHLOROETHENE	156-59-2	1	UG/L	U	V1		0 33
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Cis-1,3-Dichloropropene	10061-01-5	1	UG/L	U	V1		0 31
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Dibromochloromethane	124-48-1	1	UG/L	U	V1		0 37
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Dibromofluoromethane	1868-53-7	104	%REC		1		
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	DIBROMOMETHANE	74-95-3	1	UG/L	U	V1		0 4
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	DICHLORODIFLUOROMETHANE	75-71-8	2	UG/L	U	V1		0 44
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Ethylbenzene	100-41-4	1	UG/L	U	V1		0.51
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Hexachlorobutadiene	87-68-3	1	UG/L	U	V1		0 37
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	ISOPROPYLBENZENE	98-82-8	1	UG/L	U	V1		0 3
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Methylene chloride	75-09-2	1	UG/L	U	V1		0 86
02E0010-027 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	n-BUTYLBENZENE	104-51-8	1	UG/L	U	V1		0 41
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	n-PROPYLBENZENE	103-65-1	1	UG/L	U	V1		0 33
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Naphthalene	91-20-3	1	UG/L	U	V1		0 78
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	o-CHLOROTOLUENE	95-49-8	1	UG/L	U	V1		0.23
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	p-CHLOROTOLUENE	106-43-4	1	UG/L	U	V1		0.26
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	sec-BUTYLBENZENE	135-98-8	1	UG/L	U	V1		0.34
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Styrene	100-42-5	1	UG/L	U	V1		0.28
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	TCE	79-01-6	1	UG/L	U	V1		0.24
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	tert-BUTYLBENZENE	98-06-6	1	UG/L	U	V1		0.29
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Tetrachloroethene	127 18-4	1	UG/L	U	V1		0.27
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Toluene	108-88-3	1	UG/L	U	V1		0.26
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	TOLUENE D8	2037-26-5	95	%REC		1		
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	trans-1,2-DICHLOROETHENE	156-60-5	0.5	UG/L	U	V1		0.25
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Trans-1,3-Dichloropropene	10061-02-6	1	UG/L	U	V1		0 36
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank								

107

02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	TRICHLOROFLUOROMETHANE	75-69-4	2	UG/L	U	V1			0.43
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Vinyl chloride	75-01-4	1	UG/L	U	V1			0.26
02E0010-027.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0010-027	Trip Blank	Xylenes (total)	1330-20-7	2	UG/L	U	V1			0.73
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	AC-228	7440-34-8	1.22	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	Bi-212	14913-49-6	1.41	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	Bi-214	14733-03-0	0.548	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	K-40	13966-0-2	18.6	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	PA-234	15100-28-4	0	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	PB-212	15092-94-1	0.978	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	PB-214	15067-28-4	0.609	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	PO-210	13981-52-7	2960	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	RA-226	10031-23-9	1.91	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	Th-231	14932-40-2	0	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	TL-208	14913-50-9	0.35	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	Americium-241	14596-10-2	0	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	Uranium-235	15117-96-1	0	pCi/g				0	
02E0022-001.002	Soil	URS10B19	HPGe	02E0022-001	N. Stockpile 1	Uranium-238	7440-61-1	1.22	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	AC-228	7440-34-8	0.885	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	Bi-212	14913-49-6	1.19	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	Bi-214	14733-03-0	0.403	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	K-40	13966-0-2	21.5	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	PA-234	15100-28-4	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	PB-212	15092-94-1	0.799	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	PB-214	15067-28-4	0.485	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	PO-210	13981-52-7	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	RA-226	10031-23-9	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	Th-231	14932-40-2	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	TL-208	14913-50-9	0.221	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	Americium-241	14596-10-2	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	Uranium-235	15117-96-1	0.108	pCi/g				0	
02E0022-002.002	Soil	URS10B19	HPGe	02E0022-002	M. Stockpile 2	Uranium-238	7440-61-1	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	AC-228	7440-34-8	1.42	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	Bi-212	14913-49-6	1.75	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	Bi-214	14733-03-0	0.649	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	K-40	13966-0-2	15.6	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	PA-234	15100-28-4	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	PB-212	15092-94-1	1.35	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	PB-214	15067-28-4	0.809	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	PO-210	13981-52-7	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	RA-226	10031-23-9	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	Th-231	14932-40-2	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	TL-208	14913-50-9	0.487	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	Americium-241	14596-10-2	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	Uranium-235	15117-96-1	0.148	pCi/g				0	
02E0022-003.002	Soil	URS10B19	HPGe	02E0022-003	S. Stockpile 3	Uranium-238	7440-61-1	2.14	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	AC-228	7440-34-8	1.31	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	Bi-212	14913-49-6	1.96	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	Bi-214	14733-03-0	0.527	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	K-40	13966-0-2	14.3	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	PA-234	15100-28-4	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	PB-212	15092-94-1	1.38	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	PB-214	15067-28-4	0.806	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	PO-210	13981-52-7	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	RA-226	10031-23-9	2.74	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	Th-231	14932-40-2	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	TL-208	14913-50-9	0.43	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	Americium-241	14596-10-2	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	Uranium-235	15117-96-1	0	pCi/g				0	
02E0022-004.002	Soil	URS10B19	HPGe	02E0022-004	S. Stockpile Dupe	Uranium-238	7440-61-1	2.84	pCi/g				0	

108

02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	AC-228	7440-34-8	1.27	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	Bi-212	14913-49-6	1 04	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	Bi-214	14733-03-0	0 572	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	K-40	13966-0-2	9 45	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	PA-234	15100-26-4	0	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	PA-234M	15100-26-4m	0	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	PB-212	15092-94-1	0 993	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	PB-214	15067-26-4	0 844	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	PO-210	13981-52-7	0	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	RA 226	10031 23-9	0	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	Th-231	14932-40-2	0	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	TL 208	14913-50-9	0 42	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	Americium-241	14596-10-2	0	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	CESIUM-134	13967 70-9	0	pCi/g			0	
02E0022-005 001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0022-005.001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	Uranium-235	15117-96-1	0.237	pCi/g			0	
02E0022-005.001	Soil	URS10819	HPGe	02E0022-005	Southeast Slab	Uranium-238	7440-61 1	0	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	AC-228	7440-34-8	1 37	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	AC-228	7440-34-8	1 37	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Bi-212	14913-49-6	1 04	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Bi-212	14913-49-6	1 04	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Bi-214	14733-03-0	0 453	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Bi-214	14733-03-0	0 453	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	K-40	13966-0-2	11 7	pCi/g				
02E0022-006 002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	K-40	13966-0-2	11 7	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PA-234	15100-26-4	0	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PA-234	15100-26-4	0	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PA-234M	15100-26-4m	0	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PA-234M	15100-26-4m	0	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PB-212	15092-94-1	1 07	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PB-212	15092-94-1	1 07	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PB-214	15067-26-4	0 424	pCi/g				
02E0022-006 002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PB-214	15067-26-4	0 424	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PO-210	13981-52 7	3210	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	PO-210	13981-52 7	3210	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	RA-226	10031 23-9	0	pCi/g				
02E0022-006 002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	RA-226	10031-23-9	0	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Th-231	14932-40-2	0	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Th-231	14932-40-2	0	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	TL-208	14913-50-9	0 38	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	TL-208	14913-50-9	0.38	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Americium-241	14596-10-2	0	pCi/g				4
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Americium-241	14596-10-2	0	pCi/g			0	4
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	CESIUM-134	13967 70-9	0	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	CESIUM-134	13967 70-9	0	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	THORIUM-230	14269-63-7	0	pCi/g				
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Uranium-235	15117-96-1	0 127	pCi/g				1
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Uranium-235	15117-96-1	0 127	pCi/g			0	1
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Uranium-238	7440-61 1	1 11	pCi/g				8
02E0022-006.002	Soil	URS10819	HPGe	02E0022-006	W of Manhold-2	Uranium-238	7440-61 1	1 11	pCi/g			0	8
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	AC-228	7440-34-8	1 1	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	AC-228	7440-34-8	1 1	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	Bi-212	14913-49-6	0.866	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	Bi-212	14913-49-6	0 866	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	Bi-214	14733-03-0	0.525	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	Bi-214	14733-03-0	0.525	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	K-40	13966-0-2	13 1	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	K-40	13966-0-2	13 1	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PA-234	15100-26-4	0	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PA-234	15100-26-4	0	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PA-234M	15100-26-4m	0	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PA-234M	15100-26-4m	0	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PB-212	15092-94-1	1 02	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PB-212	15092-94-1	1 02	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PB-214	15067-26-4	0.526	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PB-214	15067-26-4	0.526	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PO-210	13981-52-7	0	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	PO-210	13981-52-7	0	pCi/g			0	
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	RA-226	10031-23-9	2 06	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU36-0002	RA-226	10031-23-9	2 06	pCi/g			0	

109

02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Th-231	14932-40-2	0	pCi/g				
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Th-231	14932-40-2	0	pCi/g			0	
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	TL-208	14913-50-9	0 378	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	TL-208	14913-50-9	0 378	pCi/g			0	
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Americium-241	14596-10-2	0	pCi/g				4
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Americium-241	14596-10-2	0	pCi/g			0	4
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	CESIUM-134	13967 70-9	0	pCi/g				
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	CESIUM-134	13967 70-9	0	pCi/g			0	
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	THORIUM-230	14269-63-7	0	pCi/g				
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Uranium-235	15117-96-1	0	pCi/g				1
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Uranium-235	15117-96-1	0	pCi/g			0	1
02E0022-007.002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Uranium-238	7440-61 1	1 66	pCi/g				8
02E0022-007 002	Soil	URS10819	HPGe	02E0022-007	BU38-0002	Uranium-238	7440-61 1	1 66	pCi/g			0	8
02E0022-008 002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	AC-228	7440-34-8	1.25	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	AC-228	7440-34-8	1.25	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	Bi-212	14913-49-6	0.887	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	Bi-212	14913-49-6	0.887	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	Bi-214	14733-03-0	0.529	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	Bi-214	14733-03-0	0.529	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	K-40	13966-0-2	20	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	K-40	13966-0-2	20	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	PA-234	15100-28-4	0	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	PA-234	15100-28-4	0	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	PA-234M	15100-28-4m	0	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	PA-234M	15100-28-4m	0	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	PB-212	15092-94-1	1 13	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	PB-212	15092-94-1	1 13	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	PB-214	15067-28-4	0.566	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	PB-214	15067-28-4	0 566	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	PO-210	13981-52-7	0	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	PO-210	13981-52-7	0	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	RA-226	10031-23-9	3.58	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	RA-226	10031-23-9	3.58	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	Th-231	14932-40-2	0	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	Th-231	14932-40-2	0	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	TL 208	14913-50-9	0.412	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	TL-208	14913-50-9	0.412	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	Americium-241	14596-10-2	0	pCi/g				4
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	Americium-241	14596-10-2	0	pCi/g			0	4
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	CESIUM-134	13967 70-9	0	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	CESIUM-134	13967 70-9	0	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	THORIUM-230	14269-63-7	0	pCi/g				
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	Uranium-235	15117-96-1	0	pCi/g				1
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S. PWL	Uranium-235	15117-96-1	0	pCi/g			0	1
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	Uranium-238	7440-61 1	1.55	pCi/g				8
02E0022-008.002	Soil	URS10819	HPGe	02E0022-008	Central pt. On S PWL	Uranium-238	7440-61 1	1 55	pCi/g			0	8
02E0022-009 002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	AC-228	7440-34-8	1 14	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	AC-228	7440-34-8	1 14	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	Bi-212	14913-49-6	1 14	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	Bi-212	14913-49-6	1 14	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	Bi-214	14733-03-0	0 406	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	Bi-214	14733-03-0	0 406	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	K-40	13966-0-2	21.5	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	K-40	13966-0-2	21.5	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	PA-234	15100-28-4	0	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	PA-234	15100-28-4	0	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	PA-234M	15100-28-4m	0	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E.	PA-234M	15100-28-4m	0	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	PB-212	15092-94-1	0.853	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E.	PB-212	15092-94-1	0 853	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	PB-214	15067-28-4	0.593	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E.	PB-214	15067-28-4	0.593	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	PO-210	13981-52-7	0	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	PO-210	13981-52-7	0	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	RA-226	10031-23-9	2 89	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	RA-226	10031-23-9	2.89	pCi/g			0	
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	Th-231	14932-40-2	0	pCi/g				
02E0022-009.002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	Th-231	14932-40-2	0	pCi/g			0	
02E0022-009 002	Soil	URS10819	HPGe	02E0022-009	MH1-MH2 Stipple E	TL-208	14913-50-9	0 333	pCi/g				

110

02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	TL-208	14913-50-9	0 333	pCi/g				0	
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	Americium-241	14596-10-2	0	pCi/g					4
02E0022-009.002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	Americium-241	14596-10-2	0	pCi/g				0	4
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	CESIUM-134	13967 70-9	0	pCi/g					
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	THORIUM-230	14269-63-7	0	pCi/g					
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	Uranium-235	15117-96-1	0	pCi/g					1
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	Uranium-238	7440-61 1	1 35	pCi/g					8
02E0022-009 002	Soil		URS10819	HPGe	02E0022-009	MH1-MH2 Stipile E	Uranium-238	7440-61 1	1.35	pCi/g				0	8
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	AC-228	7440-34-8	0 743	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	AC-228	7440-34-8	0 743	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Bi-212	14913-49-6	0 609	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Bi-212	14913-49-6	0 609	pCi/g				0	
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Bi-214	14733-03-0	0.383	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Bi-214	14733-03-0	0 383	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	K-40	13966-0-2	21	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	K-40	13966-0-2	21	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PA-234	15100-26-4	0	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PA-234	15100-26-4	0	pCi/g				0	
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PA-234M	15100-26-4m	0	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PA-234M	15100-26-4m	0	pCi/g				0	
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PB-212	15092-94-1	0 619	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PB-212	15092-94-1	0 619	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PB-214	15067-28-4	0 422	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PB-214	15067-28-4	0 422	pCi/g				0	
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PO-210	13981-52 7	0	pCi/g					
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	PO-210	13981-52-7	0	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	RA-226	10031 23-9	0	pCi/g					
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	RA-226	10031-23-9	0	pCi/g				0	
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Th-231	14932-40-2	0	pCi/g					
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Th-231	14932-40-2	0	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	TL 208	14913-50-9	0 314	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	TL 208	14913-50-9	0 314	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Americium-241	14596-10-2	0	pCi/g					4
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Americium-241	14596-10-2	0	pCi/g				0	4
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	CESIUM-134	13967 70-9	0	pCi/g					
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	THORIUM-230	14269-63-7	0	pCi/g					
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-010 002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Uranium-235	15117-96-1	0 108	pCi/g					1
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Uranium-235	15117-96-1	0 108	pCi/g				0	1
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Uranium-238	7440-61 1	0 636	pCi/g					8
02E0022-010.002	Soil		URS10819	HPGe	02E0022-010	MH1-MH2 Stipile M	Uranium-238	7440-61 1	0 636	pCi/g				0	8
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	AC-228	7440-34-8	0 891	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	AC-228	7440-34-8	0.891	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Bi-212	14913-49-6	0 973	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Bi-212	14913-49-6	0 973	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Bi-214	14733-03-0	0.397	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Bi-214	14733-03-0	0 397	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	K-40	13966-0-2	20 1	pCi/g					
02E0022-011 002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	K-40	13966-0-2	20 1	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PA-234	15100-26-4	0	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PA-234	15100-26-4	0	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PA-234M	15100-26-4m	0	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PA-234M	15100-26-4m	0	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PB-212	15092-94-1	0 753	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PB-212	15092-94-1	0 753	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PB-214	15067-28-4	0 426	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PB-214	15067-28-4	0.426	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PO-210	13981-52-7	0	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	PO-210	13981-52-7	0	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	RA-226	10031-23-9	0	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	RA-226	10031-23-9	0	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Th-231	14932-40-2	0	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Th-231	14932-40-2	0	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	TL-208	14913-50-9	0.298	pCi/g					
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	TL-208	14913-50-9	0.298	pCi/g				0	
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Americium-241	14596-10-2	0	pCi/g					4
02E0022-011.002	Soil		URS10819	HPGe	02E0022-011	MH1-MH2 Stipile W	Americium-241	14596-10-2	0	pCi/g				0	4

111

02E0022-011.002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	CESIUM-134	13967 70-9	0	pCi/g				
02E0022-011 002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	CESIUM-134	13967 70-9	0	pCi/g			0	
02E0022-011 002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	THORIUM-230	14269-63-7	0	pCi/g				
02E0022-011 002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0022-011 002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	Uranium-235	15117-96-1	0 151	pCi/g				1
02E0022-011 002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	Uranium-235	15117-96-1	0 151	pCi/g			0	1
02E0022-011 002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	Uranium-238	7440-61 1	1 31	pCi/g				8
02E0022-011.002	Soil	URS10B19	HPGe	02E0022-011	MH1-MH2 Stkpile W	Uranium-238	7440-61 1	1 31	pCi/g			0	8
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	AC-228	7440-34-8	0 839	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	AC-228	7440-34-8	0 839	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	Bi-212	14913-49-6	1 17	pCi/g				
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Bi-212	14913-49-6	1 17	pCi/g			0	
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Bi-214	14733-03-0	0 455	pCi/g				
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	Bi-214	14733-03-0	0 455	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	K-40	13966-0-2	20 4	pCi/g				
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	K-40	13966-0-2	20 4	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	PA 234	15100-28-4	0	pCi/g				
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	PA-234	15100-28-4	0	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	PA-234M	15100-28-4m	0	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	PA-234M	15100-28-4m	0	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	PB-212	15092-94-1	0 878	pCi/g				
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	PB-212	15092-94-1	0 878	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	PB-214	15067 28-4	0 442	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	PB-214	15067-28-4	0 442	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	PO-210	13981-52-7	0	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	PO-210	13981-52-7	0	pCi/g			0	
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	RA-226	10031-23-9	1 81	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	RA-226	10031-23-9	1 81	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Th-231	14932-40-2	0	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Th-231	14932-40-2	0	pCi/g			0	
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	TL-208	14913-50-9	0.29	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	TL-208	14913-50-9	0.29	pCi/g			0	
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Americium-241	14596-10-2	0	pCi/g				4
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Americium-241	14596-10-2	0	pCi/g			0	4
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	CESIUM-134	13967 70-9	0	pCi/g				
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	CESIUM-134	13967 70-9	0	pCi/g			0	
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	THORIUM-230	14269-63-7	0	pCi/g				
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	THORIUM-230	14269-63-7	0	pCi/g			0	
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Uranium-235	15117-96-1	0	pCi/g				1
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Uranium-235	15117-96-1	0	pCi/g			0	1
02E0022-012.002	Soil	URS10B19	HPGe	02E0022-012	Dup Stockpile W	Uranium-238	7440-61 1	0	pCi/g				8
02E0022-012 002	Soil	URS10B19	HPGe	02E0022-012	Dup. Stockpile W	Uranium-238	7440-61 1	0	pCi/g			0	8
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	AC-228	7440-34-8	1 19	pCi/g				
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	AC-228	7440-34-8	1 19	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Bi-212	14913-49-6	1.5	pCi/g				
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Bi-212	14913-49-6	1.5	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Bi-214	14733-03-0	0 394	pCi/g				
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Bi-214	14733-03-0	0.394	pCi/g			0	
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	K-40	13966-0-2	12.3	pCi/g				
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	K-40	13966-0-2	12.3	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PA-234	15100-28-4	0	pCi/g				
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PA-234	15100-28-4	0	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PA-234M	15100-28-4m	0	pCi/g				
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PA-234M	15100-28-4m	0	pCi/g			0	
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PB-212	15092-94-1	1 07	pCi/g				
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PB-212	15092-94-1	1 07	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PB-214	15067-28-4	0 434	pCi/g				
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PB-214	15067-28-4	0 434	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PO-210	13981-52 7	0	pCi/g				
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	PO-210	13981-52 7	0	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	RA-226	10031-23-9	0	pCi/g				
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	RA-226	10031-23-9	0	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Th-231	14932-40-2	0	pCi/g				
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Th-231	14932-40-2	0	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	TL 208	14913-50-9	0.426	pCi/g				
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	TL-208	14913-50-9	0.426	pCi/g			0	
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Americium-241	14596-10-2	0	pCi/g				4
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	Americium-241	14596-10-2	0	pCi/g			0	4
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	CESIUM-134	13967 70-9	0	pCi/g				
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	CESIUM-134	13967 70-9	0	pCi/g			0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stkpile N	THORIUM-230	14269-63-7	0	pCi/g				

112

02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stipple N	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stipple N	Uranium-235	15117-96-1	0.172	pCi/g					1
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stipple N	Uranium-235	15117-96-1	0 172	pCi/g				0	1
02E0022-013.002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stipple N	Uranium-238	7440-61 1	0 907	pCi/g					8
02E0022-013 002	Soil	URS10B19	HPGe	02E0022-013	N MH-2 Stipple N	Uranium-238	7440-61 1	0 907	pCi/g				0	8
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	AC-228	7440-34-8	1.43	pCi/g					
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	AC-228	7440-34-8	1.43	pCi/g				0	
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	BI-212	14913-49-6	1 08	pCi/g					
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	BI-212	14913-49-6	1 08	pCi/g				0	
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	BI-214	14733-03-0	0.567	pCi/g					
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	BI-214	14733-03-0	0.567	pCi/g				0	
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	K-40	13966-0-2	19	pCi/g					
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	K-40	13966-0-2	19	pCi/g				0	
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PA-234	15100-28-4	0	pCi/g					
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PA-234	15100-28-4	0	pCi/g				0	
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PA-234M	15100-28-4m	0	pCi/g					
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PB-212	15092-94-1	1.32	pCi/g					
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PB-212	15092-94-1	1.32	pCi/g				0	
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PB-214	15067-28-4	0 821	pCi/g					
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PB-214	15067-28-4	0.821	pCi/g				0	
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PO-210	13981-52-7	0	pCi/g					
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	PO-210	13981-52-7	0	pCi/g				0	
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	RA-226	10031-23-9	2.25	pCi/g					
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	RA-226	10031-23-9	2.25	pCi/g				0	
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Th-231	14932-40-2	0	pCi/g					
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Th-231	14932-40-2	0	pCi/g				0	
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	TL-208	14913-50-9	0 467	pCi/g					
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	TL-208	14913-50-9	0 467	pCi/g				0	
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Americium-241	14596-10-2	0	pCi/g					4
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Americium-241	14596-10-2	0	pCi/g				0	4
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	CESIUM-134	13967-70-9	0	pCi/g					
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	THORIUM-230	14269-63-7	0	pCi/g					
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-014 002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Uranium-235	15117-96-1	0	pCi/g					1
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Uranium-238	7440-61 1	1 79	pCi/g					8
02E0022-014.002	Soil	URS10B19	HPGe	02E0022-014	N MH-2 Stipple M	Uranium-238	7440-61 1	1 79	pCi/g				0	8
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	AC-228	7440-34-8	1 86	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	AC-228	7440-34-8	1.86	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	BI-212	14913-49-6	1 85	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	BI-212	14913-49-6	1 85	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	BI-214	14733-03-0	0 753	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	BI-214	14733-03-0	0 753	pCi/g				0	
02E0022-015 002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	K-40	13966-0-2	18.5	pCi/g					
02E0022-015 002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	K-40	13966-0-2	18.5	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PA-234	15100-28-4	0	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PA-234	15100-28-4	0	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PA-234M	15100-28-4m	0	pCi/g					
02E0022-015 002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PB-212	15092-94-1	1 74	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PB-212	15092-94-1	1 74	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PB-214	15067-28-4	0.683	pCi/g					
02E0022-015 002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PB-214	15067-28-4	0 683	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PO-210	13981-52 7	0	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	PO-210	13981-52 7	0	pCi/g				0	
02E0022-015 002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	RA-226	10031-23-9	0	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	RA-226	10031-23-9	0	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Th-231	14932-40-2	0	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Th-231	14932-40-2	0	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	TL-208	14913-50-9	0.563	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	TL-208	14913-50-9	0.563	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Americium-241	14596-10-2	0	pCi/g					4
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Americium-241	14596-10-2	0	pCi/g				0	4
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	CESIUM-134	13967 70-9	0	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	CESIUM-134	13967-70-9	0	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	THORIUM-230	14269-63-7	0	pCi/g					
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Uranium-235	15117-96-1	0.161	pCi/g					1
02E0022-015.002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Uranium-235	15117-96-1	0 161	pCi/g				0	1

