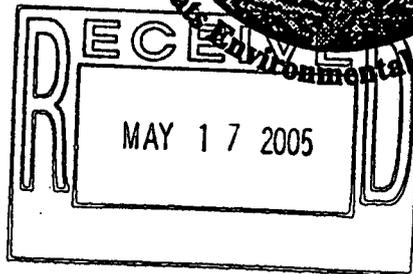
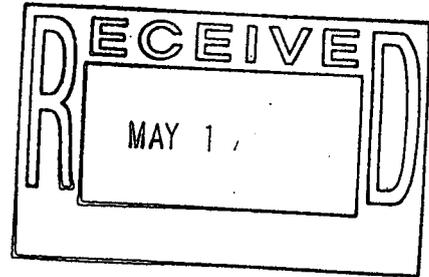




**Draft Closeout Report
for IHSS Group 900-2
(IHSS 900-153 – Oil Burn Pit No. 2, and
IHSS 900-154 – Pallet Burn Site)**



May 2005

ADMIN RECORD

BZ-A-000846

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**Draft Closeout Report
for IHSS Group 900-2
(IHSS 900-153 – Oil Burn Pit No. 2, and
IHSS 900-154 – Pallet Burn Site)**

May 2005

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**Draft Closeout Report
for IHSS 900-2
(IHSS 900-153 – Oil Burn Pit No. 2, and
IHSS 900-154 – Pallet Burn Site)**

Approval received from the U.S. Environmental Protection Agency, Region VIII

(_____).

Approval letter contained in the Administrative Record.

May 2005

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ENCLOSURE

CD Containing Standardized Real and QC Accelerated Action Data

ACRONYMS

AAESE	Accelerated Action Ecological Screening Evaluation
AL	action level
AOC	area of concern
AR	Administrative Record
ASD	Analytical Services Division
bgs	below ground surface
BZ	Buffer Zone
CAD/ROD	Corrective Action Decision/Record of Decision
CAS	Chemical Abstracts Service
CD	compact disc
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CHWA	Colorado Hazardous Waste Act
COC	contaminant of concern
CRA	Comprehensive Risk Assessment
cy	cubic yard
D&D	Decontamination and Decommissioning
DOE	U.S. Department of Energy
DOP	Decommissioning Operations Plan
dpm	disintegrations per minute
DQA	Data Quality Assessment
DQO	data quality objective
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration
ERA	Ecological Risk Assessment
ER RSOP	Environmental Restoration RFCA Standard Operating Protocol for Routine Soil Remediation
ft	foot
ft ²	square foot
FY	Fiscal Year
HPGe	high-purity germanium
HRC®	hydrogen release compound
HRR	Historical Release Report
IA	Industrial Area
IABZSAP	Industrial Area and Buffer Zone Sampling and Analysis Plan
IASAP	Industrial Area Sampling and Analysis Plan
IHSS	Individual Hazardous Substance Site
ISOCS	In-Situ Counting System
K-H	Kaiser-Hill Company, L.L.C.
LCS	laboratory control sample
LLW	low-level radioactive waste
ug/kg	micrograms per kilogram
ug/L	micrograms per liter

MDL	method detection limit
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
N/A	not applicable
nCi/g	nanocuries per gram
NFAA	No Further Accelerated Action
NLR	No Longer Representative
OPWL	Original Process Waste Line
PA	Protected Area
PAC	Potential Area of Concern
PAH	polycyclic aromatic hydrocarbon
PARCCS	precision, accuracy, representativeness, completeness, comparability, and sensitivity
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
pCi/g	picocuries per gram
PCOC	potential contaminant of concern
POE	Point of Evaluation
ppm	parts per million
QC	quality control
RAO	remedial action objective
RCRA	Resource Conservation and Recovery Act
RFCA	Rocky Flats Cleanup Agreement
RFETS or Site	Rocky Flats Environmental Technology Site
RI/FS	Remedial Investigation/Feasibility Study
RIN	report identification number
RL	reporting limit
RPD	relative percent difference
RSOP	RFCA Standard Operating Protocol for Routine Soil Remediation
SAP	Sampling and Analysis Plan
Sbd	sample beginning depth
SD	standard deviation
Sed	sample ending depth
SOR	sum of ratios
SSRS	Subsurface Soil Risk Screen
SVOC	semivolatile organic compound
SWD	Soil Water Database
TCE	trichloroethene
UCL	upper confidence limit
V&V	verification and validation
VOC	volatile organic compound
WRW	wildlife refuge worker

EXECUTIVE SUMMARY

Individual Hazardous Substance Site (IHSS) Group 900-2 at the Rocky Flats Environmental Technology Site (RFETS or Site) in Golden, Colorado consists of IHSS 900-153 – Oil Burn Pit No. 2 and IHSS 900-154 – Pallet Burn Site. IHSS Group 900-2 is located near the southeast corner of the former protected area (PA).