113

02E0022-015 002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Uranium-238	7440-61 1	1 12	pCi/g					6
02E0022-015 002	Soil	URS10B19	HPGe	02E0022-015	N MH-2 Stipple S	Uranium-238	7440-61 1	1 12	pCi/g				0	8
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	AC-228	7440-34-8	2 01	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	AC-228	7440-34-8	2 01	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	BI-212	14913-49-6	1 89	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	BI-212	14913-49-6	1 89	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	BI-214	14733-03-0	0 704	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	BI-214	14733-03-0	0 704	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	K-40	13966-0-2	21 6	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	K-40	13966-0-2	21 6	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PA-234	15100-28-4	0	pCi/g					
02E0022-016 002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PA-234	15100-28-4	0	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PA-234M	15100-28-4m	0	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PB-212	15092-94-1	1 86	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PB-212	15092-94-1	1 86	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PB-214	15067-28-4	0.834	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PB-214	15067-28-4	0 834	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PO-210	13981-52-7	0	pCi/g					
02E0022-016 002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	PO-210	13981-52 7	0	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	RA-226	10031-23-9	2 56	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	RA-226	10031 23-9	2.56	pCi/g				0	
02E0022-016 002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Th-231	14932-40-2	0	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Th-231	14932-40-2	0	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	TL-208	14913-50-9	0 578	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	TL-208	14913-50-9	0.578	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Americium-241	14596-10-2	0	pCi/g					4
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Americium-241	14596-10-2	0	pCi/g				0	4
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	CESIUM-134	13967 70-9	0	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	CESIUM-134	13967 70-9	0	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	THORIUM-230	14269-63-7	0	pCi/g					
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	THORIUM-230	14269-63-7	0	pCi/g				0	
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Uranium-235	15117-96-1	0	pCi/g					1
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Uranium-235	15117-96-1	0	pCi/g				0	1
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Uranium-238	7440-61 1	1 3	pCi/g					8
02E0022-016.002	Soil	URS10B19	HPGe	02E0022-016	Dup N MH-2 Stip S	Uranium-238	7440-61 1	1.3	pCi/g				0	8
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Arsenic	7440-38-2	3 4	UG/L	U				3 4
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Arsenic	7440-38-2	105	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Arsenic	7440-38-2	106	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Barium	7440-39-3	97	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Barium	7440-39-3	314	UG/L	B				0 86
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Cadmium	7440-43-9	43.4	UG/L					0 35
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Cadmium	7440-43-9	100	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Cadmium	7440-43-9	101	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	CHROMIUM	7440-47-3	8.2	UG/L	B				0.51
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	CHROMIUM	7440-47-3	100	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	CHROMIUM	7440-47-3	101	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Lead	7439-92-1	105	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Lead	7439-92-1	187	UG/L					2
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Mercury	7439-97-6	0.023	UG/L	U				0 023
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Mercury	7439-97-6	106	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Mercury	7439-97-6	106	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Selenium	7782-49-2	8.8	UG/L	B				4 6
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Selenium	7782-49-2	104	%REC					
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Silver	7440-22-4	1.3	UG/L	B				0 47
02E0053-012.001	Pipe Scale	MET-A-031	SW-846-TOTAL	02E0053-012	8U38-000	Silver	7440-22-4	107	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	BENZENE, 1,2,3,5-TETRAMETHYL	527-53-7	9 9	UG/KG	J				
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	HEXANAL	66-25-1	12	UG/KG	J				
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	UNKNOWN	TIC	8.3	UG/KG	J				
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1,1,2-TETRACHLOROETHANE	630-20-6	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1,1-TCA	71-55-6	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1,2,2-Tetrachloroethane	79-34-5	5.2	UG/KG	U				1 1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1 1,2-TCA	79-00-5	5.2	UG/KG	U				1 6
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	5.2	UG/KG	U				1.3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1-DCA	75-34-3	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1-DCE	75-35-4	5.2	UG/KG	U				1 1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1 1-DCE	75-35-4	66	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1-DCE	75-35-4	66	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,1-DICHLOROPROPENE	563-58-6	5.2	UG/KG	U				0 96
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,2 DICHLOROETHANE -D4	17060-07-0	91	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	8U38-000	1,2,3-TRICHLOROBENZENE	87-61-6	5.2	UG/KG	U				0.85

114

02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,2,3-TRICHLOROPROPANE	96-18-4	5.2	UG/KG	U				1 6
02E0053-012 002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,2 4-Trichlorobenzene	120-82-1	5.2	UG/KG	U				0 74
02E0053-012 002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,2-DCA	107-06-2	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,2-DCB	95-50-1	5.2	UG/KG	U				1 1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,2-Dibromo-3-chloropropane	96-12-8	5.2	UG/KG	U				1 5
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,2-DIBROMOETHANE	106-93-4	5.2	UG/KG	U				0 98
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,2-Dichloropropane	78-87-5	5.2	UG/KG	U				1 3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,3-DICHLOROBENZENE	541-73-1	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1,3-DICHLOROPROPANE	142-28-9	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	1 4-DCB	106-46-7	5.2	UG/KG	U				1 5
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	2,2-DICHLOROPROPANE	594-20-7	5.2	UG/KG	U				0 84
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	2-Butanone	78-93-3	8 6	UG/KG	J				4 9
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	2-ETHYL-1-HEXANOL	104-76-7	85	UG/KG	J				
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	2-HEXANONE	591 78-6	21	UG/KG	U				4 8
02E0053-012 002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	4-ISOPROPYLTOLUENE	99-87-6	2 6	UG/KG	J				1 6
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	4-METHYL-2-PENTANONE	108-10-1	21	UG/KG	U				4 1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Acetone	67-64-1	25	UG/KG	B				4 8
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Benzene	71-43-2	5.2	UG/KG	U				0 93
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Benzene	71-43-2	67	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Benzene	71-43-2	90	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	BENZENE, 1,2,4-TRIMETHYL	95-63-6	2	UG/KG	J				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	BENZENE, 1,3,5-TRIMETHYL	108-67-8	5.2	UG/KG	U				1 3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	BROMOBENZENE	108-86-1	5.2	UG/KG	U				0 94
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	BROMOCHLOROMETHANE	74-97-5	5.2	UG/KG	U				0 74
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Bromodichloromethane	75-27-4	5.2	UG/KG	U				0 98
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	BROMOFLUOROBENZENE	460-00-4	95	%REC					
02E0053-012 002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Bromoform	75-25-2	5.2	UG/KG	U				0.95
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Bromomethane	74-83-9	5.2	UG/KG	U				1.3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	CARBON DISULFIDE	75-15-0	5.2	UG/KG	U				0 98
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Carbon tetrachloride	56-23-5	5.2	UG/KG	U				1 3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Chlorobenzene	108-90-7	5.2	UG/KG	U				0 79
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Chlorobenzene	108-90-7	38	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Chlorobenzene	108-90-7	60	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Chloroethane	75-00-3	5.2	UG/KG	U				1 4
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Chloroform	67-66-3	5.2	UG/KG	U				0 94
02E0053-012 002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Chloromethane	74-87-3	5.2	UG/KG	U				1 6
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	cis-1,2-DICHLOROETHENE	156-59-2	2.6	UG/KG	U				0.88
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Cis-1,3-Dichloropropene	10061-01-5	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Dibromochloromethane	124-48-1	5.2	UG/KG	U				0 94
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Dibromofluoromethane	1868-53-7	91	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	DIBROMOMETHANE	74-95-3	5.2	UG/KG	U				1 4
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	DICHLORODIFLUOROMETHANE	75-71-8	5.2	UG/KG	U				1 7
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Ethylbenzene	100-41-4	1 9	UG/KG	J				1 3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Hexachlorobutadiene	87-68-3	5.2	UG/KG	U				1.5
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	ISOPROPYLBENZENE	98-82-8	5.2	UG/KG	U				0 89
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Methylene chloride	75-09-2	1 6	UG/KG	JB				0 84
02E0053-012 002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	n-BUTYLBENZENE	104-51-8	5.2	UG/KG	U				1 3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	n-PROPYLBENZENE	103-65-1	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Naphthalene	91-20-3	8.8	UG/KG					0 9
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	o-CHLOROTOLUENE	95-49-8	5.2	UG/KG	U				1 3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	p-CHLOROTOLUENE	106-43-4	5.2	UG/KG	U				1.5
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	sec-BUTYLBENZENE	135-98-8	5.2	UG/KG	U				1 3
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Styrene	100-42-5	3	UG/KG	J				0 69
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	TCE	79-01-6	5.2	UG/KG	U				0 91
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	TCE	79-01-6	51	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	TCE	79-01-6	74	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	tert-BUTYLBENZENE	98-06-6	5.2	UG/KG	U				1 5
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Tetrachloroethene	127 18-4	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Toluene	108-88-3	4.4	UG/KG	J				0 81
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Toluene	108-88-3	49	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Toluene	108-88-3	71	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	TOLUENE D8	2037-26-5	90	%REC					
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	trans-1,2-DICHLOROETHENE	156-60-5	2 6	UG/KG	U				0 83
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Trans-1,3-Dichloropropene	10061-02-6	5.2	UG/KG	U				1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	TRICHLOROFLUOROMETHANE	75-69-4	5.2	UG/KG	U				0 53
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Vinyl chloride	75-01-4	5.2	UG/KG	U				1 1
02E0053-012.002	Pipe Scale	VOA- A-011	SW-846 8260	02E0053-012	BU38-000	Xylenes (total)	1330-20-7	18	UG/KG					2 9
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	UNKNOWN	TIC	6.8	UG/L	J				
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1,1,2-TETRACHLOROETHANE	630-20-6	1	UG/L	U				0.28
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1 1 TCA	71-55-6	1	UG/L	U				0.32
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1,2,2-Tetrachloroethene	79-34-5	1	UG/L	U				0 5

115

02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1,2 TCA	79-00-5	1	UG/L	U				0.41
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1,2 TRICHLOROTRIFLUOROETHANE	76-13-1	1	UG/L	U				0.56
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1-DCA	75-34-3	1	UG/L	U				0.29
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1-DCE	75-35-4	1	UG/L	U				0.31
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,1-DICHLOROPROPENE	563-58-6	1	UG/L	U				0.29
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2 DICHLOROETHANE -D4	17060-07-0	90	%REC					
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2,3-TRICHLOROBENZENE	87-61-6	1	UG/L	U				0.62
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2,3-TRICHLOROPROPANE	96-18-4	1	UG/L	U				0.76
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2,4-Trichlorobenzene	120-82-1	1	UG/L	U				0.63
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2-DCA	107-06-2	1	UG/L	U				0.43
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2-DCB	95-50-1	1	UG/L	U				0.3
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2-Dibromo-3-chloropropane	96-12-8	2	UG/L	U				0.49
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2-DIBROMOETHANE	106-93-4	1	UG/L	U				0.46
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,2-Dichloropropane	78-87-5	1	UG/L	U				0.38
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,3-DICHLOROBENZENE	541 73-1	1	UG/L	U				0.3
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,3-DICHLOROPROPANE	142-28-9	1	UG/L	U				0.37
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	1,4-DCB	106-46-7	1	UG/L	U				0.31
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	2,2-DICHLOROPROPANE	594-20-7	5	UG/L	U				0.37
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	2-Butanone	78-93-3	5	UG/L	U				2.4
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	2-HEXANONE	591 78-6	5	UG/L	U				1.8
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	4-ISOPROPYLTOLUENE	99-87-6	1	UG/L	U				0.32
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	4-METHYL-2-PENTANONE	108-10-1	5	UG/L	U				1.8
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Acetone	67-64-1	10	UG/L	U				2.9
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Benzene	71-43-2	1	UG/L	U				0.27
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	BENZENE, 1,2,4-TRIMETHYL	95-63-6	1	UG/L	U				0.3
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	BENZENE, 1,3,5-TRIMETHYL	108-67-8	1	UG/L	U				0.31
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	BROMOBENZENE	108-86-1	1	UG/L	U				0.32
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	BROMOCHLOROMETHANE	74-97-5	1	UG/L	U				0.39
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Bromodichloromethane	75-27-4	1	UG/L	U				0.35
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	BROMOFLUOROBENZENE	460-00-4	95	%REC					
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Bromoform	75-25-2	1	UG/L	U				0.46
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Bromomethane	74-83-9	2	UG/L	U				0.28
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	CARBON DISULFIDE	75-15-0	0.92	UG/L	J				0.67
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Carbon tetrachloride	56-23-5	1	UG/L	U				0.35
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Chlorobenzene	108-90-7	1	UG/L	U				0.24
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Chloroethane	75-00-3	2	UG/L	U				0.26
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Chloroform	67-66-3	1	UG/L	U				0.29
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Chloromethane	74-87-3	2	UG/L	U				0.26
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	cis-1,2-DICHLOROETHENE	156-59-2	1	UG/L	U				0.33
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Cis-1,3-Dichloropropene	10061-01-5	1	UG/L	U				0.31
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Dibromochloromethane	124-48-1	1	UG/L	U				0.37
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Dibromofluoromethane	1868-53-7	95	%REC					
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	DIBROMOMETHANE	74-95-3	1	UG/L	U				0.4
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	DICHLORODIFLUOROMETHANE	75-71-8	2	UG/L	U				0.44
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Ethylbenzene	100-41-4	1	UG/L	U				0.51
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Hexachlorobutadiene	87-68-3	1	UG/L	U				0.37
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	ISOPROPYLBENZENE	98-82-8	1	UG/L	U				0.3
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Methylene chloride	75-09-2	1	UG/L	U				0.66
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	n-BUTYLBENZENE	104-51-8	1	UG/L	U				0.41
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	n-PROPYLBENZENE	103-65-1	1	UG/L	U				0.33
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Naphthalene	91-20-3	1	UG/L	U				0.78
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	o-CHLOROTOLUENE	95-49-8	1	UG/L	U				0.23
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	p-CHLOROTOLUENE	106-43-4	1	UG/L	U				0.26
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	sec-BUTYLBENZENE	135-98-8	1	UG/L	U				0.34
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Styrene	100-42-5	1	UG/L	U				0.28
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	TCE	79-01-6	1	UG/L	U				0.24
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	tert-BUTYLBENZENE	98-06-6	1	UG/L	U				0.29
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Tetrachloroethene	127 18-4	1	UG/L	U				0.27
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Toluene	108-88-3	1	UG/L	U				0.26
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	TOLUENE D8	2037-26-5	95	%REC					
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	trans-1,2-DICHLOROETHENE	156-60-5	0.5	UG/L	U				0.25
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Trans-1,3-Dichloropropene	10061-02-6	1	UG/L	U				0.36
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	TRICHLOROFLUOROMETHANE	75-69-4	2	UG/L	U				0.43
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Vinyl chloride	75-01-4	1	UG/L	U				0.26
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	Xylenes (total)	1330-20-7	2	UG/L	U				0.73
02E0053-013.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-013	NA	UNKNOWN	TIC	6.3	UG/L	J				
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,1 1,2-TETRACHLOROETHANE	630-20-6	1	UG/L	U				0.28
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1 1,1-TCA	71-55-6	1	UG/L	U				0.32
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,1,2,2-Tetrachloroethane	79-34-5	1	UG/L	U				0.5
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,1,2-TCA	79-00-5	1	UG/L	U				0.41
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,1,2-TRICHLOROTRIFLUOROETHANE	76-13-1	1	UG/L	U				0.56

116

02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,1-DCA	75-34-3	1	UG/L	U				0.29
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,1-DCE	75-35-4	1	UG/L	U				0 31
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1 1-DICHLOROPROPENE	563-58-6	1	UG/L	U				0.29
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2 DICHLOROETHANE -D4	17060-07-0	94	%REC					
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2,3-TRICHLOROBENZENE	87-61-6	1	UG/L	U				0 62
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2,3-TRICHLOROPROPANE	96-18-4	1	UG/L	U				0 76
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2,4-Trichlorobenzene	120-82 1	1	UG/L	U				0 63
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2-DCA	107-06-2	1	UG/L	U				0 43
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2-DCB	95-50-1	1	UG/L	U				0 3
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2-Dibromo-3-chloropropane	96-12-8	2	UG/L	U				0 49
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2-DIBROMOETHANE	106-93-4	1	UG/L	U				0 46
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,2-Dichloropropane	78-87-5	1	UG/L	U				0 38
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,3-DICHLOROBENZENE	541 73-1	1	UG/L	U				0.3
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,3-DICHLOROPROPANE	142-28-9	1	UG/L	U				0 37
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	1,4-DCB	106-46-7	1	UG/L	U				0.31
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	2,2-DICHLOROPROPANE	594-20-7	5	UG/L	U				0 37
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	2-Butanone	78-93-3	5	UG/L	U				2 4
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	2-HEXANONE	591 78-6	5	UG/L	U				1 8
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	4-ISOPROPYLTOLUENE	99-87-6	1	UG/L	U				0 32
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	4-METHYL-2-PENTANONE	108-10-1	5	UG/L	U				1 8
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Acetone	67-64-1	5	UG/L	J				2 9
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Benzene	71-43-2	1	UG/L	U				0.27
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	BENZENE, 1,2,4-TRIMETHYL	95-63-6	1	UG/L	U				0.3
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	BENZENE, 1,3,5-TRIMETHYL	108-67-8	1	UG/L	U				0.31
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	BROMOBENZENE	108-86-1	1	UG/L	U				0.32
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	BROMOCHLOROMETHANE	74-97-5	1	UG/L	U				0.39
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Bromodichloromethane	75-27-4	1	UG/L	U				0 35
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	BROMOFLUOROBENZENE	460-00-4	94	%REC					
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Bromoform	75-25-2	1	UG/L	U				0.48
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Bromomethane	74-83-9	2	UG/L	U				0.28
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	CARBON DISULFIDE	75-15-0	1	UG/L	U				0 67
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Carbon tetrachloride	56-23-5	1	UG/L	U				0.35
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Chlorobenzene	108-90-7	1	UG/L	U				0.24
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Chloroethane	75-00-3	2	UG/L	U				0.28
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Chloroform	67-66-3	1	UG/L	U				0.29
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Chloromethane	74-87-3	2	UG/L	U				0.28
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	cis-1,2-DICHLOROETHENE	156-59-2	1	UG/L	U				0.33
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Cis-1,3-Dichloropropene	10061-01-5	1	UG/L	U				0.31
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Dibromochloromethane	124-48-1	1	UG/L	U				0.37
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Dibromofluoromethane	1868-53-7	97	%REC					
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	DIBROMOMETHANE	74-95-3	1	UG/L	U				0.4
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	DICHLORODIFLUOROMETHANE	75-71-8	2	UG/L	U				0.44
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Ethylbenzene	100-41-4	1	UG/L	U				0.51
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Hexachlorobutadiene	87-68-3	1	UG/L	U				0 37
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	ISOPROPYLBENZENE	98-82-8	1	UG/L	U				0.3
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Methylene chloride	75-09-2	1	UG/L	U				0.86
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	n-BUTYLBENZENE	104-51-8	1	UG/L	U				0.41
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	n-PROPYLBENZENE	103-65-1	1	UG/L	U				0 33
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Naphthalene	91-20-3	1	UG/L	U				0 78
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	o-CHLOROTOLUENE	95-49-8	1	UG/L	U				0.23
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	p-CHLOROTOLUENE	106-43-4	1	UG/L	U				0.26
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	sec-BUTYLBENZENE	135-98-8	1	UG/L	U				0 34
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Styrene	100-42-5	1	UG/L	U				0.28
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	TCE	79-01-6	1	UG/L	U				0.24
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	tert-BUTYLBENZENE	98-06-6	1	UG/L	U				0.29
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Tetrachloroethene	127 18-4	1	UG/L	U				0.27
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Toluene	108-88-3	1	UG/L	U				0.26
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	TOLUENE D8	2037-26-5	95	%REC					
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	trans-1,2-DICHLOROETHENE	156-60-5	0.5	UG/L	U				0.25
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Trans-1,3-Dichloropropene	10061-02-6	1	UG/L	U				0 36
02E0053-014.001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	TRICHLOROFLUOROMETHANE	75-69-4	2	UG/L	U				0.43
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Vinyl chloride	75-01-4	1	UG/L	U				0.26
02E0053-014 001	Water Quality Control Matrix	VOA-A-009	SW-846 8260	02E0053-014	NA	Xylenes (total)	1330-20-7	2	UG/L	U				0 73

117

02E0015-001 001	Soil	PEP-A-007	SW-846 8082	02E0015-001	BT39-A001	AROCLOR 1016	12674-11 2	35	UG/KG	U	V			3 7
02E0015-001 001	Soil	PEP-A-007	SW-846 8082	02E0015-001	BT39-A001	AROCLOR 1221	11104-28-2	35	UG/KG	U	V			7 4
02E0015-001 001	Soil	PEP A-007	SW-846 8082	02E0015-001	BT39-A001	AROCLOR 1232	11141 16-5	35	UG/KG	U	V			9 3
02E0015-001 001	Soil	PEP-A-007	SW-846 8082	02E0015-001	BT39-A001	AROCLOR 1242	53469-21 9	35	UG/KG	U	V			9
02E0015-001 001	Soil	PEP-A-007	SW-846 8082	02E0015-001	BT39-A001	AROCLOR 1248	12672 29-6	35	UG/KG	U	V			6 5
02E0015-001 001	Soil	PEP A-007	SW-846 8082	02E0015-001	BT39-A001	AROCLOR 1254	11097-69-1	22	UG/KG	J	V			6 5
02E0015-001 001	Soil	PEP-A-007	SW-846 8082	02E0015-001	BT39-A001	AROCLOR 1260	11096-82 5	14	UG/KG	J	V			5 2
02E0015-001 001	Soil	PEP-A-007	SW-846 8082	02E0015-001	BT39-A001	DECACHLOROBIPHENYL	2051 24 3	102	%REC					
02E0015-001 001	Soil	PEP-A-007	SW-846 8082	02E0015-001	BT39-A001	TETRACHLORO M-XYLENE	877-09-8	82	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234678-HPCDD	35822-46-9	11	PG/G	B	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234678-HPCDD	35822-46-9	74	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234678-HPCDD	35822-46-9	78	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234678-HPCDF	67562-39-4	6.2	PG/G	B	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234678-HPCDF	67562-39-4	75	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234678-HPCDF	67562-39-4	76	%REC	B				
02E0015-001 002	Soil	TSK A-003	SW-846 8290	02E0015-001	BT39-A001	123478-HXCDD	39227 28-6	0.23	PG/G	BJ	JB	107		0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123478-HXCDD	39227 28-6	77	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123478-HXCDF	70648-26-9	0 68	PG/G	BJ	JB	107		0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123478-HXCDF	70648-26-9	79	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123478-HXCDF	70648-26-9	80	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234789-HPCDF	55673-89-7	0 15	PG/G	U	V			0
02E0015-001.002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234789-HPCDF	55673-89-7	72	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	1234789-HPCDF	55673-89-7	78	%REC	B				
02E0015-001.002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123678-HXCDD	57653-85-7	0 56	PG/G	J	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123678-HXCDD	57653-85-7	78	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123678-HXCDD	57653-85-7	81	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123678-HXCDF	57117-44-9	0 9	PG/G	BJ	JB	107		0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123678-HXCDF	57117-44-9	80	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123678-HXCDF	57117-44-9	82	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	12378-PECDD	40321-76-4	0 56	PG/G	J	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	12378-PECDD	40321-76-4	80	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	12378-PECDD	40321-76-4	82	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	12378-PECDF	57117-41-6	0 79	PG/G	J	V			0
02E0015-001.002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	12378-PECDF	57117-41-6	82	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	12378-PECDF	57117-41-6	85	%REC					
02E0015-001.002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123789-HXCDD	19408-74-3	0 45	PG/G	J	V			0

118

02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123789-HXCDD	19408-74 3	75	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123789-HXCDD	19408-74 3	78	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123789-HXCDF	72918-21-9	0 095	PG/G	U	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123789-HXCDF	72918-21 9	80	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	123789-HXCDF	72918-21 9	81	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	234678-HXCDF	60851-34-5	0 34	PG/G	BJ	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	234678-HXCDF	60851-34-5	78	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	234678-HXCDF	60851-34-5	84	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	23478-PECDF	57117 31-4	0 56	PG/G	J	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	23478-PECDF	57117-31-4	79	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	23478-PECDF	57117-31-4	80	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	2378-TCDF	51207-31-9	3 6	PG/G		V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	2378-TCDF	51207-31-9	82	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	2378-TCDF	51207-31-9	88	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	DIOXIN	1746-01-6	3 5	PG/G		V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	DIOXIN	1746-01-6	81	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	DIOXIN	1746-01-6	82	%REC					
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	OCDD	3268-87-9	74	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	OCDD	3268-87-9	80	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	OCDD	3268-87-9	84	PG/G	B	V			0
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	OCDF	39001-02-0	5 1	PG/G	BJ	JB	107		0
02E0015-001.002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	OCDF	39001-02-0	76	%REC	B				
02E0015-001 002	Soil	TSK-A-003	SW-846 8290	02E0015-001	BT39-A001	OCDF	39001-02-0	77	%REC	B				
02E0015-002 001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	AROCLOR-1016	12674-11-2	39	UG/KG	U	V			4
02E0015-002.001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	AROCLOR-1221	11104-28-2	39	UG/KG	U	V			8.2
02E0015-002 001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	AROCLOR-1232	11141-16-5	39	UG/KG	U	V			10
02E0015-002.001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	AROCLOR-1242	53469-21-9	39	UG/KG	U	V			9 9
02E0015-002 001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	AROCLOR-1248	12672-29-6	39	UG/KG	U	V			7 1
02E0015-002 001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	AROCLOR 1254	11097-69-1	39	UG/KG	U	V			7.2
02E0015-002 001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	AROCLOR 1260	11096-82-5	13	UG/KG	J	V			5 7
02E0015-002 001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	DECACHLOROBIPHENYL	2051-24 3	106	%REC					
02E0015-002 001	Soil	PEP-A-007	SW-846 8082	02E0015-002	BT39-A002	TETRACHLORO-M-XYLENE	877-09-8	69	%REC					
02E0015-002 002	Soil	TSK A-003	SW-846 8290	02E0015-002	BT39-A002	1234678-HPCDD	35822-46-9	14	PG/G	B	V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	1234678-HPCDF	67562-39-4	3 8	PG/G	BJ	V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	123478-HXCDD	39227-28-6	0.22	PG/G	BJ	JB	107		0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	123478-HXCDF	70648-26-9	0 45	PG/G	BJ	JB	107		0

119

02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	1234789-HPCDF	55673-89-7	0 34	PG/G	BJ	JB	107		0
02E0015-002 002	Soil	TSK A-003	SW-846 8290	02E0015-002	BT39-A002	123678-HXCDD	57653-85-7	0 56	PG/G	J	V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	123678-HXCDF	57117-44 9	0 67	PG/G	BJ	JB	107		0
02E0015-002 002	Soil	TSK A-003	SW-846 8290	02E0015-002	BT39-A002	12378-PECDD	40321 76-4	0 45	PG/G	J	V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	12378-PECDF	57117-41-6	0 14	PG/G	U	V			0
02E0015-002 002	Soil	TSK A-003	SW-846 8290	02E0015-002	BT39-A002	123789-HXCDD	19408-74 3	0 79	PG/G	J	V			0
02E0015-002 002	Soil	TSK A-003	SW-846 8290	02E0015-002	BT39-A002	123789-HXCDF	72918-21 9	0.22	PG/G	BJ	JB	107		0
02E0015-002 002	Soil	TSK A-003	SW-846 8290	02E0015-002	BT39-A002	234678-HXCDF	60851-34 5	0 34	PG/G	BJ	V			0
02E0015-002 002	Soil	TSK A-003	SW-846 8290	02E0015-002	BT39-A002	23478-PECDF	57117-31-4	0 14	PG/G	U	V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	2378-TCDF	51207-31 9	0 79	PG/G	J	V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	DIOXIN	1746-01-6	1 6	PG/G		V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	OCDD	3268-87 9	78	PG/G	B	V			0
02E0015-002 002	Soil	TSK-A-003	SW-846 8290	02E0015-002	BT39-A002	OCDF	39001-02-0	5 5	PG/G	BJ	JB	107		0
02E0015-003 001	Soil	PEP A-007	SW-846 8082	02E0015-003	BT39-A003	AROCLOR 1016	12674-11 2	36	UG/KG	U	V			3 8
02E0015-003 001	Soil	PEP A-007	SW-846 8082	02E0015-003	BT39-A003	AROCLOR 1221	11104-28-2	36	UG/KG	U	V			7 6
02E0015-003 001	Soil	PEP A-007	SW-846 8082	02E0015-003	BT39-A003	AROCLOR 1232	11141 16-5	36	UG/KG	U	V			9 5
02E0015-003 001	Soil	PEP-A-007	SW-846 8082	02E0015-003	BT39-A003	AROCLOR 1242	53469-21 9	36	UG/KG	U	V			9.2
02E0015-003 001	Soil	PEP-A-007	SW-846 8082	02E0015-003	BT39-A003	AROCLOR 1248	12672-29-6	42	UG/KG		V			6 7
02E0015-003 001	Soil	PEP-A-007	SW-846 8082	02E0015-003	BT39-A003	AROCLOR 1254	11097-69-1	30	UG/KG	J	V			6 7
02E0015-003 001	Soil	PEP-A-007	SW-846 8082	02E0015-003	BT39-A003	AROCLOR-1260	11096-82 5	36	UG/KG	U	V			5 3
02E0015-003 001	Soil	PEP-A-007	SW-846 8082	02E0015-003	BT39-A003	DECACHLOROBIPHENYL	2051-24-3	106	%REC					
02E0015-003 001	Soil	PEP A-007	SW-846 8082	02E0015-003	BT39-A003	TETRACHLORO-M-XYLENE	877-09-8	85	%REC					
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	1234678-HPCDD	35822-46-9	33	PG/G	B	V			0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	1234678-HPCDF	67562-39-4	8 7	PG/G	B	V			0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	123478-HXCDD	39227 28-6	0 47	PG/G	BJ	JB	107		0
02E0015-003 002	Soil	TSK A-003	SW-846 8290	02E0015-003	BT39-A003	123478-HXCDF	70648-26-9	1 5	PG/G	BJ	JB	107		0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	1234789-HPCDF	55673-89-7	0.27	PG/G	U	V			0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	123678-HXCDD	57653-85-7	1.2	PG/G	J	V			0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	123678-HXCDF	57117-44-9	1.2	PG/G	BJ	JB	107		0
02E0015-003.002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	12378-PECDD	40321-76-4	0 82	PG/G	J	V			0
02E0015-003.002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	12378-PECDF	57117-41-6	4 3	PG/G	J	V			0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	123789-HXCDD	19408-74-3	1 1	PG/G	J	V			0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	123789-HXCDF	72918-21 9	0 15	PG/G	U	V			0
02E0015-003.002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	234678-HXCDF	60851-34-5	0 82	PG/G	BJ	V			0
02E0015-003.002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	23478-PECDF	57117-31-4	1 9	PG/G	J	V			0
02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	2378-TCDF	51207-31 9	12	PG/G		V			0

120

02E0015-003 002	Soil	TSK-A-003	SW-846 8290	02E0015-003	BT39-A003	DIOXIN	1746-01-6	6 6	PG/G		V			0
02E0015-003 002	Soil	TSK A-003	SW-846 8290	02E0015-003	BT39-A003	OCDD	3268-87 9	290	PG/G	B	V			0
02E0015-003 002	Soil	TSK A-003	SW-846 8290	02E0015-003	BT39-A003	OCDF	39001-02-0	11	PG/G	BJ	V			0
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	AROCLOR 1016	12674-11 2	36	UG/KG	U	V			3 7
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	AROCLOR 1221	11104 28-2	36	UG/KG	U	V			7 5
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	AROCLOR 1232	11141 16-5	36	UG/KG	U	V			9 4
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	AROCLOR 1242	53469-21 9	36	UG/KG	U	V			9 1
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	AROCLOR 1248	12672-29-6	36	UG/KG	U	V			6 6
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	AROCLOR-1254	11097-69-1	36	UG/KG	U	V			6 6
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	AROCLOR 1260	11096-82 5	36	UG/KG	U	V			5 2
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	DECACHLOROBIPHENYL	2051 24-3	87	%REC					
02E0015-004 001	Soil	PEP-A-007	SW-846 8082	02E0015-004	BT39-A004	TETRACHLORO-M-XYLENE	877-09-8	78	%REC					
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	1234678-HPCDD	35822-46-9	2 8	PG/G	BJ	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	1234678-HPCDF	67562-39-4	1 4	PG/G	BJ	JB	107		0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	123478-HXCDD	39227-28-6	0.25	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	123478-HXCDF	70648-26-9	0 12	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	1234789-HPCDF	55673-89-7	0 35	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	123678-HXCDD	57653-85-7	0.23	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	123678-HXCDF	57117-44-9	0 11	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	12378-PECDD	40321-76-4	0.25	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	12378-PECDF	57117-41-6	0.23	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	123789-HXCDD	19408-74-3	0.24	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	123789-HXCDF	72918-21-9	0 14	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	234678-HXCDF	60851-34-5	0 13	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	23478-PECDF	57117-31-4	0.22	PG/G	U	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	2378-TCDF	51207-31-9	0 76	PG/G	J	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	DIOXIN	1746-01-6	1 6	PG/G		V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	OCDD	3268-87-9	18	PG/G	B	V			0
02E0015-004 002	Soil	TSK-A-003	SW-846 8290	02E0015-004	BT39-A004	OCDF	39001-02-0	2	PG/G	BJ	JB	107		0
02E0015-005 001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	AROCLOR 1016	12674-11-2	35	UG/KG	U	V			3 6
02E0015-005 001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	AROCLOR 1221	11104-28-2	35	UG/KG	U	V			7 4
02E0015-005.001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	AROCLOR-1232	11141-16-5	35	UG/KG	U	V			9.2
02E0015-005 001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	AROCLOR-1242	53469-21-9	35	UG/KG	U	V			8 9
02E0015-005 001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	AROCLOR-1248	12672-29-6	32	UG/KG	J	V			6 4
02E0015-005.001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	AROCLOR-1254	11097-69-1	29	UG/KG	J	V			6.5
02E0015-005 001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	AROCLOR-1260	11096-82-5	17	UG/KG	J	V			5 1

121

02E0015-005 001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	DECACHLOROBIPHENYL	2051 24-3	102	%REC					
02E0015-005 001	Soil	PEP-A-007	SW-846 8082	02E0015-005	BT38-A001	TETRACHLORO-M-XYLENE	877-09-8	87	%REC					
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	1234678-HPCDD	35822-46-9	23	PG/G	B	V			0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	1234678-HPCDF	67562-39-4	5 7	PG/G	B	V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	123478-HXCDD	39227-28-6	0 3	PG/G	U	V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	123478-HXCDF	70648-26-9	0 54	PG/G	BJ	JB	107		0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	1234789-HPCDF	55673-89-7	0 33	PG/G	U	V			0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	123678-HXCDD	57653-85-7	0 97	PG/G	J	V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	123678-HXCDF	57117-44 9	0 43	PG/G	BJ	JB	107		0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	12378-PECDD	40321 76-4	0 65	PG/G	J	V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	12378-PECDF	57117-41-6	1.2	PG/G	J	V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	123789-HXCDD	19408-74 3	0 28	PG/G	U	V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	123789-HXCDF	72918-21 9	0 16	PG/G	U	V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	234678-HXCDF	60851-34-5	0 43	PG/G	BJ	V			0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	23478-PECDF	57117-31-4	0 65	PG/G	J	V			0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	2378-TCDF	51207-31 9	3 8	PG/G		V			0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	DIOXIN	1746-01-6	5 6	PG/G		V			0
02E0015-005 002	Soil	TSK A-003	SW-846 8290	02E0015-005	BT38-A001	OCDD	3268-87 9	180	PG/G	B	V			0
02E0015-005 002	Soil	TSK-A-003	SW-846 8290	02E0015-005	BT38-A001	OCDF	39001-02-0	8 9	PG/G	BJ	V			0
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	AROCLOR 1016	12674-11 2	19	UG/KG	J	V			3 6
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	AROCLOR 1221	11104-28-2	35	UG/KG	U	V			7 3
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	AROCLOR 1232	11141-16-5	35	UG/KG	U	V			9 1
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	AROCLOR-1242	53469-21 9	35	UG/KG	U	V			8 8
02E0015-006 001	Soil	PEP A-007	SW-846 8082	02E0015-006	BT38-A002	AROCLOR-1248	12672 29-6	35	UG/KG		V			6 4
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	AROCLOR 1254	11097-69-1	35	UG/KG	U	V			6 4
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	AROCLOR-1260	11096-82-5	35	UG/KG	U	UJ	141		5 1
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	DECACHLOROBIPHENYL	2051-24-3	62	%REC					
02E0015-006 001	Soil	PEP-A-007	SW-846 8082	02E0015-006	BT38-A002	TETRACHLORO-M-XYLENE	877-09-8	61	%REC					
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	1234678-HPCDD	35822-46-9	13	PG/G	B	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	1234678-HPCDF	67562-39-4	3 5	PG/G	BJ	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	123478-HXCDD	39227-28-6	0 38	PG/G	U	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	123478-HXCDF	70648-26-9	0 53	PG/G	BJ	JB	107		0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	1234789-HPCDF	55673-89-7	0 51	PG/G	U	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	123678-HXCDD	57653-85-7	0 84	PG/G	J	V			0
02E0015-006.002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	123678-HXCDF	57117-44 9	0 53	PG/G	BJ	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	12378-PECDD	40321 76-4	0 63	PG/G	J	V			0

122

02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	12378-PECDF	57117-41-6	0 3	PG/G	U	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	123789-HXCDD	19408-74 3	0 63	PG/G	J	V			0
02E0015-006 002	Soil	TSK A-003	SW-846 8290	02E0015-006	BT38-A002	123789-HXCDF	72918-21 9	0.26	PG/G	U	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	234678-HXCDF	60851 34 5	0.23	PG/G	U	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	23478-PECDF	57117-31-4	0 42	PG/G	J	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	2378-TCDF	51207 31 9	2 6	PG/G		V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	DIOXIN	1746-01-6	3 5	PG/G		V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	OCDD	3268-87 9	88	PG/G	B	V			0
02E0015-006 002	Soil	TSK-A-003	SW-846 8290	02E0015-006	BT38-A002	OCDF	39001-02-0	16	PG/G	B	V			0
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	AROCLOR 1016	12674-11 2	13	UG/KG	J	V			3 6
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	AROCLOR 1221	11104 28-2	35	UG/KG	U	V			7 4
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	AROCLOR-1232	11141 16-5	35	UG/KG	U	V			9 3
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	AROCLOR 1242	53469-21 9	23	UG/KG	J	V			9
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	AROCLOR 1248	12672-29-6	17	UG/KG	J	V			6 5
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	AROCLOR 1254	11097-69-1	6 9	UG/KG	J	V			6 5
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	AROCLOR 1260	11096-82-5	35	UG/KG	U	UJ	141		5 1
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	DECACHLOROBIPHENYL	2051-24-3	65	%REC					
02E0015-007 001	Soil	PEP-A-007	SW-846 8082	02E0015-007	BT38-A002	TETRACHLORO-M-XYLENE	877-09-8	63	%REC					
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	1234678-HPCDD	35822-46-9	8 5	PG/G	B	V			0
02E0015-007 002	Soil	TSK A-003	SW-846 8290	02E0015-007	BT38-A002	1234678-HPCDF	67562-39-4	3 4	PG/G	BJ	V			0
02E0015-007.002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	123478-HXCDD	39227-28-6	0.26	PG/G	U	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	123478-HXCDF	70648-26-9	0 67	PG/G	BJ	JB	107		0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	1234789-HPCDF	55673-89-7	0 32	PG/G	U	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	123678-HXCDD	57653-85-7	0 67	PG/G	J	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	123678-HXCDF	57117-44 9	0 55	PG/G	BJ	JB	107		0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	12378-PECDD	40321-76-4	0 67	PG/G	J	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	12378-PECDF	57117-41-6	0 89	PG/G	J	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	123789-HXCDD	19408-74-3	0 67	PG/G	J	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	123789-HXCDF	72918-21-9	0 18	PG/G	U	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	234678-HXCDF	60851-34-5	0 44	PG/G	BJ	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	23478-PECDF	57117-31-4	0 44	PG/G	J	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	2378-TCDF	51207-31-9	4.2	PG/G		V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	DIOXIN	1746-01-6	6 8	PG/G		V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	OCDD	3268-87-9	57	PG/G	B	V			0
02E0015-007 002	Soil	TSK-A-003	SW-846 8290	02E0015-007	BT38-A002	OCDF	39001-02-0	3 7	PG/G	BJ	JB	107		0

123

02E0001-011 001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-011	BU38-0010	CORROSIVITY FOR LIQUID WASTE	261.22-A-1	8 4	S U		1			
02E0001-011 001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-011	BU38-0010	CORROSIVITY FOR LIQUID WASTE	261.22-A 1	8 4	S U		V1			
02E0001-012 001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-012	BU38-0012	CORROSIVITY FOR LIQUID WASTE	261.22 A 1	8 8	S U		V1			
02E0001-013 001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-013	BU38-0013	CORROSIVITY FOR LIQUID WASTE	261.22-A-1	8 8	S U		V1			
02E0001-014 001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-014	BU38-0014	CORROSIVITY FOR LIQUID WASTE	261.22-A 1	8 7	S U					
02E0001-015 001	Soil	MIS-A-004	SW9040B CHAPTER 7	02E0001-015	BU38-0015	CORROSIVITY FOR LIQUID WASTE	261.22-A 1	8 8	S U		V1			
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	RA-226	10031 23-9	2 05	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	RA-226	10031-23-9	2 05	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	K-40	13966-0-2	13 1	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	K-40	13966-0-2	13 1	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	CS-137	13967 70-9	0	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	CS-137	13967 70-9	0	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PO-210	13981 52 7	0	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PO-210	13981 52 7	0	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	TH-230	14269-63-7	0	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	TH-230	14269-63-7	0	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	AM-241	14596-10 2	0	pCi/g					4
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	AM-241	14596-10-2	0	pCi/g				0	4
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	BI-214	14733-03-0	0 525	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	BI-214	14733-03-0	0 525	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	BI-212	14913-49-6	0 866	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	BI-212	14913-49-6	0 866	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	TL 208	14913-50-9	0 378	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	TL-208	14913-50-9	0 378	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	Th-231	14932-40-2	0	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	Th-231	14932-40-2	0	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PB-214	15067-28-4	0 528	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PB-214	15067 28-4	0 528	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PB-212	15092 94 1	1 02	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PB-212	15092 94-1	1 02	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PA-234	15100-28-4	0	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PA-234	15100-28-4	0	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PA-234M	15100-28-4m	0	pCi/g					
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	PA-234M	15100-28-4m	0	pCi/g				0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	U-235	15117 96-1	0	pCi/g					1
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	U-235	15117 96-1	0	pCi/g				0	1

124

02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	AC-228	7440-34-8	1 1	pCi/g						
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	AC-228	7440-34-8	1 1	pCi/g					0	
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	U238/234	7440-61 1	1 66	pCi/g						8
02E0022-007 002	Soil	URS10B19	HPGe	02E0022-007	BU38-0002	U238/234	7440-61 1	1 66	pCi/g					0	8