Historical information indicated uranium-contaminated coolant and waste oils from Building 444 and Building 881 were burned in two open pits at IHSS 900-153. Unknown organic liquids were also stored at the site. Liquid residues in IHSS 900-153 ranged from 12,000 disintegrations per minute (dpm)/ liter (l) uranium activity. During 1978, approximately 500 cubic yards (cy) of contaminated soil were excavated from IHSS 900-153 and disposed of at an off-site Department of Energy (DOE)-authorized disposal facility. The cleanup criteria for the IHSS 900-153 soil removal were based on radioactivity measurements and not volatile organic compound (VOC) concentrations. Historical analytical soil data near IHSS 900-153 indicated the presence of metals, polychlorinated biphenyls (PCBs), pesticides, radionuclides, and VOCs (DOE 2002a).

Located west of IHSS 900-153, oil contaminated pallets and other wood debris were burned during 1965 at IHSS 900-154 – Pallet Burn Site. The IHSS 900-154 site was removed in the 1970s.

Accelerated action soil data were obtained at 102 locations during several sampling events at IHSS Group 900-2. Thirty-six characterization locations were sampled from April 2002 to January 2004 in IHSSs 153 and 154. Of the 36 characterization locations sampled in IHSSs 153 and 154 from April 2002 through January 2004, one or more analytes, including arsenic, Aroclors 1254 and 1260, tetrachloroethene (PCE), and trichloroethene (TCE), exceeded Rocky Flats Cleanup Agreement (RFCA) wildlife refuge worker (WRW) action levels (ALs) in 6 sampling locations. Analyses performed on these characterization soil samples included metals, PCBs, pesticides, radionuclides, semivolatile organic compounds (SVOCs), and VOCs. During soil remediation activities conducted at IHSS 900-153 from January through March 2005, 66 characterization, in-process, and confirmation sampling locations were sampled. Of the 66 locations sampled during the remediation activities, 57 locations, classified as in-process and confirmation locations, were sampled within the IHSS 900-153 remediation area. The remaining 9 locations, classified as characterization locations, were sampled northwest of the remediation area to determine soil conditions in the vicinity of Functional Channel 5. One or more analytes including Aroclors 1254 and 1260, PCE, and TCE exceeded RFCA WRW ALs in 15 sampling locations. Analyses for the January through March 2005 samples included dioxin/furans, PCBs, radionuclides, and VOCs.

Following excavation of contaminated soils, confirmation sampling indicated that all remaining contaminant concentrations were below RFCA WRW ALs. Approximately 1,370 cy of contaminated soil was excavated at IHSS 900-153 for the purpose of removing the source area and protecting groundwater in this area of the Site. The excavation area and clean backfill soil at IHSS 900-153 were treated with hydrogen release compound (HRC®).

Results of the accelerated action justify No Further Accelerated Action (NFAA) for IHSS Group 900-2. Justification is based on the following:

- The potential sources of contamination (PCBs and VOCs) existing in soil at concentrations greater than RFCA WRW ALs in IHSS 900-153 – Oil Burn Pit No. 2 were removed to protect groundwater.
- The excavation area and clean backfill soil at IHSS 900-153 were treated with HRC®; therefore, residual VOC contamination in the soil and groundwater should continue to degrade in this area.
- A french drain was installed downgradient of IHSS Group 900-2 to ensure that water through this area is captured and directed to the Mound Site Plume Collection and Treatment System.
- Residual contaminant concentrations are below RFCA WRW ALs in Oil Burn Pit No. 2 (IHSS 900-153).
- Arsenic is present at concentrations greater than the RFCA WRW AL in the Pallet Burn Site (IHSS 900-154); however, because the exceedances are located in subsurface soil at a depth of 4.5 ft or greater, the site did not require remediation based on RFCA.
- In accordance with the SSRS, subsurface soil in the area is not subject to significant erosion.

Potential surface water impacts and water quality monitoring requirements will be addressed in the Comprehensive Risk Assessment (CRA) and Remedial Investigation/Feasibility Study (RI/FS). Ecological effects will be evaluated in the Accelerated Action Ecological Screening Evaluation (AAESE) and the ecological risk assessment portion of the CRA. The Integrated Monitoring Plan (IMP) will address the need for further groundwater monitoring. Groundwater remediation alternatives are addressed in the Groundwater Interim Measure/Interim Remedial Action (IM/IRA).

The need for and extent of any more general, long-term stewardship activities will also be analyzed in the RI/FS and proposed as part of the preferred alternative in the Proposed Plan for the Site. Institutional controls and other long-term stewardship requirements for the Site will ultimately be contained in the Corrective Action Decision/Record of Decision (CAD/ROD).

This Closeout Report and associated documentation will be retained as part of the Rocky Flats Administrative Record (AR) file. The specific long-term stewardship recommendations will also be summarized in the Rocky Flats Long-Term Stewardship Strategy.

1.0 INTRODUCTION

This Closeout Report summarizes characterization and accelerated action activities conducted at Individual Hazardous Substance Site (IHSS) Group 900-2 at the Rocky Flats Environmental Technology Site (RFETS or Site) in Golden, Colorado. IHSS Group 900-2 consists of IHSS 900-153 – Oil Burn Pit No. 2, and IHSS 900-154 – Pallet Burn Site. The location of IHSS Group 900-2 is shown on Figure 1.

Accelerated action activities were planned and executed in accordance with the Industrial Area (IA) and Buffer Zone (BZ) Sampling and Analysis Plan (SAP) (IABZSAP) (DOE 2004) and the Environmental Restoration (ER) Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (RSOP) for Routine Soil Remediation (ER RSOP) (DOE 2003a). Notification of the planned activities, ER RSOP Notification #05-03 (DOE 2005), was approved by the Environmental Protection Agency (EPA) on January 27, 2005 (EPA 2005).

Ecological effects will be evaluated in the Accelerated Action Ecological Screening Evaluation (AAESE) and the ecological risk assessment portion of the sitewide Comprehensive Risk Assessment (CRA). The CRA will employ analytical results of characterization and confirmation sampling from IHSS Group 900-2 to determine if additional remediation is warranted.

This report contains the information necessary to demonstrate attainment of cleanup objectives and final closure of IHSS Group 900-2 including the following:

- Site characterization information
 - Description of site characterization activities, and
 - Site characterization data, including data tables and maps;
- Site accelerated action information
 - Description of accelerated action, including the rationale for the action,
 - Map of the project area and dates and durations of specific remedial activities, and
 - Photographs documenting site remediation and reclamation activities;
- Confirmation sampling data, including data tables and location maps, as well as a comparison of the confirmation data to applicable cleanup goals;
- Deviations from the ER RSOP (DOE 2003a);
- The Subsurface Soil Risk Screen (SSRS);

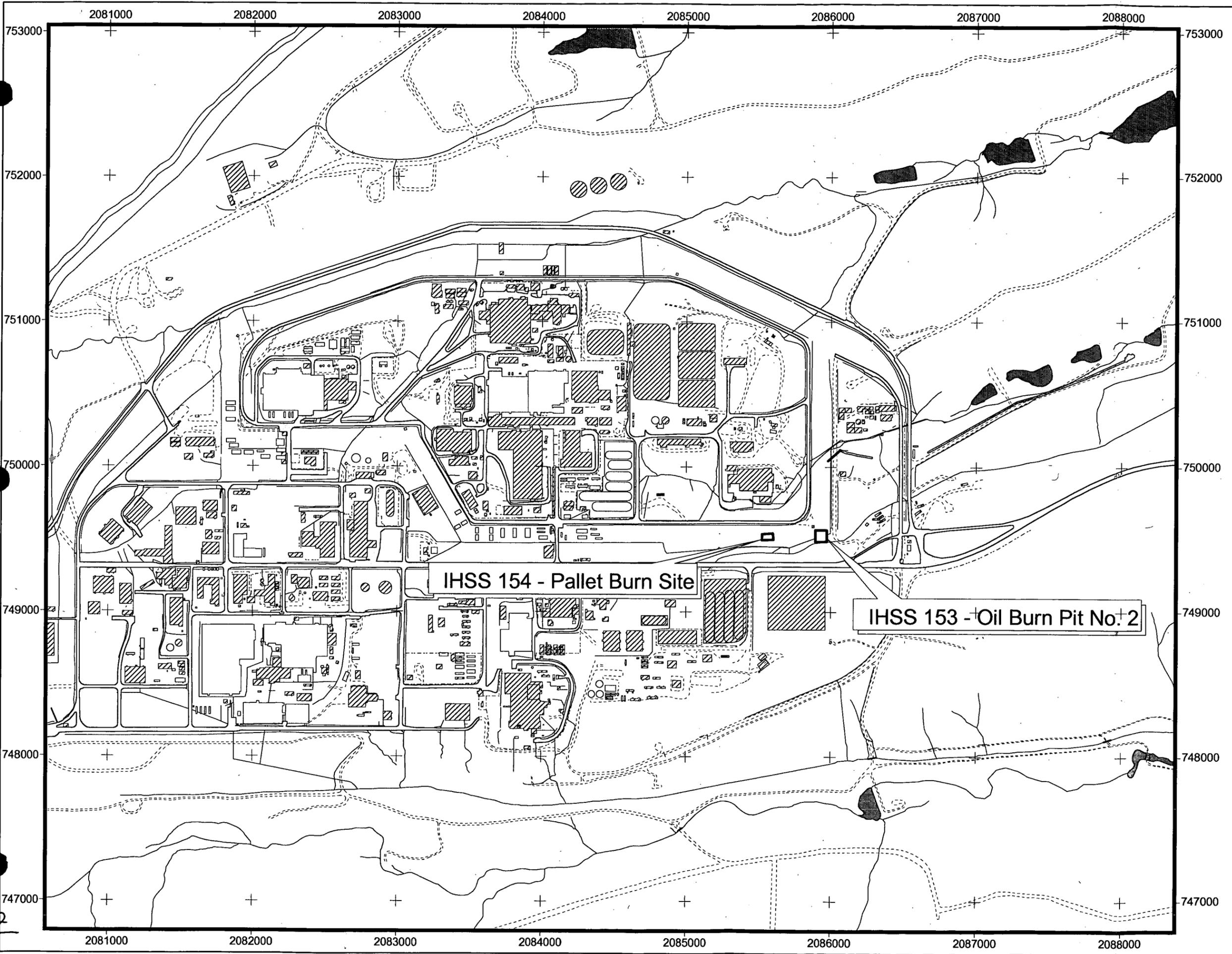
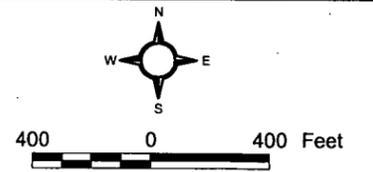