125

886			800-4		Soil				02E0096-016 002	Gamma Spec in Water	URS10B18
CI38-0001			800-4		Soil				02E0098-001 002	Total Metals by ICP	MET-A-023
CI38-0002			800-4		Soil				02E0096-002 002	Total Metals by ICP	MET-A-023
CI38-0002			800-4		Soil				02E0096-001 002	Total Metals by ICP	MET-A-023
CI38-0006			800-4		Soil				02E0096-004 002	Total Metals by ICP	MET-A-023
CI38-0006			800-4		Soil				02E0096-005 002	Total Metals by ICP	MET-A-023
CI38-0006			800-4		Soil				02E0096-005 004	Isotopic Am, Pu, U	ASP-A-004
CI38-0006			800-4		Soil				02E0096-004 004	Isotopic Am, Pu, U	ASP-A-004
CI38-0006			800-4		Soil				02E0096-003 002	Total Metals by ICP	MET-A-023
CI38-0008			800-4		Soil				02E0098-013 003	Total Metals by ICP	MET-A-023
CI38-0008			800-4		Soil				02E0098-012 002	Total Metals by ICP	MET-A-023
CI38-0011			800-4		Soil				02E0096-007 002	Total Metals by ICP	MET-A-023
CI38-0011			800-4		Soil				02E0096-006 002	Total Metals by ICP	MET-A-023
CI38-0012			800-4		Soil				02E0098-022 003	Total Metals by ICP	MET-A-023
CI38-0012			800-4		Soil				02E0098-023 003	Total Metals by ICP	MET-A-023
CI38-0012			800-4		Soil				02E0098-021 002	Total Metals by ICP	MET-A-023
CI38-0013			800-4		Soil				02E0098-018 003	Total Metals by ICP	MET-A-023
CI38-0013			800-4		Soil				02E0098-017 002	Total Metals by ICP	MET-A-023
CI38-0015			800-4		Soil				02E0096-013 002	Total Metals by ICP	MET-A-023
CI38-0015			800-4		Soil				02E0096-012 002	Total Metals by ICP	MET-A-023
CI38-0016			800-4		Soil				02E0096-009 002	Total Metals by ICP	MET-A-023
CI38-0016			800-4		Soil				02E0096-008 002	Total Metals by ICP	MET-A-023
CI38-0017			800-4		Soil				02E0098-020 003	Total Metals by ICP	MET-A-023
CI38-0017			800-4		Soil				02E0098-019- 002	Total Metals by ICP	MET-A-023
CI38-0019			800-4		Soil				02E0099-002 004	Isotopic Am, Pu, U	ASP-A-004
CI38-0020			800-4		Soil				02E0096-015 002	Total Metals by ICP	MET-A-023
CI38-0020			800-4		Soil				02E0096-014 002	Total Metals by ICP	MET-A-023
CI38-0046			800-4		Soil				02E0080-005 001	Gamma Spectroscopy on Solids	URS10B19
CI38-H032			886	Grab	Soil	2	2 5	Below concrete floor	02E0020-002 004	Nitrite by Ion Chromatography	MIS-A-026
CI38-H032			886	Grab	Soil	2	2 5	Below concrete floor	02E0020-002 004	Nitrite by Ion Chromatography	MIS-A-026
CI39-0001			800-4		Soil				02E0083-002 004	Isotopic Am, Pu, U	ASP-A-004
CI39-0001			800-4		Soil				02E0083-009 004	Isotopic Am, Pu, U	ASP-A-004
CI39-0005			800-4		Soil				02E0096-011 002	Total Metals by ICP	MET-A-023
CI39-0005			800-4		Soil				002E0096-010 001	Gamma Spectroscopy on Solids	URS10B19
CI39-0005			800-4		Soil				02E0096-010 002	Total Metals by ICP	MET-A-023
SW Corner of			800-4		Water				02E0084-001 001	Volatile Organics in Aqueous Samples	VOA-A-009
SW Corner of			800-4		Water				02E0084-001 003	Volatile Organics in Aqueous Samples	VOA-A-009
SW Corner o			800-4		Water				02E0084-002 001	Volatile Organics in Aqueous Samples	VOA-A-009
SW Corner o			800-4		Water				02E0084-002 003	Volatile Organics in Aqueous Samples	VOA-A-009
828 Pit			800-4		Water Quality				02E0079-005 002	Gamma Spectroscopy on Solids	URS10B19
828 PIT			800-4		Water Quality				02E0079-005 006	Semivolatile Organics in Water	SVO-A-005
828 PIT			800-4		Water Quality				02E0079-005 003	Volatile Organics in Aqueous Samples	VOA-A-009
828 PIT			800-4		Water Quality				02E0079-006 001	Volatile Organics in Aqueous Samples	VOA-A-009
828 PIT			800-4		Water Quality				02E0079-007 001	Volatile Organics in Aqueous Samples	VOA-A-009

126

828 Pit			800-4		Water Quality				02E0079-005 010	Alpha Spec in Water	ASP-A-002
828 Pit			800-4		Water Quality				02E0079-005 011	Alpha Spec in Water	ASP-A-002
828 Pit			800-4		Water Quality				02E0079-005 012	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E008-006 001	Gamma Spectroscopy on Solids	URS10B19
886			800-4		Water Quality				02E0080-006 002	Gamma Spectroscopy on Solids	URS10B19
886			800-4		Water Quality				02E0080-006 006	Semivolatile Organics in Water	SVO-A-005
886			800-4		Water Quality				02E0080-007 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0080-006 004	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0080-008 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0080-006 010	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0080-006 011	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0080-006 012	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0102-009 003	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0102-009 002	Gamma Spec in Water	URS10B18
886			800-4		Water Quality				02E0102-009 006	Semivolatile Organics in Water	SVO-A-005
886			800-4		Water Quality				02E0102-010 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0102-011 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0098-014 003	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0098-014 002	Gamma Spec in Water	URS10B18
886			800-4		Water Quality				02E0098-014 005	Total Metals by ICP in Water	MET-A-019
886			800-4		Water Quality				02E0098-014 006	Semivolatile Organics in Water	SVO-A-005
886			800-4		Water Quality				02E0098-015 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0098-016 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0096-016 005	Total Metals by ICP in Water	MET-A-019
886			800-4		Water Quality				02E0096-016 003	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0096-019 001	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0096-019 002	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0096-019 003	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0096-019 004	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0096-017 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0096-018 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0083-010 011	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0083-010 010	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0083-010 009	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0083-010 008	Alpha Spec in Water	ASP-A-002
886			800-4		Water Quality				02E0083-010 002	Gamma Spec in Water	URS10B18
886			800-4		Water Quality				02E0083-012 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0083-011 001	Volatile Organics in Aqueous Samples	VOA-A-009
886			800-4		Water Quality				02E0083-010 006	Semivolatile Organics in Water	SVO-A-005
886			800-4		Water Quality				02E0083-010 003	Volatile Organics in Aqueous Samples	VOA-A-009
889			800-4		Water Quality				02E0084-005 001	Volatile Organics in Aqueous Samples	VOA-A-009
889			800-4		Water Quality				02E0084-003 005	Gross Alpha/Beta	OS01A004
889			800-4		Water Quality				02E0084-003 005	Rad Screen - Aqueous	OS01A002
889			800-4		Water Quality				02E0084-003 001	Volatile Organics in Aqueous Samples	VOA-A-009

127

889			800-4		Water Quality				02E0084-003 003	Volatile Organics in Aqueous Samples	VOA-A-009
SOIL PILE			800-4		Water Quality				02E0082-005 002	Gamma Spec in Water	URS10B18
SOUTHWEST			800-4		Water Quality				02E0084-001 005	Gross Alpha/Beta	OS01A004
SOUTHWEST			800-4		Water Quality				02E0084-001 005	Rad Screen - Aqueous	OS01A002
SW CORNER			800-4		Water Quality				02E0084-002 005	Gross Alpha/Beta	OS01A004
SW CORNER			800-4		Water Quality				02E0084-002 005	Rad Screen - Aqueous	OS01A002

128

APPENDIX C
CORRESPONDENCE

129/129

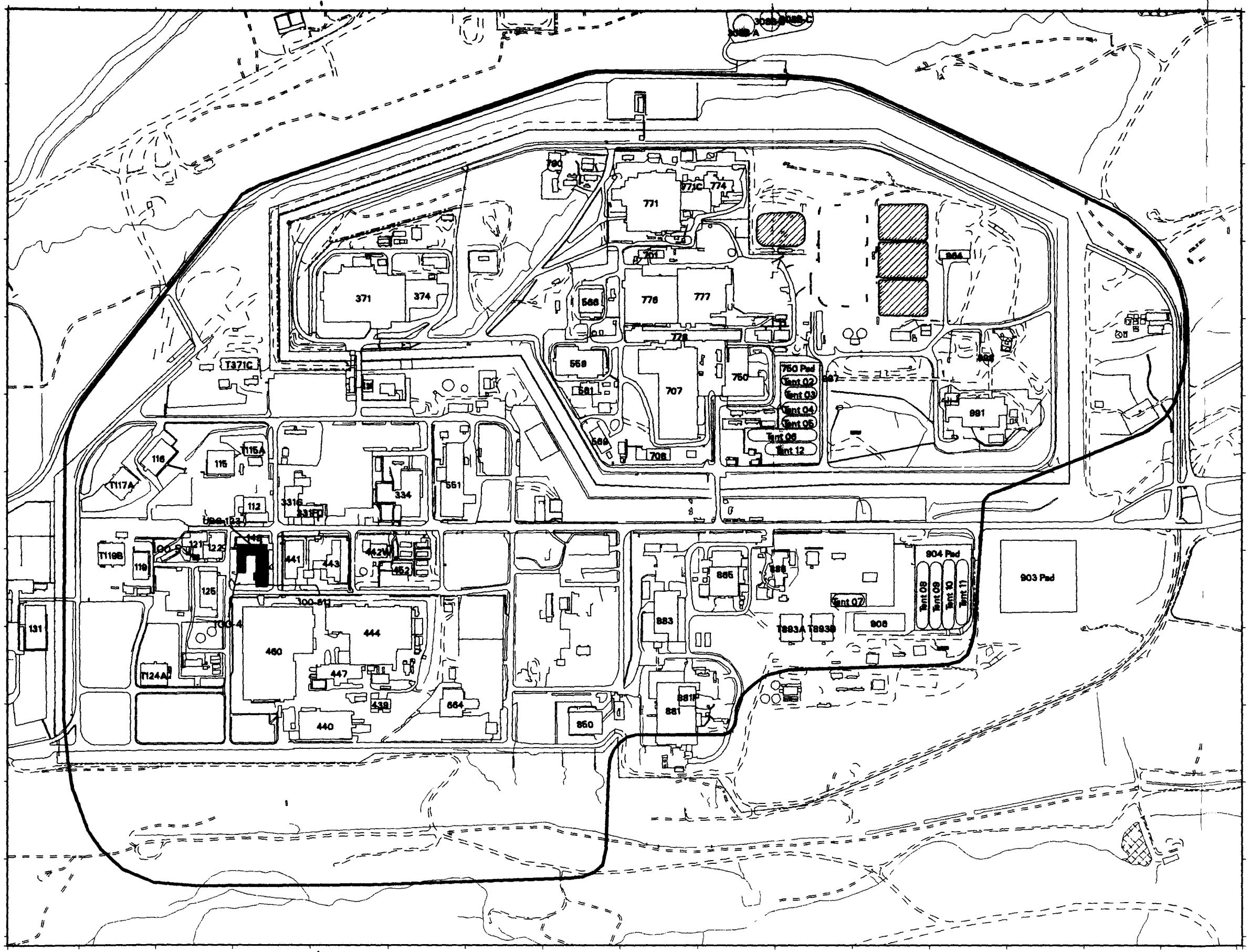


Figure 1

IA Groups Location Map

EXPLANATION

IHSS Groupings

- 100 4
- 100 5

Standard Map Features

- Building and other structures
- Solar Evaporation Pond (SEPs)
- Lakes and ponds
- Streams, ditches or other drainage features
- Fences and other barriers
- Paved roads
- Dirt road
- Industrial Area Operable Unit Boundary

DATA SOURCE BASE FEATURES:
PACs
Historical Release Report (HRR)
2nd Annual Update
Sept 30, 199
Individual Hazardous Substance Sites (IHSS)
DOE 1992, HRR Report and Subsequent Updates.
Buildings, fences, hydrography, roads and other structures from 1994 aerial fly-over data captured by EG&G RSL, Las Vegas.
Digitized from the orthophotographs. 1/95

Scale 1 6240
1 nch pr e t 520 feet

00 0 400 800

Stat Plane Co dinat Pr j t
Colo ado Ca t al Z
Dat m NAD27

U S Department of Energy
Rocky Flats Environmental Technology Site

IS Dept. 303-966-7707

Prepared by
DynCorp

Prepared fo
KAISER HILL

MAP ID 02-0121

January 07, 2002

NT S /p j /fy2 02/02 1217 00 4 5 b fig m1

12

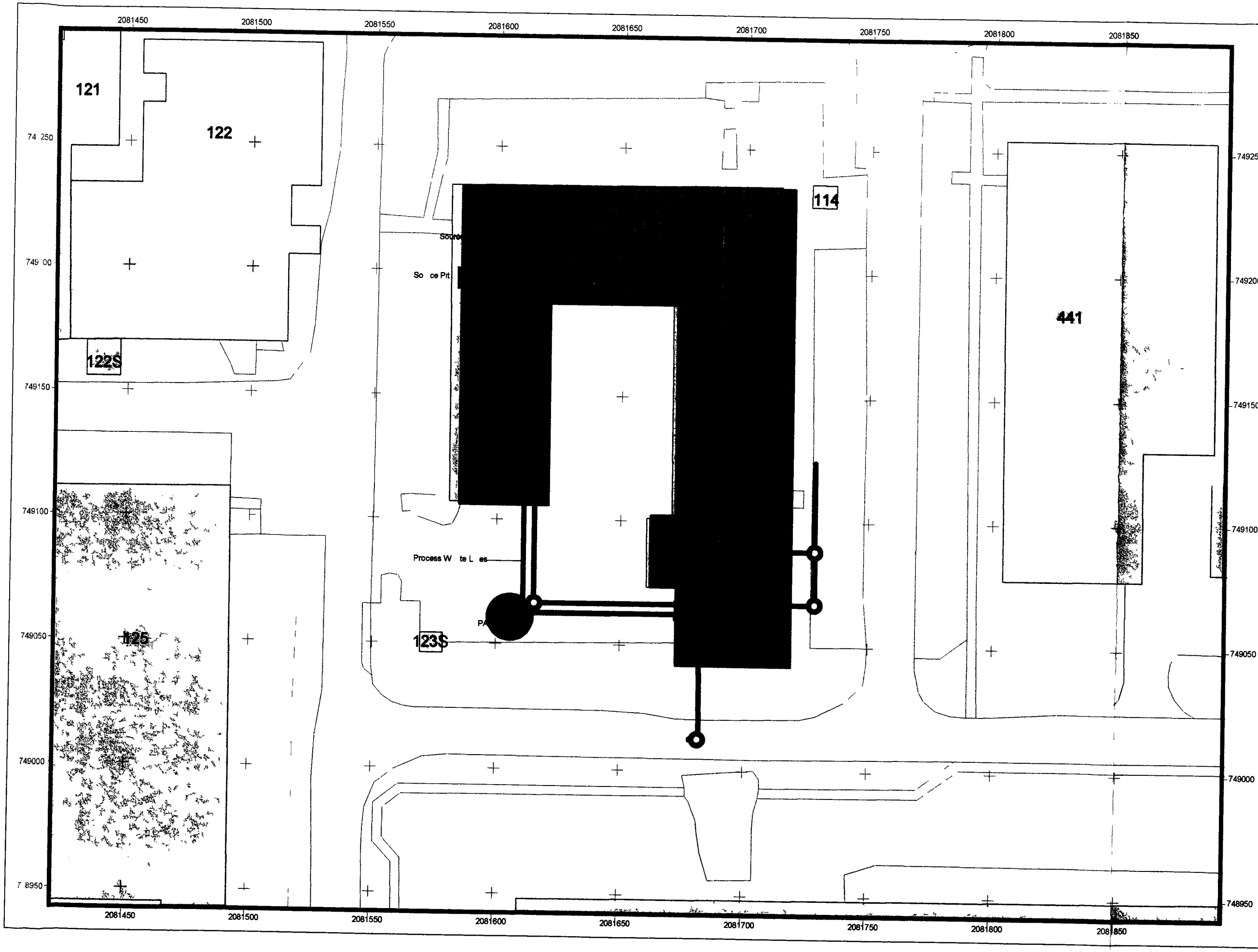


Figure 2
IHSS Group 100 4

KEY

- FY 2002 IHSS locations
- FY 2002 PAC locations
- FY 2002 UBC locations
- Buildings and other structures
- Process Waste Line
- Paved areas
- Dirt roads
- Streams ditches or other drainage features

N

Scale =1 500

20 0 20 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental Technology Site

Prepared by

KAISER HILL
COMP NY

123pwlsandconfi matio J ne 2002

13

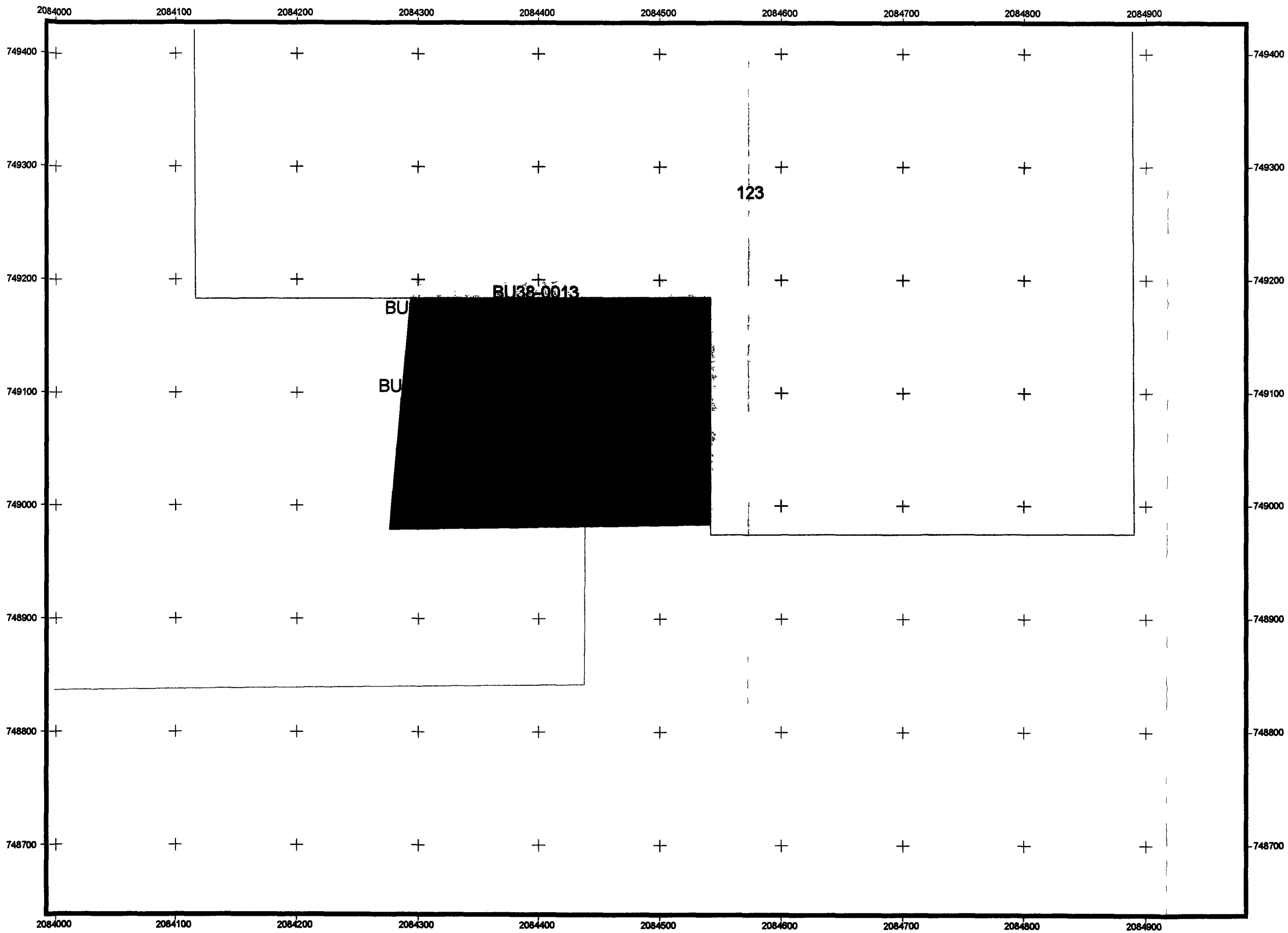


Figure 5
Characterization Sampling Locations and Results at PAC 100-611

Key

- Sampling L cations
- 100-611
- Buildings nd other structures
- Paved ar s
- Dirt roads
- Drainag Features

pH Results
Reported in Standard Units

N

Scale 1 100

2 0 2 4 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental
Technology Site

Prepared By:

KAISER•HILL COMPANY

July 2002

20

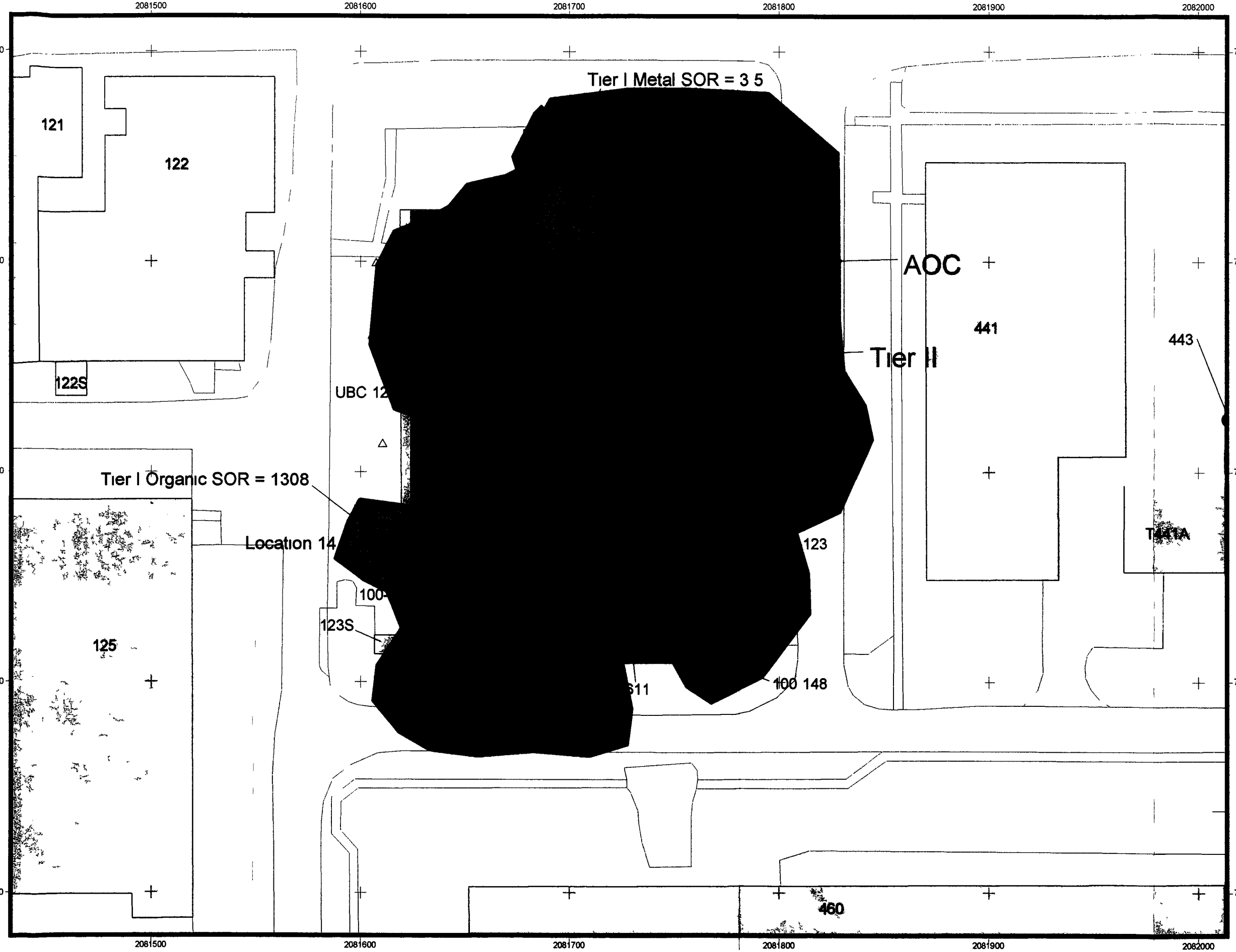


Figure 6
IHSS Group 100-4
Area of Concern

KEY

- Area of Concern
- Tier II
- Tier I
- Buildings and other structures
- Paved areas
- Dirt roads
- Streams ditches or other drainage features

N

Scale = 1 550

30 0 30 60 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental Technology Si

Prepared by

KAISER•HILL COMPANY

123closeoutaoc apr June 2002

22

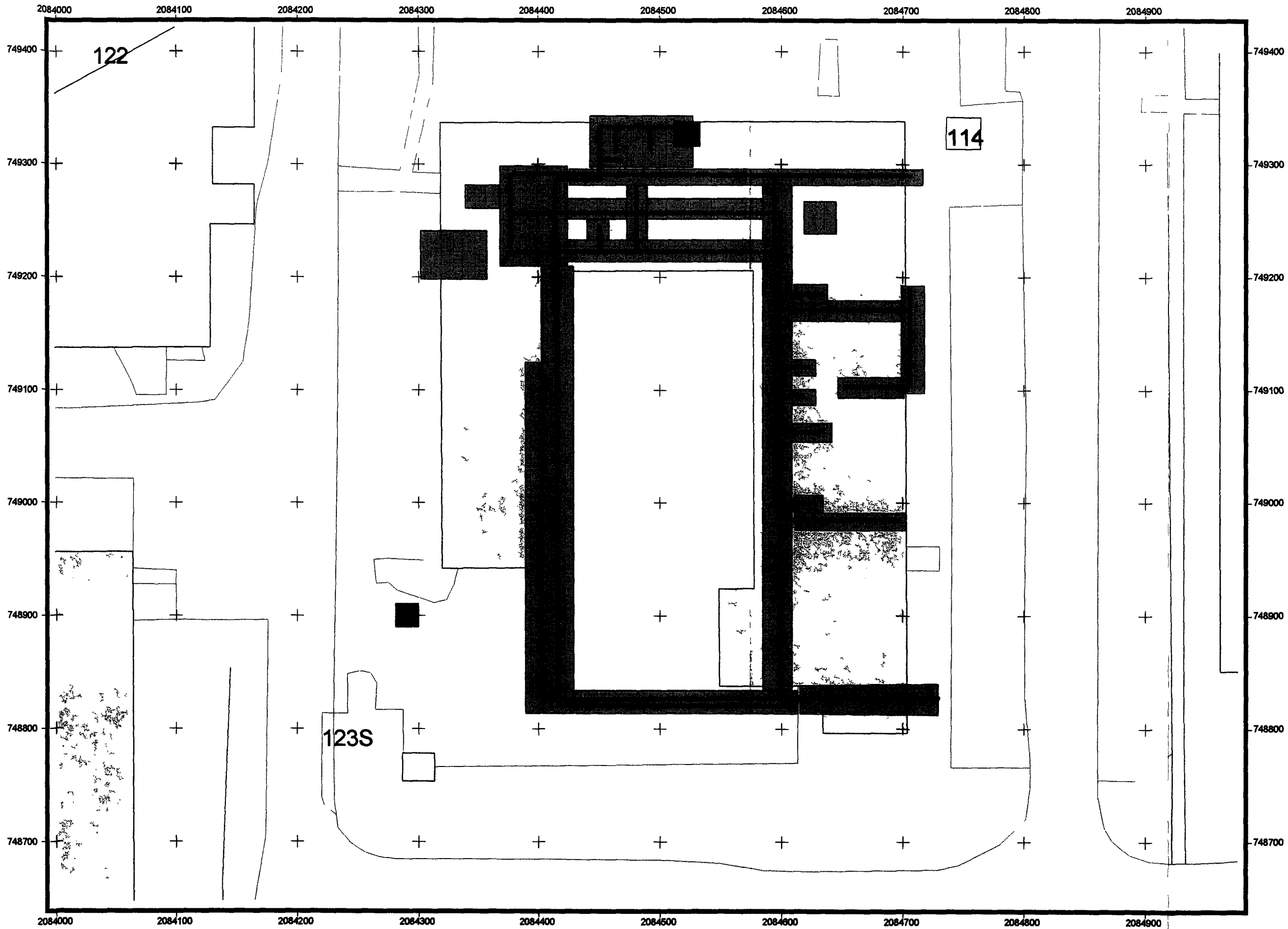


Figure 7
OPWL and NPWL Removed

Key

- Process Waste Lines
- Lead/SVOC Excavations
- Process Line Excavations
- Paved areas
- Dirt roads
- Drainage Features
- Buildings and other structures

N

Scale 1 500

10 0 10 20 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental
Technology Site

Prepared By

KAISER•HILL COMPANY

July 2002

25

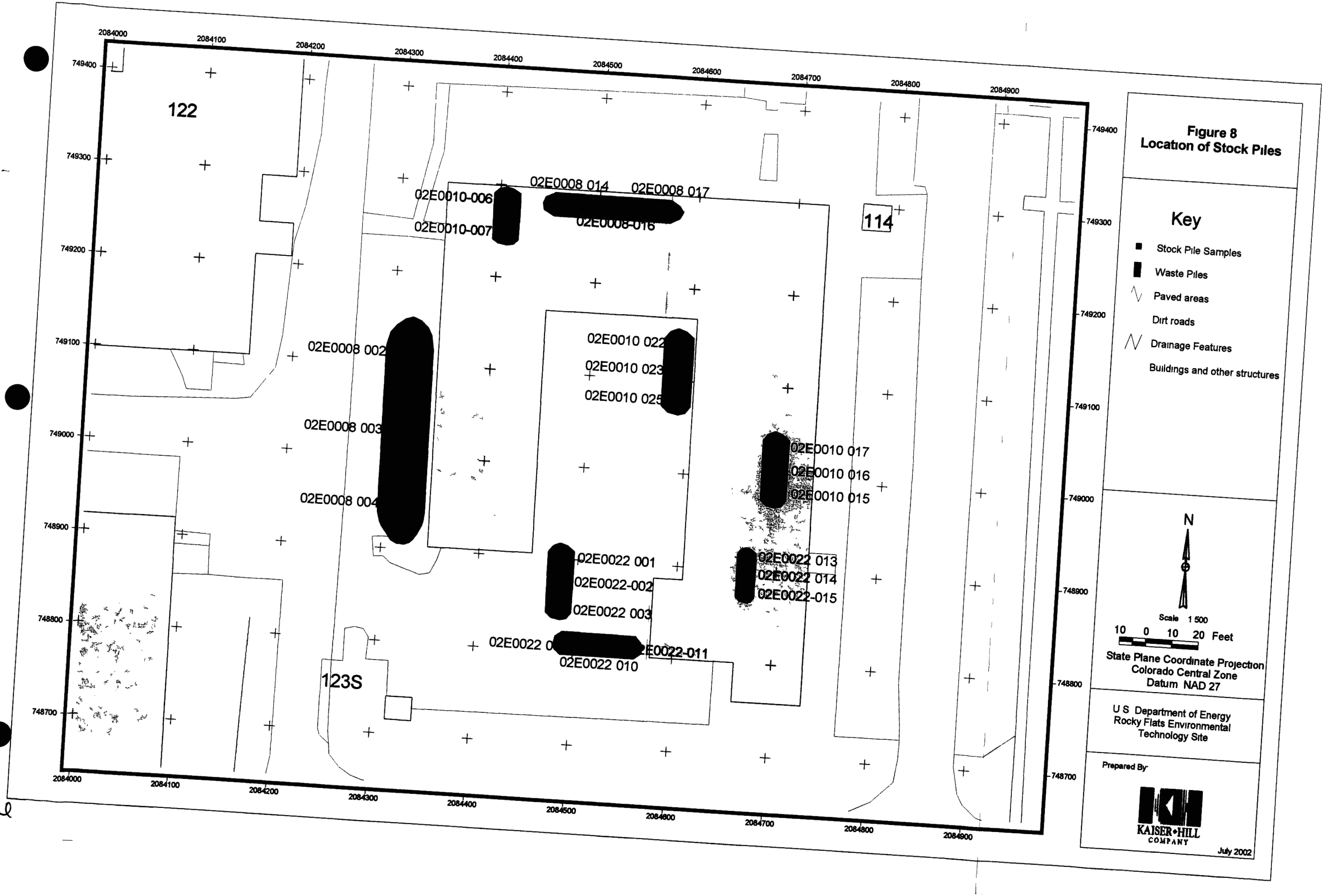


Figure 8
Location of Stock Piles
Key
Stock Pile Samples
Waste Piles
Paved areas
Dirt roads
Drainage Features
Buildings and other structures
N
Scale 1 500
10 0 10 20 Feet
State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27
U S Department of Energy
Rocky Flats Environmental
Technology Site
Prepared By
KAISER•HILL
COMPANY
July 2002
122
114
123S
02E0010-006
02E0010-007
02E0008 014
02E0008 017
02E0008-016
02E0008 002
02E0008 003
02E0008 004
02E0010 022
02E0010 023
02E0010 025
02E0010 017
02E0010 016
02E0010 015
02E0022 001
02E0022-002
02E0022 003
02E0022 010
02E0022-011
02E0022 013
02E0022 014
02E0022-015
2084000
2084100
2084200
2084300
2084400
2084500
2084600
2084700
2084800
2084900
749400
749300
749200
749100
749000
748900
748800
748700

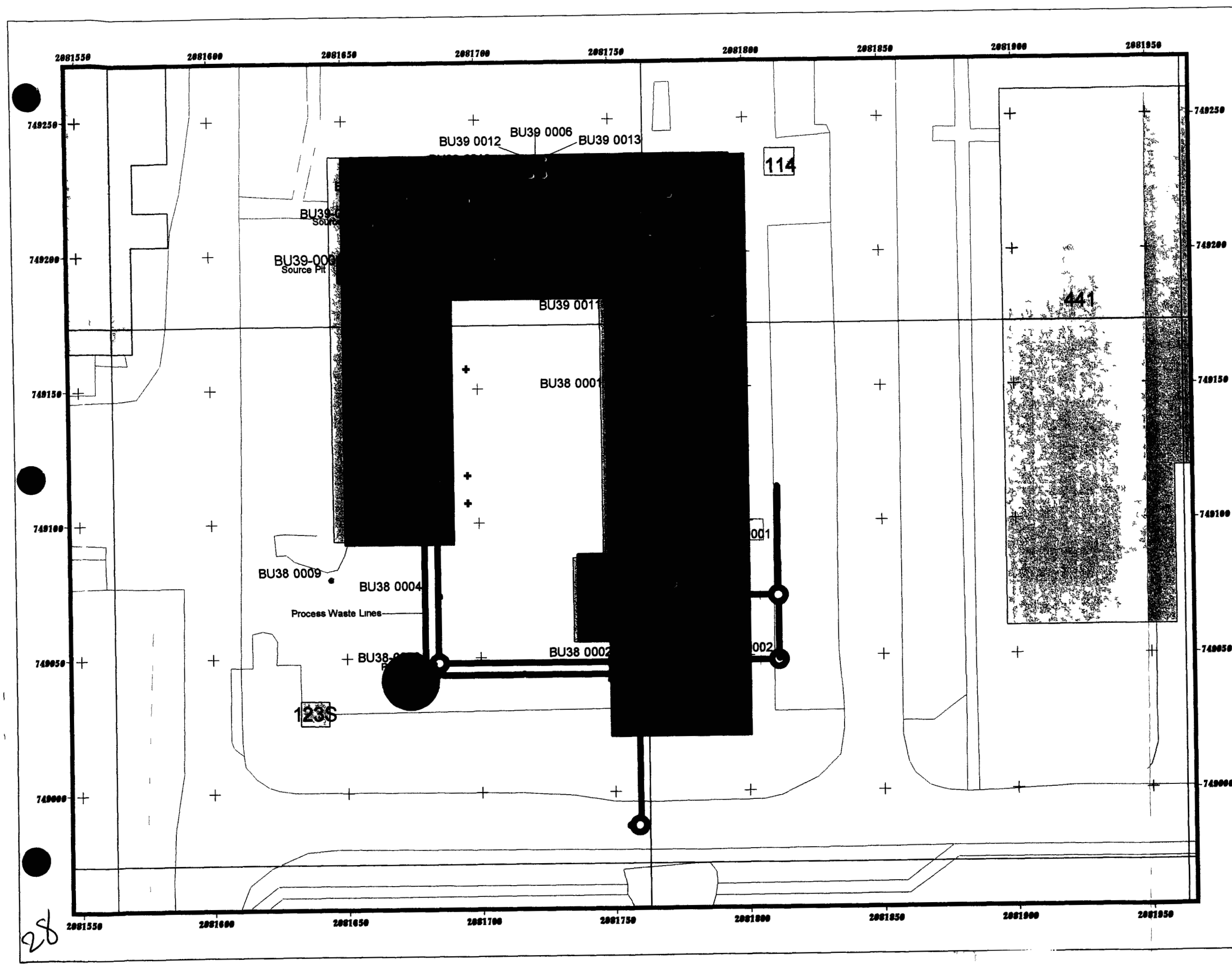


Figure 9
IHSS Group 100-4
Planned Confirmation Samples

KEY

- Process Waste Lines
- Potential Air Sampler Location
- Confirmation Sampling Location
- HPGe Sampling Location
- Manhole location
- FY 2002 IHSS locations
- FY 2002 PAC locations
- FY 2002 UBC locations
- Buildings and other structures
- Paved areas
- Dirt roads
- Streams ditches or other drainage features

N

Scale 1 400

25 25 50 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental Technology Site

Prepared by

KAISER HILL COMPANY

confirmation2aps apr January 2002

28

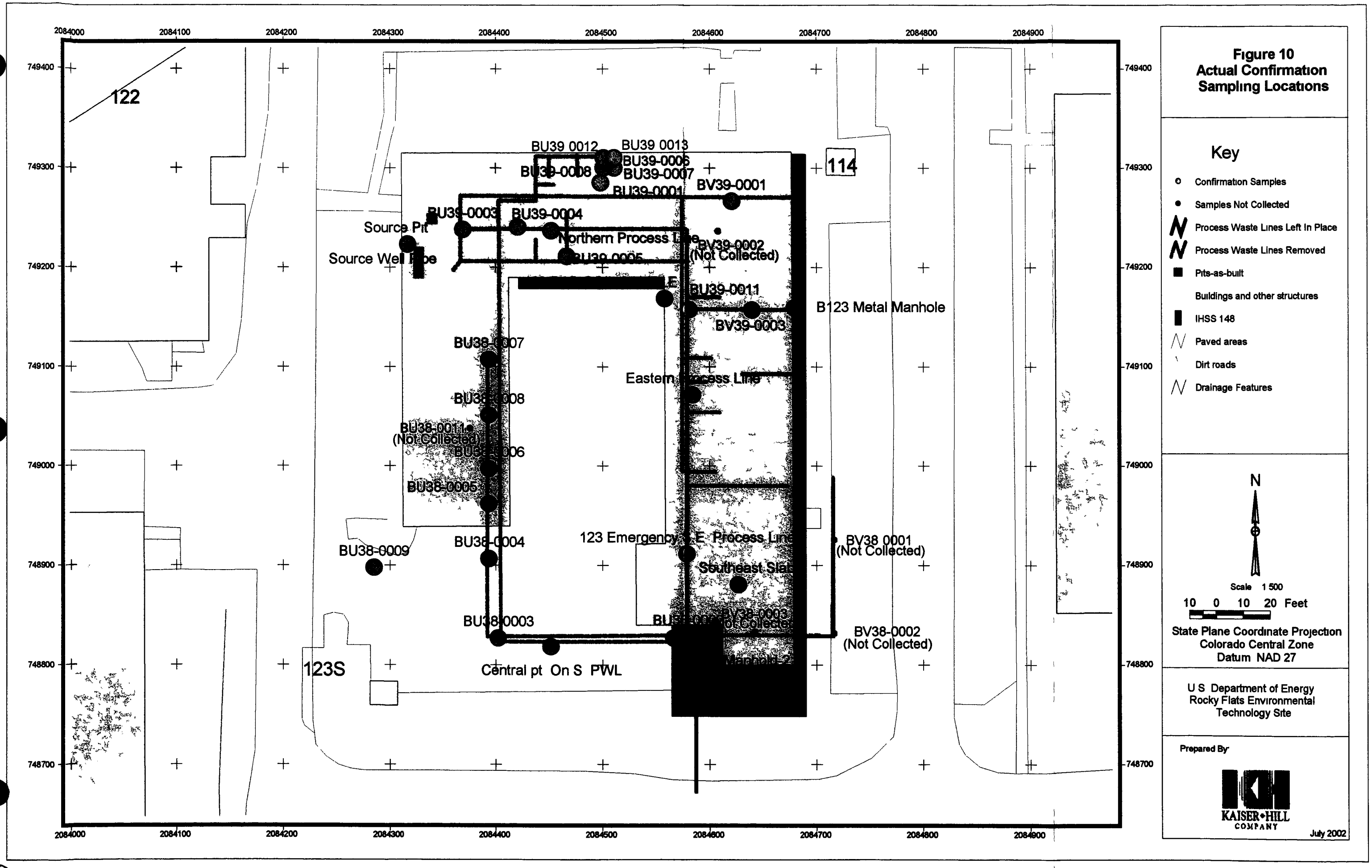
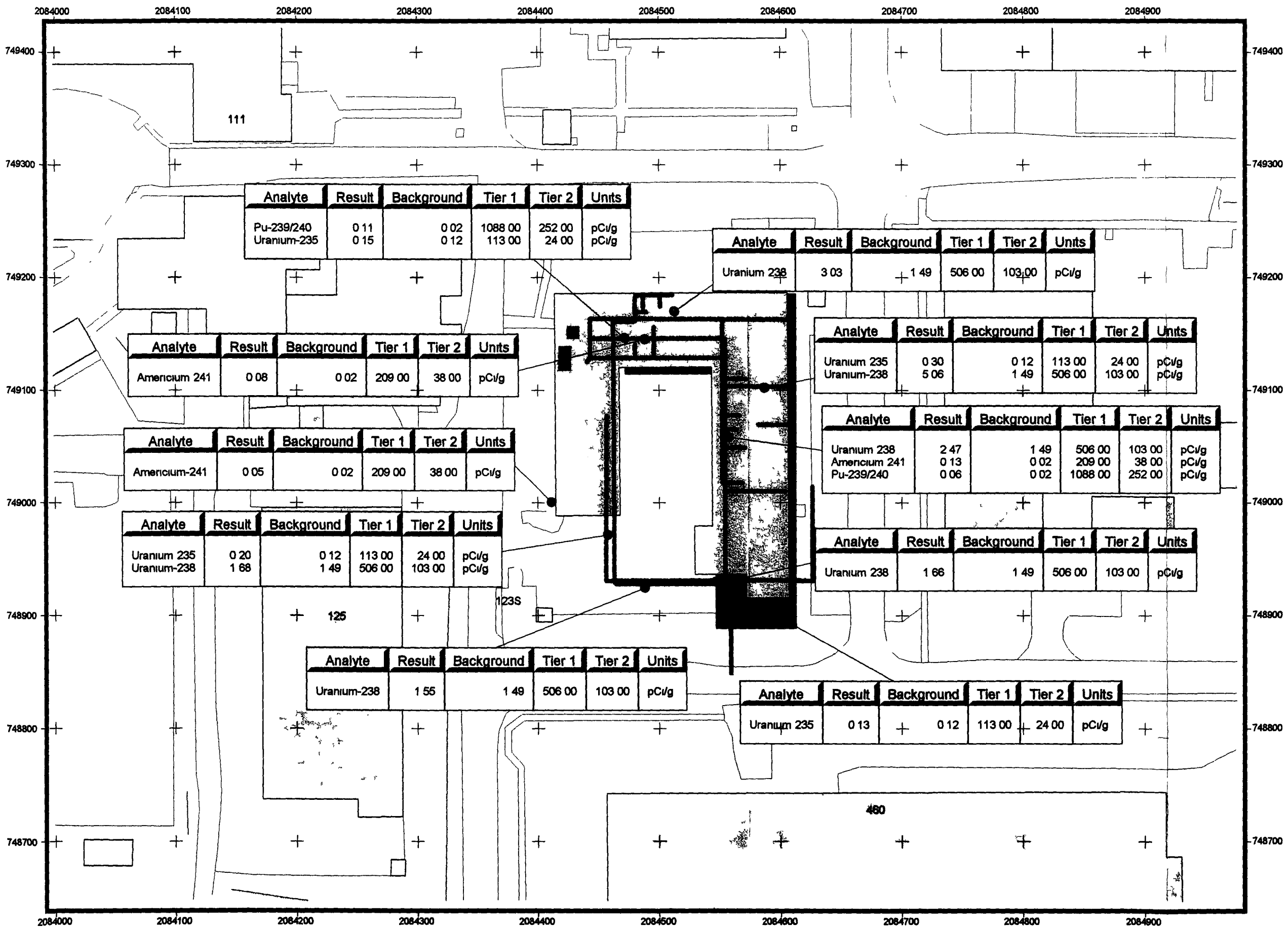