Figure 1
IHSS Group 900-2
(IHSS 153 and IHSS 154)
Location

Key

-  IHSS
-  Demolished structure
-  Structure
-  Asphalt
-  Lake or pond
-  Dirt road
-  Stream, ditch, or other drainage feature
-  Interceptor trench
-  French drain

DRAFT



Scale = 1 : 7,500
 State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD 27

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

Prepared by: _____ Date: 05-12-05



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- Near-term stewardship actions and long-term stewardship recommendations;
- Disposition of wastes;
- Site reclamation information;
- Table of No Longer Representative (NLR) locations that have been remediated. These data will be used to mark database records so they are not used in the CRA or other Site analyses; and
- Data Quality Assessment (DQA), including comparisons of confirmation data with project data quality objectives (DQOs).

Approval of this Closeout Report constitutes regulatory agency concurrence that IHSS Group 900-2 is a No Further Accelerated Action (NFAA) Site. This information and NFAA determination will be documented in the Fiscal Year (FY) 2005 (05) Annual Update for the Historical Release Report (HRR).

2.0 SITE CHARACTERIZATION

Characterization of IHSS Group 900-2 consists of information derived from the following:

- Historical process knowledge (DOE 1999a);
- Historical sampling data (preaccelerated action) from three sampling locations in the IHSS 900-153 area (DOE 2002a);
- Accelerated action characterization sampling at 36 locations conducted between April 2002 and January 2004 at IHSSs 900-153 and 900-154; and
- Recent (January 2005 through March 2005) sample collection at 66 accelerated action characterization, in-process, and confirmation sampling locations, obtained during soil remediation activities at IHSS 900-153.

Historical and preaccelerated action information for IHSS Group 900-2 derived from previous studies (DOE 1999a and 2002a) is briefly summarized in Sections 2.1 and 2.2. Accelerated action results for IHSS Group 900-2 are summarized in Section 2.3.

Accelerated action analytical data were collected in accordance with the IABZSAP (DOE 2004c). The enclosed compact disc (CD) contains the complete accelerated action data set for IHSS Group 900-2. The CD contains standardized real and quality control (QC) data, including Chemical Abstracts Service (CAS) numbers, analyte names, and units.

2.1 Historical Information

Historical information indicated uranium-contaminated coolant and waste oils from Building 444 and Building 881 were burned in two open pits, currently designated as IHSS 900-153 – Oil Burn Pit No. 2. Records indicate that the pits were actually two parallel trenches. An estimated 1,354 drums were emptied into the pits and burned between March 1957 and May 1965 (DOE 1992-2004). Unknown organic liquids were also stored at the site. Liquid residues in IHSS 900-153 – Oil Burn Pit No. 2 were reported up to 12,000 disintegrations per minute (dpm)/ liter (l) uranium activity. Approximately 370 cubic yards (cy) of depleted uranium residue were estimated to be present in the area prior to removal activities (DOE 1992-2004).

During 1978, soil was excavated to a depth of approximately 5 feet (ft) in this area; and approximately 500 cy of contaminated soil are reported to have been removed and disposed of at an off-site Department of Energy (DOE)-authorized disposal facility. The cleanup criteria were based on radioactivity measurements and not volatile organic compound (VOC) concentrations.

IHSS 900-154 – Pallet Burn Site was located west of IHSS 900-153. Oil-contaminated pallets and other wood debris were burned in this area. Burning activities were conducted during 1965 and the site was removed at an unspecified date in the 1970s. IHSS 900-154 was identified as being located in the area formerly occupied by the Protected Area (PA) security fencing.

2.2 Preaccelerated Action Data

Historical analytical soil data are limited to 3 locations sampled near IHSS 900-153. Results indicated the presence of metals, polychlorinated biphenyls (PCBs), pesticides, radionuclides, and VOCs (DOE 2002a). Existing preaccelerated action data and information for IHSS Group 900-2 are available in the HRRs (DOE 1992-2004), the BZSAP Addendum #BZ-02-01 (DOE 2002a), and Appendix C of the IABZSAP (DOE 2004c).

2.3 Accelerated Action Data

Accelerated action soil data were obtained during several sampling events at IHSS Group 900-2. A total of 102 accelerated action sampling locations were sampled in IHSS Group 900-2 between April 2002 and March 2005 (36 locations from April 2002 to January 2004, and 66 locations from January 2005 through March 2005).

Of the 36 characterization locations sampled from April 2002 through January 2004, 14 locations were initially described in BZSAP Addendum #BZ-02-01 (DOE 2002b) and sampled between April 2002 and October 2002 in both IHSSs 900-153 and 900-154. Twenty-two additional locations were sampled later in IHSS 900-153 only, to characterize the extent of soil contamination. These 22 additional locations were sampled from May 2003 through January 2004. Analyses performed on soil samples included metals, PCBs, pesticides, radionuclides, semivolatile organic compounds (SVOCs), and VOCs. Of the 36 locations sampled, one or more analytes, including arsenic, Aroclors 1254 and 1260, tetrachloroethene (PCE), and trichloroethene (TCE),

exceeded RFCA wildlife refuge worker (WRW) action levels (ALs) at 6 sampling locations.

Characterization sampling results greater than background means plus two standard deviations or reporting limits (RLs) from the 36 locations sampled from April 2002 through January 2004 are shown on Figures 2, 3 and 4. Analytical results greater than RFCA WRW ALs are highlighted in red on the figures.

During soil remediation activities conducted from January through March 2005, a total of 66 characterization, in-process, and confirmation sampling locations were sampled at IHSS 900-153. Of these 66 locations, 57 locations, classified as in-process and confirmation locations, were sampled within the IHSS 900-153 remediation area. In-process samples are classified as soil samples containing one or more contaminants exceeding RFCA WRW ALs and requiring remediation. Following over excavation of the area containing the WRW AL exceedance in the in-process sample, a confirmation sample was collected to verify contamination was below RFCA WRW ALs. All locations classified as in-process locations are no longer relevant (NLR) because they were removed during soil excavation activities.

Of the remaining 9 locations from the 66 locations sampled from January through March 2005, the samples were classified as characterization locations. These 9 locations were sampled northwest of the remediation area to determine soil conditions in the vicinity of Functional Channel 5.

During soil remediation activities (January through March 2005), analyses performed on samples, obtained from the 66 characterization, in-process, and confirmation soil sample locations, included dioxin/furans, PCBs, radionuclides, and VOCs. Of the 66 locations sampled, one or more analytes, including Aroclors 1254 and 1260, PCE, and TCE, exceeded RFCA WRW ALs in 15 sampling locations, all in subsurface soil. It should be noted; however, that the RFCA WRW ALs for these analytes are for surface soil contamination and all exceedances were reported in subsurface soil. Analytical results of surface and subsurface soil samples with concentrations greater than background means plus two standard deviation or RLs are shown on Figure 5.

Sampling specifications, including potential contaminants of concern (PCOCs), media sampled, and deviations from accelerated action sampling locations, are presented in Table 1. A summary of accelerated action sampling and analyses is presented in Table 2.

Following excavation of contaminated soils, confirmation sampling indicated that all remaining contaminant concentrations were below RFCA WRW ALs. Analytical results for accelerated action characterization, in-process, and confirmation samples are presented in Table 3. In addition, analytical results with activities or concentrations greater than RFCA WRW AL exceedances are identified with bold text in Table 3.

Radionuclide and non-radionuclide sums of ratios (SORs) are listed in Tables 4 and 5, respectively. All analytical data are summarized, by analyte, in Tables 6 and 7.