Figure 10
Actual Confirmation
Sampling Locations
Key
Confirmation Samples
Samples Not Collected
Process Waste Lines Left In Place
Process Waste Lines Removed
Pits-as-built
Buildings and other structures
IHSS 148
Paved areas
Dirt roads
Drainage Features
N
Scale 1 500
10 0 10 20 Feet
State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27
U S Department of Energy
Rocky Flats Environmental
Technology Site
Prepared By
KAISER•HILL
COMPANY
July 2002
122
114
123S
BU39 0012
BU39 0013
BU39-0006
BU39-0008
BU39-0007
BU39-0001
BV39-0001
BU39-0003
BU39-0004
Source Pit
Source Well Pipe
Northern Process Line
BU39-0005
BV39-0002
(Not Collected)
BU39-0011
B123 Metal Manhole
BV39-0003
BU38-0007
Eastern Process Line
BU38-0008
BU38-0011
(Not Collected)
BU38-0006
BU38-0005
BU38-0009
BU38-0004
123 Emergency E Process Line
BV38 0001
(Not Collected)
Southeast Slab
BU38-0003
BV38-0002
(Not Collected)
Central pt On S PWL
2084000
2084100
2084200
2084300
2084400
2084500
2084600
2084700
2084800
2084900
749400
749300
749200
749100
749000
748900
748800
748700

30



Analyte	Result	Background	Tier 1	Tier 2	Units
Pu-239/240	0 11	0 02	1088 00	252 00	pCi/g
Uranium-235	0 15	0 12	113 00	24 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Uranium 238	3 03	1 49	506 00	103 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Americium 241	0 08	0 02	209 00	38 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Uranium 235	0 30	0 12	113 00	24 00	pCi/g
Uranium-238	5 06	1 49	506 00	103 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Uranium 238	2 47	1 49	506 00	103 00	pCi/g
Americium 241	0 13	0 02	209 00	38 00	pCi/g
Pu-239/240	0 06	0 02	1088 00	252 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Americium-241	0 05	0 02	209 00	38 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Uranium 235	0 20	0 12	113 00	24 00	pCi/g
Uranium-238	1 68	1 49	506 00	103 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Uranium 238	1 66	1 49	506 00	103 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Uranium-238	1 55	1 49	506 00	103 00	pCi/g

Analyte	Result	Background	Tier 1	Tier 2	Units
Uranium 235	0 13	0 12	113 00	24 00	pCi/g

Figure 11
Confirmation Sampling Results Greater Than Background Plus Two Standrd Deviations or Method Detection Limits

Key

- Process Waste Lines Left In Place
- Confirmation Samples
- Process Waste Lines Removed
- Pits-as-built
- Buildings and other structures
- IHSS 148
- Paved areas
- Dirt roads
- Drainage Features

N

Scale 1 700

30 0 30 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental
Technology Site

Prepared By

KAISER•HILL COMPANY

July 2002

34

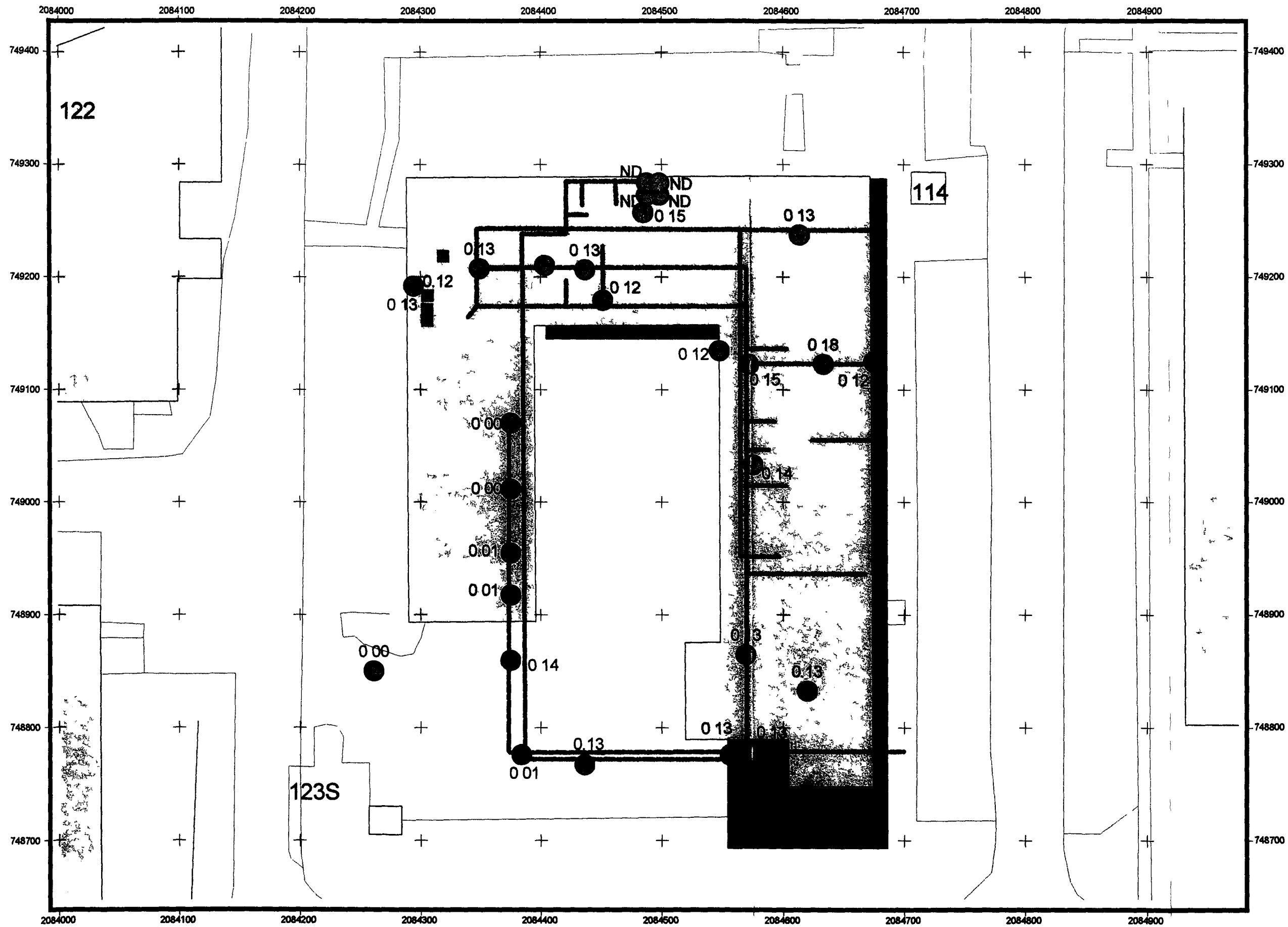


Figure 12
RFCA Tier II Radionuclide Sum of Ratios

Key

- Confirmation Samples
- Process Waste Lines
- Buildings and other structures
- IHSS 148
- Paved areas
- Dirt roads
- Drainage Features

ND No Data

N

Scale 1 500

10 0 10 20 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental
Technology Site

Prepared By

KAISER•HILL COMPANY

July 2002

35

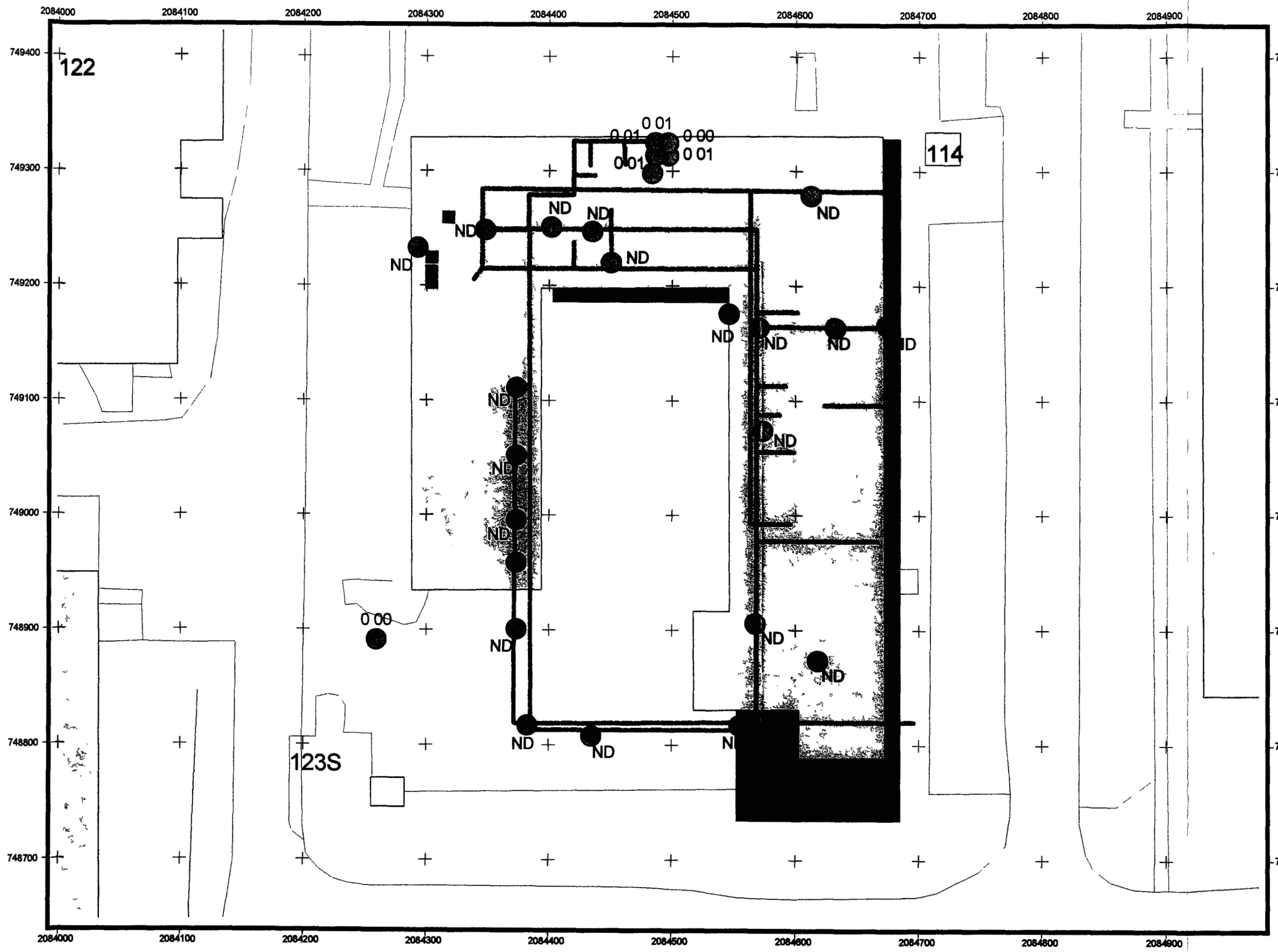


Figure 13
RFCA Tier II Nonradionuclide Sum of Ratios

Key

- Confirmation Samples
- Process Waste Lines
- Buildings and other structures
- IHSS 148
- Paved areas
- Dirt roads
- Drainage Features

ND No Data

N

Scale 1 500

10 0 10 20 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

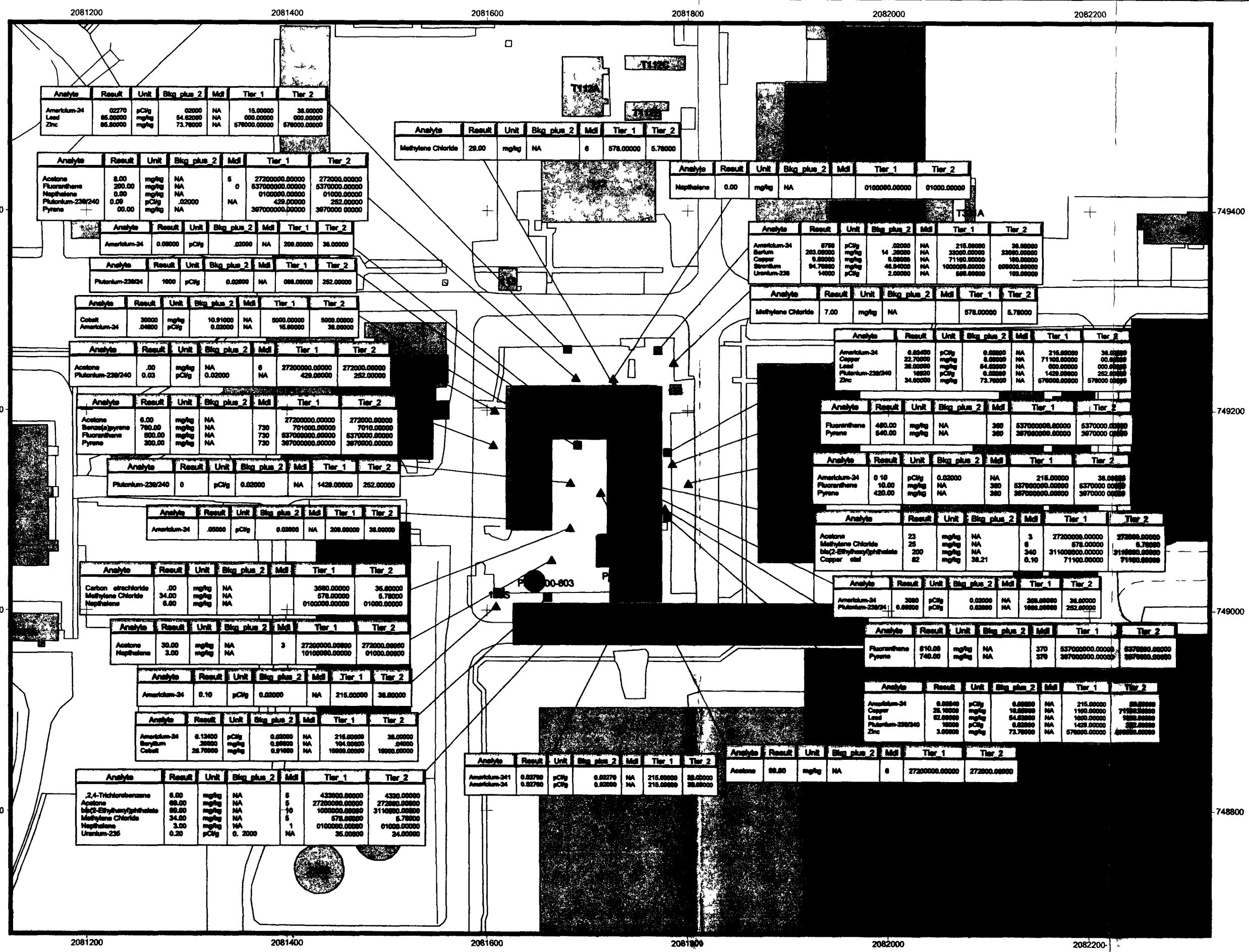
U S Department of Energy
Rocky Flats Environmental
Technology Site

Prepared By:

KAISER•HILL COMPANY

July 2002

36



Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	02270	pCi/g	02000	NA	15.00000	38.00000
Lead	85.00000	mg/kg	54.62000	NA	000.00000	000.00000
Zinc	85.80000	mg/kg	73.76000	NA	576000.00000	576000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Acetone	8.00	mg/kg	NA	5	27200000.00000	272000.00000
Fluoranthene	200.00	mg/kg	NA	0	5370000.00000	5370000.00000
Napthalene	0.00	mg/kg	NA		0100000.00000	01000.00000
Plutonium-239/240	0.09	pCi/g	.02000	NA	429.00000	252.00000
Pyrene	00.00	mg/kg	NA		3970000.00000	3970000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	0.08000	pCi/g	.02000	NA	209.00000	38.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Plutonium-238/24	1000	pCi/g	0.02000	NA	088.00000	252.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Cobalt	30000	mg/kg	10.91000	NA	5000.00000	5000.00000
Americium-24	.04800	pCi/g	0.02000	NA	15.00000	38.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Acetone	.00	mg/kg	NA	6	27200000.00000	272000.00000
Plutonium-239/240	0.03	pCi/g	0.02000	NA	429.00000	252.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Acetone	6.00	mg/kg	NA		27200000.00000	272000.00000
Benzo(a)pyrene	760.00	mg/kg	NA	730	701000.00000	7010.00000
Fluoranthene	600.00	mg/kg	NA	730	5370000.00000	5370000.00000
Pyrene	300.00	mg/kg	NA	730	3970000.00000	3970000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Plutonium-239/240	0	pCi/g	0.02000	NA	1429.00000	252.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	.05000	pCi/g	0.02000	NA	209.00000	38.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Carbon etrachloride	.00	mg/kg	NA		3580.00000	35.80000
Methylene Chloride	34.00	mg/kg	NA		578.00000	5.78000
Napthalene	6.00	mg/kg	NA		0100000.00000	01000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Acetone	30.00	mg/kg	NA	3	27200000.00000	272000.00000
Napthalene	3.00	mg/kg	NA		10100000.00000	01000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	0.10	pCi/g	0.02000	NA	215.00000	38.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	0.12400	pCi/g	0.02000	NA	215.00000	38.00000
Beryllium	.20000	mg/kg	0.20000	NA	104.00000	.04000
Cobalt	28.70000	mg/kg	0.91000	NA	10000.00000	10000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
,2,4-Trichlorobenzene	6.00	mg/kg	NA	5	433000.00000	4330.00000
Acetone	68.00	mg/kg	NA	5	27200000.00000	272000.00000
bis(2-Ethylhexyl)phthalate	80.00	mg/kg	NA	10	1000000.00000	3110000.00000
Methylene Chloride	34.00	mg/kg	NA	5	578.00000	5.78000
Napthalene	3.00	mg/kg	NA	1	0100000.00000	01000.00000
Uranium-235	0.20	pCi/g	0. 2000	NA	35.00000	34.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Methylene Chloride	29.00	mg/kg	NA	6	578.00000	5.78000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Napthalene	0.00	mg/kg	NA		0100000.00000	01000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	6798	pCi/g	.02000	NA	215.00000	38.00000
Barium	283.00000	mg/kg	14 .20000	NA	33000.00000	33000.00000
Copper	9.00000	mg/kg	6.00000	NA	71100.00000	100.00000
Strontium	94.70000	mg/kg	46.54000	NA	1000000.00000	000000.00000
Uranium-235	14000	pCi/g	2.00000	NA	500.00000	100.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Methylene Chloride	7.00	mg/kg	NA		578.00000	5.78000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	0.00400	pCi/g	0.02000	NA	215.00000	38.00000
Copper	22.70000	mg/kg	8.00000	NA	71100.00000	00.00000
Lead	28.00000	mg/kg	54.62000	NA	000.00000	000.00000
Plutonium-239/240	16000	pCi/g	0.02000	NA	1429.00000	252.00000
Zinc	34.00000	mg/kg	73.76000	NA	576000.00000	576000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Fluoranthene	480.00	mg/kg	NA	380	537000000.00000	5370000.00000
Pyrene	540.00	mg/kg	NA	380	397000000.00000	3970000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	0.10	pCi/g	0.02000	NA	215.00000	38.00000
Fluoranthene	10.00	mg/kg	NA	380	537000000.00000	5370000.00000
Pyrene	420.00	mg/kg	NA	380	397000000.00000	3970000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Acetone	23	mg/kg	NA	3	27200000.00000	272000.00000
Methylene Chloride	25	mg/kg	NA	6	578.00000	5.78000
bis(2-Ethylhexyl)phthalate	200	mg/kg	NA	340	3110000.00000	3110000.00000
Copper dial	62	mg/kg	38.21	0.10	71100.00000	71000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	3080	pCi/g	0.02000	NA	209.00000	38.00000
Plutonium-239/24	0.00000	pCi/g	0.02000	NA	1000.00000	252.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Fluoranthene	610.00	mg/kg	NA	370	537000000.00000	5370000.00000
Pyrene	740.00	mg/kg	NA	370	397000000.00000	3970000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-24	0.00540	pCi/g	0.02000	NA	215.00000	38.00000
Copper	25.10000	mg/kg	16.00000	NA	1100.00000	71100.00000
Lead	52.00000	mg/kg	54.62000	NA	1000.00000	1000.00000
Plutonium-239/240	16000	pCi/g	0.02000	NA	1429.00000	252.00000
Zinc	3.00000	mg/kg	73.76000	NA	576000.00000	576000.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Americium-241	0.02760	pCi/g	0.02270	NA	215.00000	38.00000
Americium-24	0.02760	pCi/g	0.02000	NA	215.00000	38.00000

Analyte	Result	Unit	Bkg_plus_2	Mdl	Tier_1	Tier_2
Acetone	98.00	mg/kg	NA	6	27200000.00000	272000.00000

Figure 16
Residual Contamination
IHSS Group 100-4

KEY

- IHSS
- UBC
- PAC
- Building
- Stream ditch or other drainage
- Paved area
- Fence
- Dirt road
- Pre-accelerated action surface soil sampling location
- Pre-accelerated action subsurface soil sampling location
- Confirmation subsurface soil sampling location

Note For organics mg/kg = ug/kg

N

Scale = 1 1 150

20 0 20 40 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental Technology Site

Prepared by

KAISER HILL COMPANY

res2.apr

June 2002

45

Figure 17
NPWL and OPWL Left In Place

Key

- PWLs Left in Place
- Buildings and other structures
- IHSS 148
- Paved areas
- Dirt roads
- Drainage Features

N

Scale = 1 500

10 0 10 20 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental
Technology Site

Prepared By:

KAISER•HILL COMPANY

July 2002

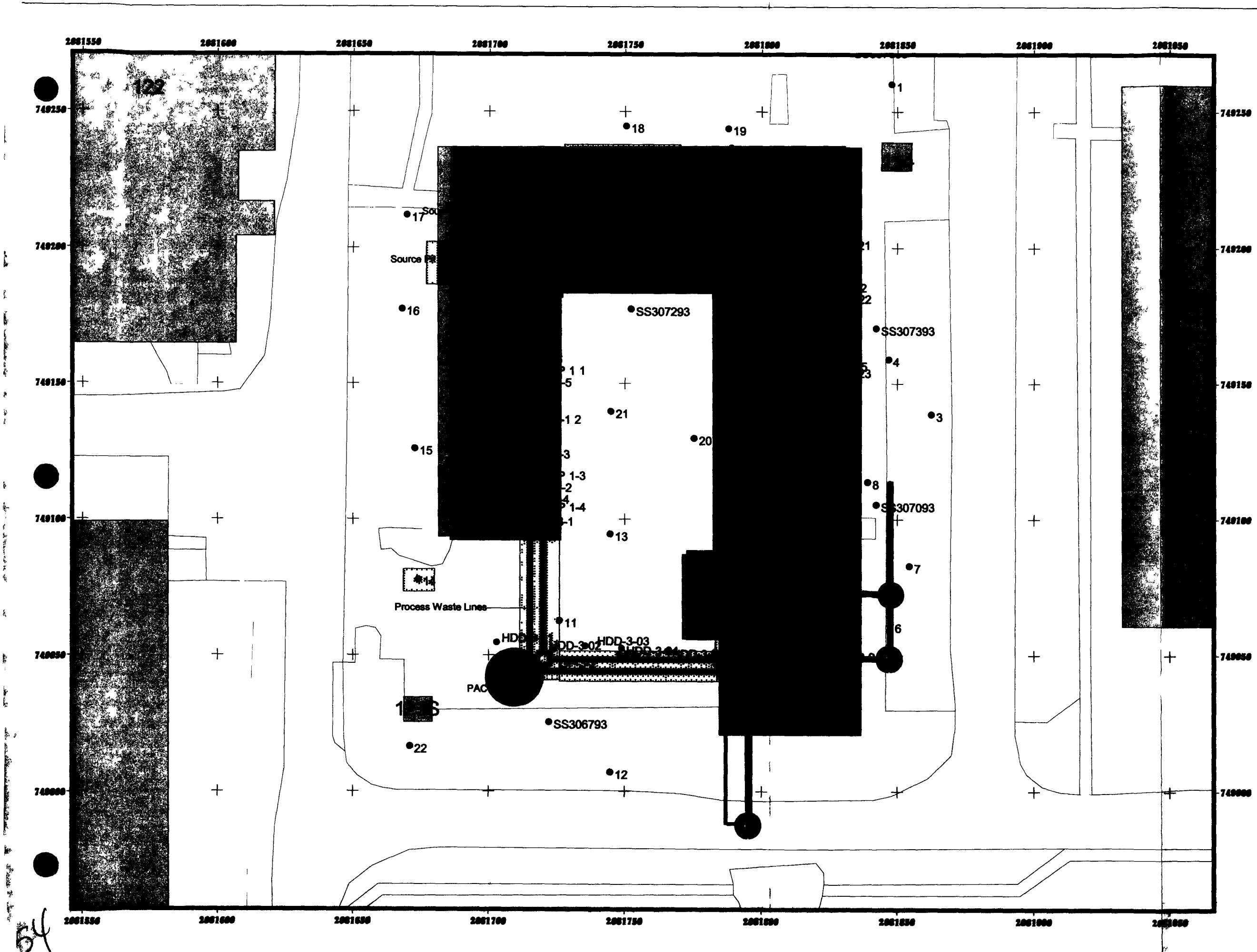


Figure 18
IHSS Group 100-4
No Longer Representative Samples

KEY

- Underground Process Waste Line Removed
- Above Ground Process Waste Line Removed (D&D)
- Process Waste Line Left in Place
- Process Waste Line Not Found
- Excavation Area (Approximate)
- FY 2002 IHSS locations
- FY 2002 PAC locations
- FY 2002 UBC locations
- Buildings and other structures
- Paved areas
- Dirt roads
- Streams ditches or other drainage features

N

Scale = 1 350

25 0 25 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

KAISER HILL

123remediationarea.apr April 2002

64

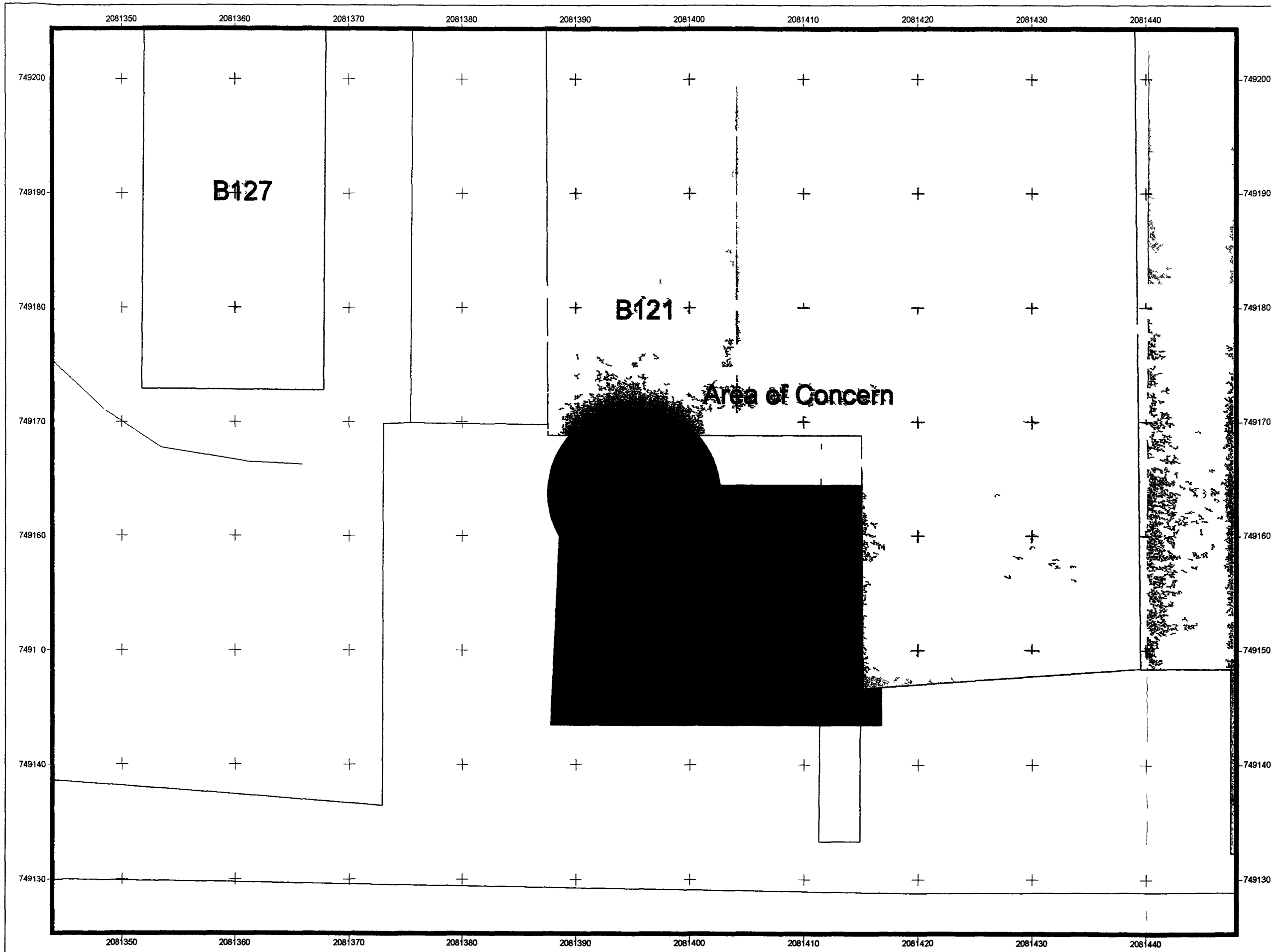


Figure 19
IHSS Group 100 5
Area of Concern

KEY

- Area of Concern
- Original PAC Shape
- Building
- Dirt Road
- Stream, ditch or other drainage
- Paved Area

N

Scale = 1 100

3 0 3 6 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

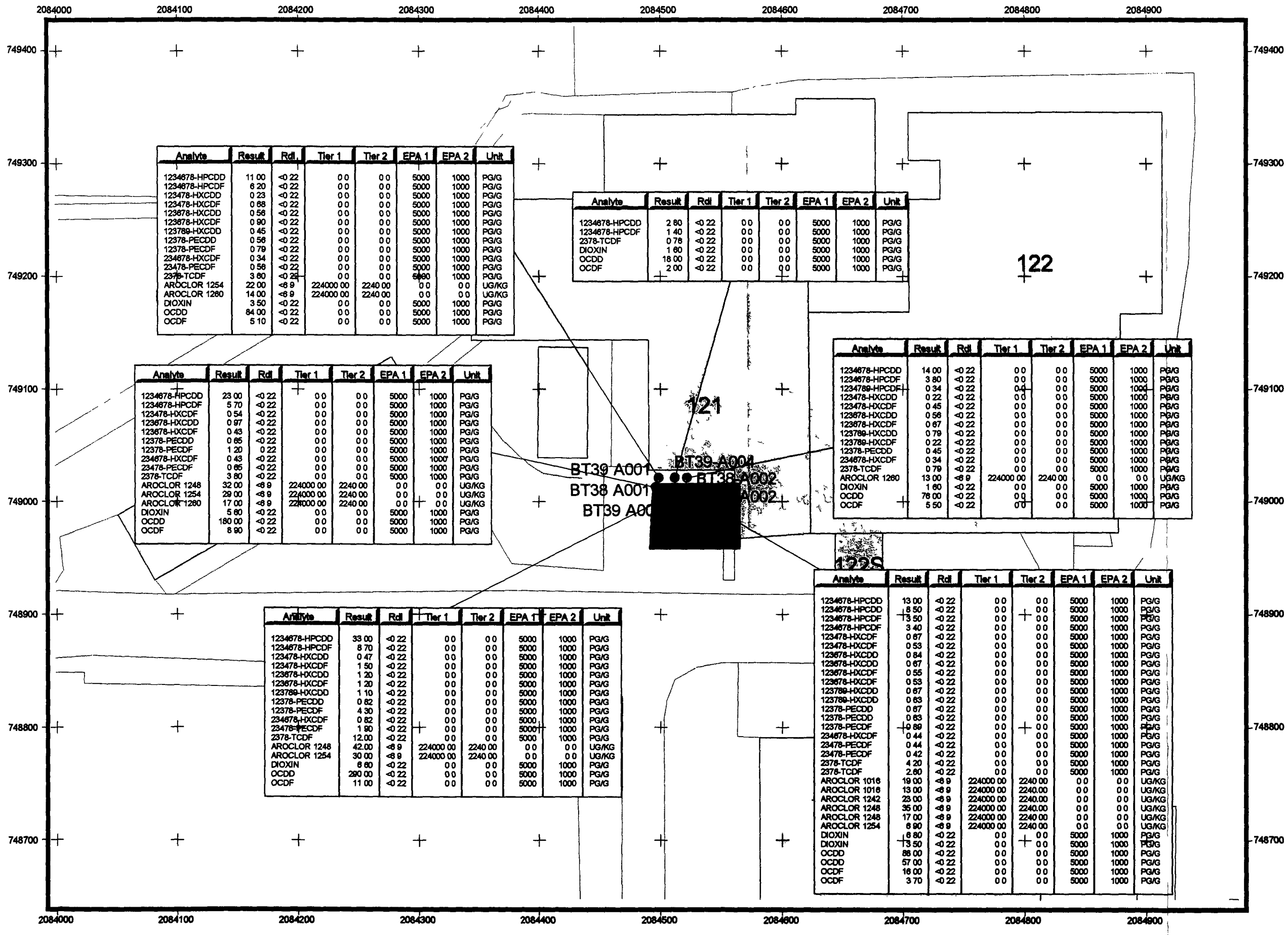
U S Department of Energy
Rocky Flats Environmental Technology Site

Prepared by

KAISER•HILL COMPANY

100-5AOC apr June 2002

65



Analyte	Result	Rdl	Tier 1	Tier 2	EPA 1	EPA 2	Unit
1234678-HPCDD	11 00	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDF	6 20	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDD	0 23	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDF	0 68	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDD	0 56	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDF	0 90	<0 22	0 0	0 0	5000	1000	PG/G
123789-HXCDD	0 45	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDD	0 56	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDF	0 79	<0 22	0 0	0 0	5000	1000	PG/G
234678-HXCDF	0 34	<0 22	0 0	0 0	5000	1000	PG/G
23478-PECDF	0 56	<0 22	0 0	0 0	5000	1000	PG/G
2378-TCDF	3 60	<0 22	0 0	0 0	5000	1000	PG/G
AROCLOR 1254	22 00	<6 9	224000 00	2240 00	0 0	0 0	UG/KG
AROCLOR 1260	14 00	<6 9	224000 00	2240 00	0 0	0 0	UG/KG
DIOXIN	3 50	<0 22	0 0	0 0	5000	1000	PG/G
OCDD	84 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDF	5 10	<0 22	0 0	0 0	5000	1000	PG/G

Analyte	Result	Rdl	Tier 1	Tier 2	EPA 1	EPA 2	Unit
1234678-HPCDD	2 80	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDF	1 40	<0 22	0 0	0 0	5000	1000	PG/G
2378-TCDF	0 78	<0 22	0 0	0 0	5000	1000	PG/G
DIOXIN	1 60	<0 22	0 0	0 0	5000	1000	PG/G
OCDD	18 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDF	2 00	<0 22	0 0	0 0	5000	1000	PG/G

Analyte	Result	Rdl	Tier 1	Tier 2	EPA 1	EPA 2	Unit
1234678-HPCDD	23 00	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDF	5 70	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDF	0 54	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDD	0 97	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDF	0 43	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDD	0 65	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDF	1 20	0 22	0 0	0 0	5000	1000	PG/G
234678-HXCDF	0 43	<0 22	0 0	0 0	5000	1000	PG/G
23478-PECDF	0 65	<0 22	0 0	0 0	5000	1000	PG/G
2378-TCDF	3 80	<0 22	0 0	0 0	5000	1000	PG/G
AROCLOR 1248	32 00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
AROCLOR 1254	29 00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
AROCLOR 1260	17 00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
DIOXIN	5 60	<0 22	0 0	0 0	5000	1000	PG/G
OCDD	180 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDF	8 90	<0 22	0 0	0 0	5000	1000	PG/G

Analyte	Result	Rdl	Tier 1	Tier 2	EPA 1	EPA 2	Unit
1234678-HPCDD	14 00	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDF	3 80	<0 22	0 0	0 0	5000	1000	PG/G
1234789-HPCDF	0 34	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDD	0 22	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDF	0 45	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDD	0 56	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDF	0 67	<0 22	0 0	0 0	5000	1000	PG/G
123789-HXCDD	0 79	<0 22	0 0	0 0	5000	1000	PG/G
123789-HXCDF	0 22	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDD	0 45	<0 22	0 0	0 0	5000	1000	PG/G
234678-HXCDF	0 34	<0 22	0 0	0 0	5000	1000	PG/G
2378-TCDF	0 79	<0 22	0 0	0 0	5000	1000	PG/G
AROCLOR 1260	13 00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
DIOXIN	1 60	<0 22	0 0	0 0	5000	1000	PG/G
OCDD	76 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDF	5 50	<0 22	0 0	0 0	5000	1000	PG/G

Analyte	Result	Rdl	Tier 1	Tier 2	EPA 1	EPA 2	Unit
1234678-HPCDD	33 00	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDF	8 70	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDD	0 47	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDF	1 50	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDD	1 20	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDF	1 20	<0 22	0 0	0 0	5000	1000	PG/G
123789-HXCDD	1 10	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDD	0 82	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDF	4 30	<0 22	0 0	0 0	5000	1000	PG/G
234678-HXCDF	0 82	<0 22	0 0	0 0	5000	1000	PG/G
23478-PECDF	1 90	<0 22	0 0	0 0	5000	1000	PG/G
2378-TCDF	12.00	<0 22	0 0	0 0	5000	1000	PG/G
AROCLOR 1248	42.00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
AROCLOR 1254	30 00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
DIOXIN	8 60	<0 22	0 0	0 0	5000	1000	PG/G
OCDD	290 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDF	11 00	<0 22	0 0	0 0	5000	1000	PG/G

Analyte	Result	Rdl	Tier 1	Tier 2	EPA 1	EPA 2	Unit
1234678-HPCDD	13 00	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDD	8 50	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDF	3 50	<0 22	0 0	0 0	5000	1000	PG/G
1234678-HPCDF	3 40	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDF	0 67	<0 22	0 0	0 0	5000	1000	PG/G
123478-HXCDF	0 53	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDD	0 84	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDD	0 67	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDF	0 55	<0 22	0 0	0 0	5000	1000	PG/G
123678-HXCDF	0 53	<0 22	0 0	0 0	5000	1000	PG/G
123789-HXCDD	0 67	<0 22	0 0	0 0	5000	1000	PG/G
123789-HXCDD	0 63	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDD	0 67	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDD	0 63	<0 22	0 0	0 0	5000	1000	PG/G
12378-PECDF	0 89	<0 22	0 0	0 0	5000	1000	PG/G
234678-HXCDF	0 44	<0 22	0 0	0 0	5000	1000	PG/G
23478-PECDF	0 44	<0 22	0 0	0 0	5000	1000	PG/G
23478-PECDF	0 42	<0 22	0 0	0 0	5000	1000	PG/G
2378-TCDF	4 20	<0 22	0 0	0 0	5000	1000	PG/G
2378-TCDF	2.60	<0 22	0 0	0 0	5000	1000	PG/G
AROCLOR 1016	19 00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
AROCLOR 1016	13 00	<8 9	224000 00	2240.00	0 0	0 0	UG/KG
AROCLOR 1242	23 00	<8 9	224000 00	2240.00	0 0	0 0	UG/KG
AROCLOR 1248	35 00	<8 9	224000 00	2240.00	0 0	0 0	UG/KG
AROCLOR 1248	17 00	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
AROCLOR 1254	8 90	<8 9	224000 00	2240 00	0 0	0 0	UG/KG
DIOXIN	6 80	<0 22	0 0	0 0	5000	1000	PG/G
DIOXIN	3 50	<0 22	0 0	0 0	5000	1000	PG/G
OCDD	86 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDD	57 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDF	16 00	<0 22	0 0	0 0	5000	1000	PG/G
OCDF	3 70	<0 22	0 0	0 0	5000	1000	PG/G

Figure 20
Sampling Results Greater Than Method Detection Limits at IHSS Group 100 5

Key

- Surface Soil Sampling Locations
- PAC 100-609
- Buildings and other structures
- Paved areas
- Dirt roads
- Drainage Features

N

Scale = 1 250

9 0 9 18 Feet

U S Department of Energy
Rocky Flats Environmental
Technology Site

State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

KAISER•HILL COMPANY

July 2002

Le6

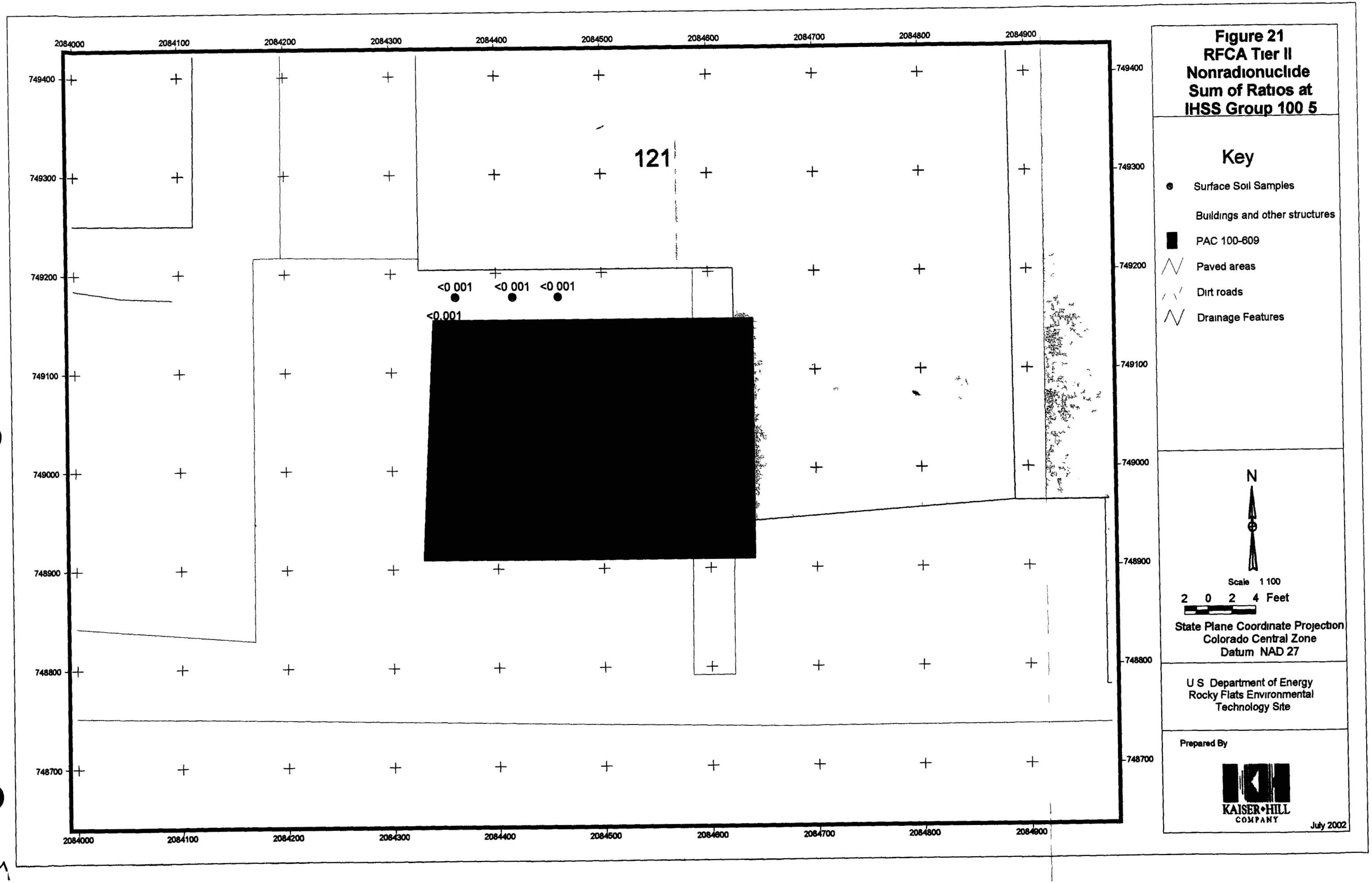
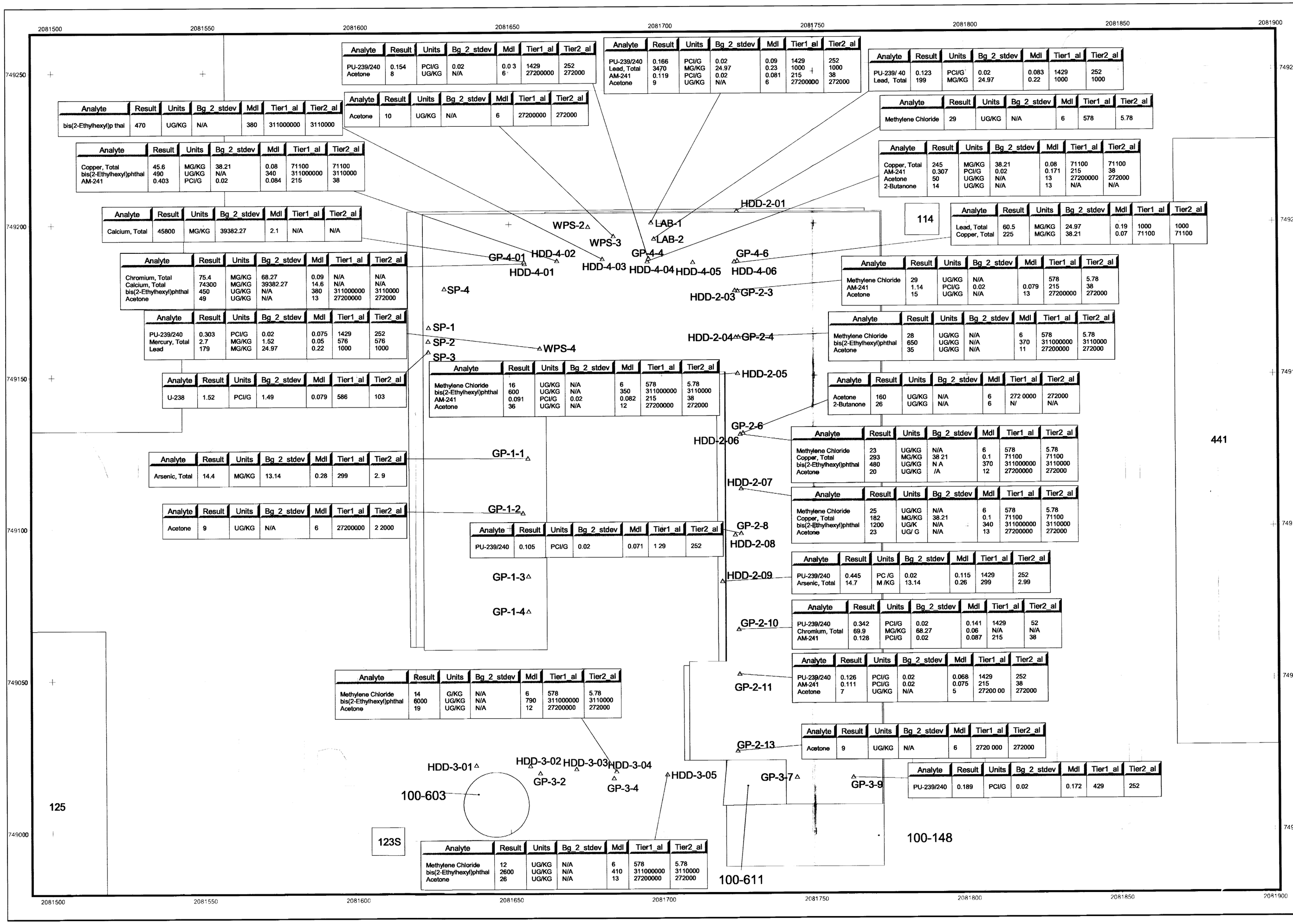


Figure 21
RFCA Tier II
Nonradionuclide
Sum of Ratios at
IHSS Group 100 5
Key
Surface Soil Samples
Buildings and other structures
PAC 100-609
Paved areas
Dirt roads
Drainage Features
N
Scale 1 100
2 0 2 4 Feet
State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27
U S Department of Energy
Rocky Flats Environmental
Technology Site
Prepared By
KAISER•HILL
COMPANY
July 2002
121
<0 001
<0 001
<0 001
<0.001
2084000
2084100
2084200
2084300
2084400
2084500
2084600
2084700
2084800
2084900
749400
749300
749200
749100
749000
748900
748800
748700

IA-A-01011 page 18



Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.154	PCI/G	0.02	0.0 3	1429	252
Acetone	8	UG/KG	N/A	6	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.166	PCI/G	0.02	0.09	1429	252
Lead, Total	3470	MG/KG	24.97	0.23	1000	1000
AM-241	0.119	PCI/G	0.02	0.081	215	38
Acetone	9	UG/KG	N/A	6	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/ 40	0.123	PCI/G	0.02	0.083	1429	252
Lead, Total	199	MG/KG	24.97	0.22	1000	1000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
bis(2-Ethylhexyl)p thal	470	UG/KG	N/A	380	311000000	3110000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Acetone	10	UG/KG	N/A	6	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	29	UG/KG	N/A	6	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Copper, Total	45.6	MG/KG	38.21	0.08	71100	71100
bis(2-Ethylhexyl)phthal	490	UG/KG	N/A	340	311000000	3110000
AM-241	0.403	PCI/G	0.02	0.084	215	38

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Copper, Total	245	MG/KG	38.21	0.08	71100	71100
AM-241	0.307	PCI/G	0.02	0.171	215	38
Acetone	50	UG/KG	N/A	13	27200000	272000
2-Butanone	14	UG/KG	N/A	13	N/A	N/A

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Calcium, Total	45800	MG/KG	39382.27	2.1	N/A	N/A

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Lead, Total	60.5	MG/KG	24.97	0.19	1000	1000
Copper, Total	225	MG/KG	38.21	0.07	71100	71100

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Chromium, Total	75.4	MG/KG	68.27	0.09	N/A	N/A
Calcium, Total	74300	MG/KG	39382.27	14.6	N/A	N/A
bis(2-Ethylhexyl)phthal	450	UG/KG	N/A	380	311000000	3110000
Acetone	49	UG/KG	N/A	13	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	29	UG/KG	N/A		578	5.78
AM-241	1.14	PCI/G	0.02	0.079	215	38
Acetone	15	UG/KG	N/A	13	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.303	PCI/G	0.02	0.075	1429	252
Mercury, Total	2.7	MG/KG	1.52	0.05	576	576
Lead	179	MG/KG	24.97	0.22	1000	1000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	28	UG/KG	N/A	6	578	5.78
bis(2-Ethylhexyl)phthal	650	UG/KG	N/A	370	311000000	3110000
Acetone	35	UG/KG	N/A	11	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
U-238	1.52	PCI/G	1.49	0.079	586	103

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	16	UG/KG	N/A	6	578	5.78
bis(2-Ethylhexyl)phthal	600	UG/KG	N/A	350	311000000	3110000
AM-241	0.091	PCI/G	0.02	0.082	215	38
Acetone	36	UG/KG	N/A	12	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Acetone	160	UG/KG	N/A	6	272 0000	272000
2-Butanone	26	UG/KG	N/A	6	N/	N/A

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Arsenic, Total	14.4	MG/KG	13.14	0.28	299	2. 9

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	23	UG/KG	N/A	6	578	5.78
Copper, Total	293	MG/KG	38 21	0.1	71100	71100
bis(2-Ethylhexyl)phthal	480	UG/KG	N A	370	311000000	3110000
Acetone	20	UG/KG	/A	12	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Acetone	9	UG/KG	N/A	6	27200000	2 2000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	25	UG/KG	N/A	6	578	5.78
Copper, Total	182	MG/KG	38.21	0.1	71100	71100
bis(2-Ethylhexyl)phthal	1200	UG/K	N/A	340	311000000	3110000
Acetone	23	UG/ G	N/A	13	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.105	PCI/G	0.02	0.071	1 29	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.445	PC /G	0.02	0.115	1429	252
Arsenic, Total	14.7	M /KG	13.14	0.26	299	2.99

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.342	PCI/G	0.02	0.141	1429	52
Chromium, Total	69.9	MG/KG	68.27	0.06	N/A	N/A
AM-241	0.128	PCI/G	0.02	0.087	215	38

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	14	G/KG	N/A	6	578	5.78
bis(2-Ethylhexyl)phthal	6000	UG/KG	N/A	790	311000000	3110000
Acetone	19	UG/KG	N/A	12	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.126	PCI/G	0.02	0.068	1429	252
AM-241	0.111	PCI/G	0.02	0.075	215	38
Acetone	7	UG/KG	N/A	5	27200 00	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Acetone	9	UG/KG	N/A	6	2720 000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU-239/240	0.189	PCI/G	0.02	0.172	429	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
Methylene Chloride	12	UG/KG	N/A	6	578	5.78
bis(2-Ethylhexyl)phthal	2600	UG/KG	N/A	410	311000000	3110000
Acetone	26	UG/KG	N/A	13	27200000	272000

Figure 4
Location of Pre-Accelerated Action Sample Results Above Detection Limits or Background Levels Collected at UBC 123 (IA Group 100-4) in November 2000

KEY

- FY 2002 IHSS location
- FY 2002 PAC location
- FY 2002 UBC location
- Building/structure
- Paved area
- Dirt road
- Stream, ditch, or other drainage feature

Existing soil sampling locations

- Both subsurface and surface soil
- Subsurface soil
- Surface soil

N

Scale = 1:200

20 0 20 40 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

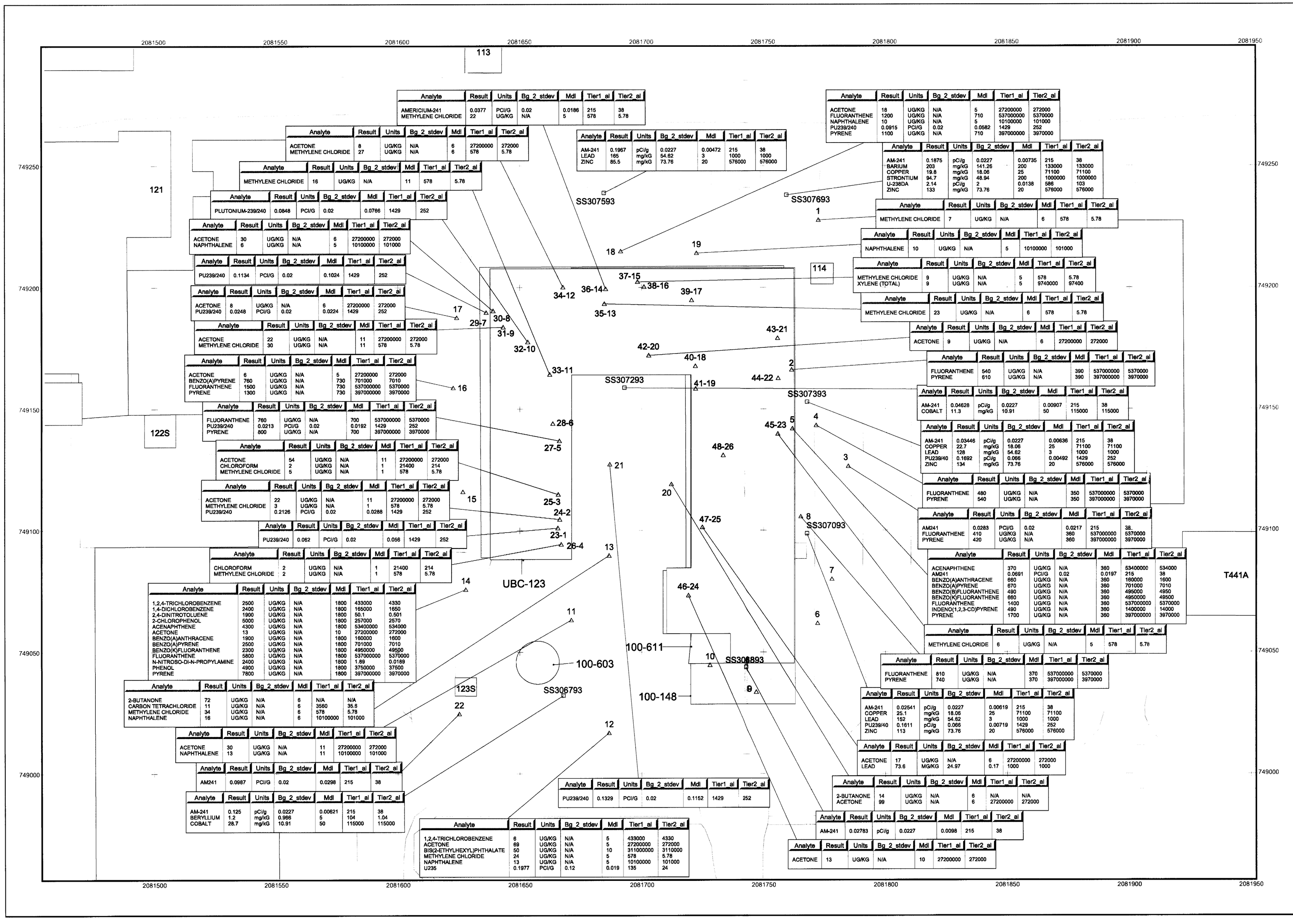
WATERSTONE

Prepared for:

KAISER-HILL COMPANY

postings-02.apr 16 November 2001

Figure 3
Location of Pre-Accelerated Action Sample Results Above Detection Limits or Background Levels for IA Group 100-4 (100-148, 100-603, 100-611, and UBC 123)



Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AMERICIUM-241	0.0377	PCI/G	0.02	0.0186	215	38
METHYLENE CHLORIDE	22	UG/KG	N/A	5	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	8	UG/KG	N/A	6	27200000	272000
METHYLENE CHLORIDE	27	UG/KG	N/A	6	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
METHYLENE CHLORIDE	16	UG/KG	N/A	11	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PLUTONIUM-239/240	0.0848	PCI/G	0.02	0.0766	1429	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	30	UG/KG	N/A	6	27200000	272000
NAPHTHALENE	6	UG/KG	N/A	5	10100000	101000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU239/240	0.1134	PCI/G	0.02	0.1024	1429	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	8	UG/KG	N/A	6	27200000	272000
PU239/240	0.0248	PCI/G	0.02	0.0224	1429	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	22	UG/KG	N/A	11	27200000	272000
METHYLENE CHLORIDE	30	UG/KG	N/A	11	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	6	UG/KG	N/A	5	27200000	272000
BENZO(A)PYRENE	760	UG/KG	N/A	730	701000	7010
FLUORANTHENE	1500	UG/KG	N/A	730	537000000	5370000
PYRENE	1300	UG/KG	N/A	730	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
FLUORANTHENE	760	UG/KG	N/A	700	537000000	5370000
PU239/240	0.0213	PCI/G	0.02	0.0192	1429	252
PYRENE	800	UG/KG	N/A	700	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	54	UG/KG	N/A	11	27200000	272000
CHLOROFORM	2	UG/KG	N/A	1	21400	214
METHYLENE CHLORIDE	5	UG/KG	N/A	1	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	22	UG/KG	N/A	11	27200000	272000
METHYLENE CHLORIDE	3	UG/KG	N/A	1	578	5.78
PU239/240	0.2126	PCI/G	0.02	0.0288	1429	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU239/240	0.062	PCI/G	0.02	0.058	1429	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
CHLOROFORM	2	UG/KG	N/A	1	21400	214
METHYLENE CHLORIDE	2	UG/KG	N/A	1	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
1,2,4-TRICHLOROBENZENE	2500	UG/KG	N/A	1800	433000	4330
1,4-DICHLOROBENZENE	2400	UG/KG	N/A	1800	185000	1850
2,4-DINITROTOLUENE	1900	UG/KG	N/A	1800	50.1	0.501
2-CHLOROPHENOL	5000	UG/KG	N/A	1800	257000	2570
ACENAPHTHENE	4300	UG/KG	N/A	1800	5340000	534000
ACETONE	13	UG/KG	N/A	10	27200000	272000
BENZO(A)ANTHRACENE	1900	UG/KG	N/A	1800	160000	1600
BENZO(A)PYRENE	2500	UG/KG	N/A	1800	701000	7010
BENZO(K)FLUORANTHENE	2300	UG/KG	N/A	1800	4950000	49500
FLUORANTHENE	5800	UG/KG	N/A	1800	537000000	5370000
N-NITROSO-DI-N-PROPYLAMINE	2400	UG/KG	N/A	1800	1.89	0.0189
PHENOL	4900	UG/KG	N/A	1800	3750000	37500
PYRENE	7800	UG/KG	N/A	1800	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
2-BUTANONE	72	UG/KG	N/A	6	N/A	N/A
CARBON TETRACHLORIDE	11	UG/KG	N/A	6	3560	35.6
METHYLENE CHLORIDE	34	UG/KG	N/A	6	578	5.78
NAPHTHALENE	16	UG/KG	N/A	6	10100000	101000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	30	UG/KG	N/A	11	27200000	272000
NAPHTHALENE	13	UG/KG	N/A	11	10100000	101000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM241	0.0987	PCI/G	0.02	0.0298	215	38

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM-241	0.125	pCi/g	0.0227	0.00621	215	38
BERYLLIUM	1.2	mg/kG	0.966	5	104	1.04
COBALT	28.7	mg/kG	10.91	50	115000	115000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM-241	0.1967	pCi/g	0.0227	0.00472	215	38
LEAD	165	mg/kG	54.62	3	1000	1000
ZINC	85.5	mg/kG	73.76	20	576000	576000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
PU239/240	0.1329	PCI/G	0.02	0.1152	1429	252

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
1,2,4-TRICHLOROBENZENE	6	UG/KG	N/A	5	433000	4330
ACETONE	69	UG/KG	N/A	5	27200000	272000
BIS(2-ETHYLHEXYL)PHTHALATE	50	UG/KG	N/A	10	311000000	3110000
METHYLENE CHLORIDE	24	UG/KG	N/A	5	578	5.78
NAPHTHALENE	13	UG/KG	N/A	5	10100000	101000
U235	0.1977	PCI/G	0.12	0.019	135	24

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	18	UG/KG	N/A	5	27200000	272000
FLUORANTHENE	1200	UG/KG	N/A	710	537000000	5370000
NAPHTHALENE	10	UG/KG	N/A	5	10100000	101000
PU239/240	0.0915	PCI/G	0.02	0.0582	1429	252
PYRENE	1100	UG/KG	N/A	710	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM-241	0.1875	pCi/g	0.0227	0.00735	215	38
BARIUM	203	mg/kG	141.26	200	133000	133000
COPPER	19.8	mg/kG	18.06	25	71100	71100
STRONTIUM	94.7	mg/kG	48.94	200	1000000	1000000
U-238DA	2.14	pCi/g	2	0.0138	586	103
ZINC	133	mg/kG	73.76	20	576000	576000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
METHYLENE CHLORIDE	7	UG/KG	N/A	6	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
NAPHTHALENE	10	UG/KG	N/A	5	10100000	101000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
METHYLENE CHLORIDE	9	UG/KG	N/A	5	578	5.78
XYLENE (TOTAL)	9	UG/KG	N/A	5	9740000	97400

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
METHYLENE CHLORIDE	23	UG/KG	N/A	6	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	9	UG/KG	N/A	6	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
FLUORANTHENE	540	UG/KG	N/A	390	537000000	5370000
PYRENE	610	UG/KG	N/A	390	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM-241	0.04628	pCi/g	0.0227	0.00907	215	38
COBALT	11.3	mg/kG	10.91	50	115000	115000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM-241	0.03446	pCi/g	0.0227	0.00636	215	38
COPPER	22.7	mg/kG	18.06	25	71100	71100
LEAD	128	mg/kG	54.62	3	1000	1000
PU239/40	0.1692	pCi/g	0.066	0.00492	1429	252
ZINC	134	mg/kG	73.76	20	576000	576000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
FLUORANTHENE	480	UG/KG	N/A	350	537000000	5370000
PYRENE	540	UG/KG	N/A	350	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM241	0.0283	PCI/G	0.02	0.0217	215	38
FLUORANTHENE	410	UG/KG	N/A	360	537000000	5370000
PYRENE	420	UG/KG	N/A	360	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACENAPHTHENE	370	UG/KG	N/A	360	53400000	534000
AM241	0.0691	PCI/G	0.02	0.0197	215	38
BENZO(A)ANTHRACENE	860	UG/KG	N/A	360	160000	1600
BENZO(A)PYRENE	670	UG/KG	N/A	360	701000	7010
BENZO(B)FLUORANTHENE	490	UG/KG	N/A	360	495000	4950
BENZO(K)FLUORANTHENE	860	UG/KG	N/A	360	4950000	49500
FLUORANTHENE	1400	UG/KG	N/A	360	537000000	5370000
INDENO(1,2,3-CD)PYRENE	490	UG/KG	N/A	360	1400000	14000
PYRENE	1700	UG/KG	N/A	360	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
METHYLENE CHLORIDE	6	UG/KG	N/A	5	578	5.78

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
FLUORANTHENE	810	UG/KG	N/A	370	537000000	5370000
PYRENE	740	UG/KG	N/A	370	397000000	3970000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM-241	0.02541	pCi/g	0.0227	0.00619	215	38
COPPER	25.1	mg/kG	18.06	25	71100	71100
LEAD	152	mg/kG	54.62	3	1000	1000
PU239/40	0.1611	pCi/g	0.066	0.00719	1429	252
ZINC	113	mg/kG	73.76	20	576000	576000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	17	UG/KG	N/A	6	27200000	272000
LEAD	73.6	MG/KG	24.97	0.17	1000	1000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
2-BUTANONE	14	UG/KG	N/A	6	N/A	N/A
ACETONE	99	UG/KG	N/A	6	27200000	272000

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
AM-241	0.02783	pCi/g	0.0227	0.0098	215	38

Analyte	Result	Units	Bg_2_stdev	Mdl	Tier1_al	Tier2_al
ACETONE	13	UG/KG	N/A	10	27200000	272000

KEY

- FY 2002 IHSS location
- FY 2002 PAC location
- FY 2002 UBC location
- Building/structure
- Paved area
- Dirt road
- Stream, ditch, or other drainage feature

Existing soil sampling locations

- ○ Both subsurface and surface soil
- △ Subsurface soil
- □ Surface soil

N

Scale = 1:300

20 0 20 40 60 Feet

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

WATERSTONE

Prepared for:

KAISER•HILL COMPANY

postings-02.apr 16 November 2001