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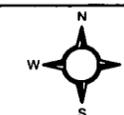
Figure 2

**IHSS 900-153
(FY02 through FY04)
Characterization Surface Soil
Sampling Results Greater than
Background Means Plus
Two Standard Deviations
or RLs**

Key

- Location with concentrations greater than background means plus two standard deviations or RLs
- Location with concentrations less than background means plus two standard deviations or RLs
-  IHSS
-  Demolished structure
-  Structure
-  Asphalt
-  Dirt road
-  Stream, ditch, or other drainage feature

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Scale = 1 : 1,000

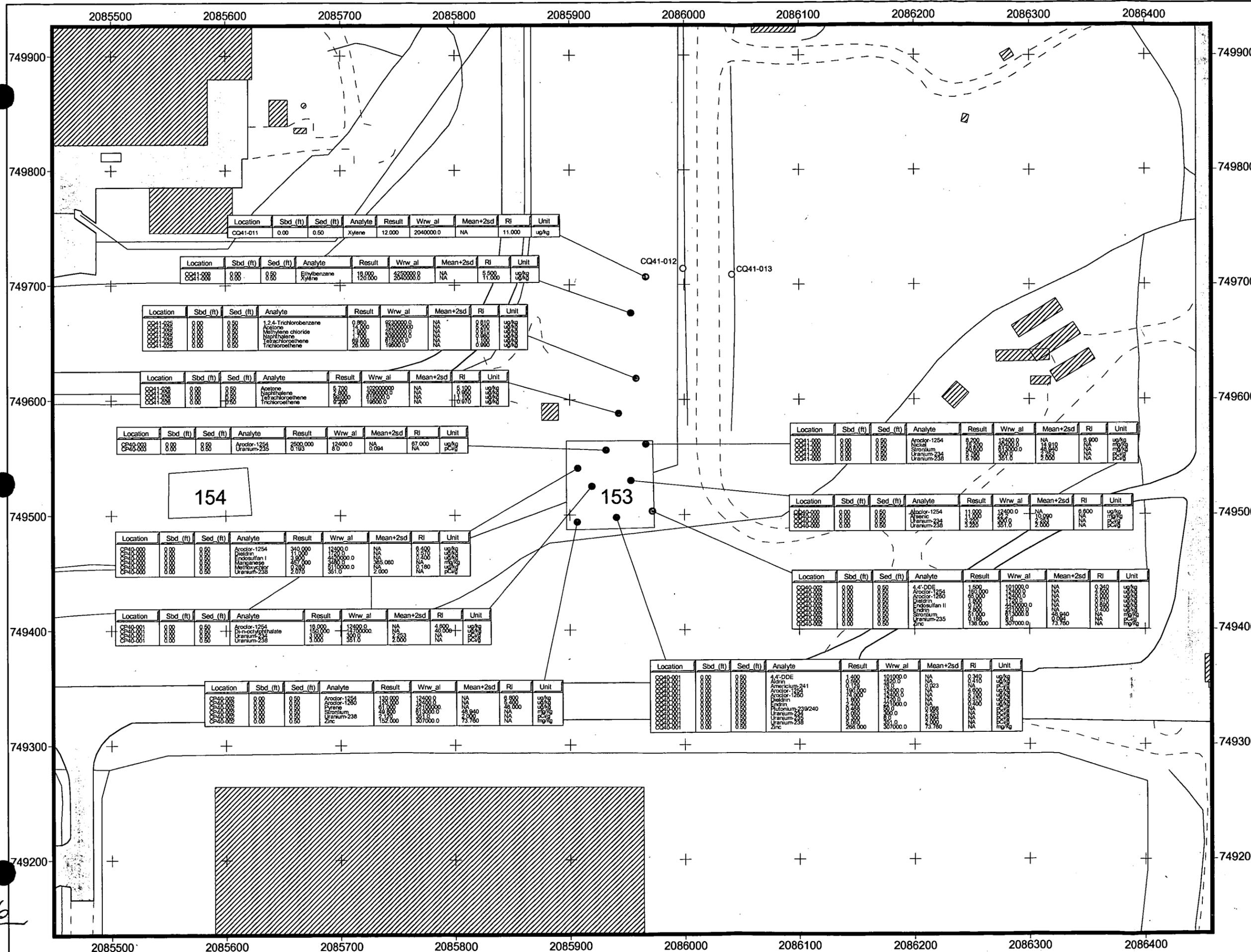
State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

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Rocky Flats Environmental Technology Site

Prepared by:  Date: 05-12-05

Prepared for:

KAISER-HILL
COMPANY



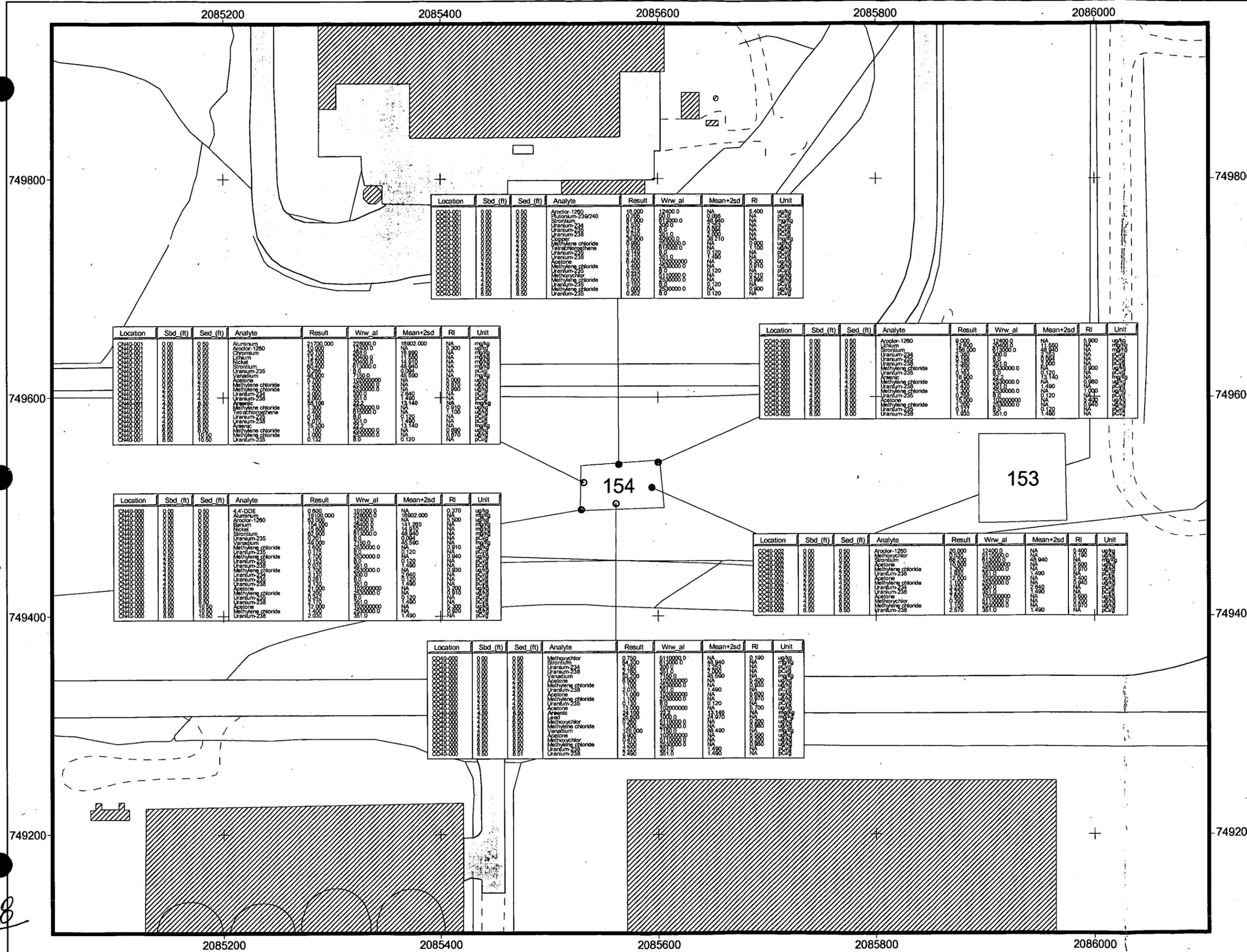


Figure 4
IHSS 900-154
(FY02 through FY04)
Characterization
Surface and Subsurface Soil
Sampling Results Greater than
Background Means Plus
Two Standard Deviations
or RLs

Key

- Location with concentrations greater than WRW ALs
- Location with concentrations greater than background means plus two standard deviations or RLs

- IHSS
- Demolished structure
- Structure
- Asphalt
- Dirt road
- Stream, ditch, or other drainage feature

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 Scale = 1 : 1,000
 State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD 27

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Prepared by: Date: 05-12-05

Prepared for:

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Table 1
IHSS Group 900-2 Accelerated Action Sampling Specifications and Deviations

Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
IHSS 900-153 Accelerated Action Characterization Sampling Locations (includes sampling conducted from FY02 through FY04, and FY05)								
CP40-000	749540.874	2085904.455	749552.946	2085895.226	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location offset approximately 15 ft southeast because of utilities interference; deepest interval shortened because of refusal at 6.5 ft.
CP40-001	749524.341	2085917.340	749524.270	2085917.371	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location; deepest interval shortened because of refusal at 6.5 ft.
CP40-002	749491.678	2085903.785	749491.621	2085903.743	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 9.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location; deepest interval shortened because of refusal at 9.5 ft.
CP40-003	749557.503	2085930.473	749557.488	2085930.715	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 7.7	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location; deepest interval shortened because of refusal at 7.7 ft.
CP40-004	749519.940	2085881.880	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	Pesticides, Radionuclides	Biased sample location outside of IHSS 900-153 boundary.
CP41-000	749586.290	2085908.670	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 5.7	PCBs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 5.7 ft.

Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CP41-001	749614.983	2085886.002	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased sample location outside of IHSS 900-153 boundary.
CP41-002	749619.496	2085923.019	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 9.3	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 9.3 ft.
CP41-RL-01	749586.290	2085908.670	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 5.5	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 5.5 ft.
CQ40-000	749529.641	2085953.144	749529.665	2085953.144	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.0	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location; deepest interval shortened because of refusal at 8.0 ft.
CQ40-001	749495.898	2085939.832	749495.879	2085939.800	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location and intervals.
CQ40-002	749501.550	2085972.931	749501.558	2085973.018	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location; deepest interval shortened because of refusal at 8.5 ft.
CQ40-003	749534.750	2085987.330	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary.

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-000	749562.831	2085967.115	749562.882	2085967.056	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.0	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location; deepest interval shortened because of to refusal at 8.0 ft.
CQ41-001	749591.300	2085944.990	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 5.8	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 5.8 ft.
CQ41-002	749593.772	2085986.649	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 5.6	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 5.6 ft.
CQ41-003	749568.149	2086013.473	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary.
CQ41-004	749626.460	2085992.775	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 8.5 ft.
CQ41-005	749623.017	2085961.189	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary.
CQ41-006	749650.619	2085938.905	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 9.2	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 9.2 ft.

Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-007	749656.983	2085974.516	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary.
CQ41-008	749669.656	2086039.391	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.0 8.0 - 8.5	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 8.5 ft.
CQ41-009	749682.871	2085953.283	N/A	N/A	surface and subsurface soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.0 8.0 - 8.5	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 8.5 ft.
CQ41-010	749690.933	2085987.820	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 9.5	PCBs, VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 9.5 ft.
CQ41-011	749715.766	2085967.146	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased sample location outside of IHSS 900-153 boundary.
CQ41-012	749723.545	2086001.420	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 9.0	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 9.0 ft.

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-013	749718.131	2086046.180	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 8.5 ft.
CQ41-025	749622.993	2085958.013	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.0	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 10.0 ft.
CQ41-026	749591.029	2085941.897	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.0 8.0 - 9.0	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 9.0 ft.
CQ41-028	749576.345	2085957.148	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.0	PCBs, VOCs	Biased sample location collected north of IHSS 900-153 prior to excavation activities.
CQ41-029	749552.979	2085955.183	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.0	PCBs, VOCs	Biased sample location collected within IHSS 900-153 prior to excavation activities.
CQ41-042	749714.028	2085993.528	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.
CQ41-043	749718.8	2085975.221	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.

Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-044	749722.776	2085956.632	NA	NA	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.
CQ41-045	749724.612	2085935.06	NA	NA	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.
CQ41-046	749722.649	2085915.123	NA	NA	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.
CQ41-047	749718.997	2085894.789	NA	NA	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.
CQ41-048	749711.54	2085876.535	NA	NA	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.
CQ41-049	749700.458	2085965.27	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-050	749699.32	2085944.521	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased characterization sample location (1 of 9) added to determine soil conditions near location of Functional Channel 5.
CQ42-000	749819.941	2086005.610	N/A	N/A	Subsurface Soil	0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 9.5	VOCs	Biased sample location outside of IHSS 900-153 boundary. Deepest interval shortened because of refusal at 9.5 ft.
IHSS 900-154 Accelerated Action Characterization Sampling (includes sampling conducted from FY02 through FY04)								
CN40-000	749496.983	2085529.691	749496.959	2085529.733	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location and intervals.
CN40-001	749521.809	2085531.712	749521.796	2085531.803	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location and intervals.
CO40-000	749502.564	2085561.463	749502.478	2085561.469	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 8.51	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location, deepest interval shortened because of refusal at 8.51 ft.

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CO40-001	749538.389	2085564.008	749538.354	2085563.884	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location, deepest interval shortened because of refusal at 8.5 ft.
CO40-002	749517.268	2085594.196	749517.312	2085594.241	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location, deepest interval shortened because of refusal at 8.5 ft.
CO40-003	749540.318	2085600.112	749540.424	2085600.105	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.0	Metals, PCBs, Pesticides, Radionuclides, SVOCs, VOCs	Statistical sample location. No significant difference in location, deepest interval shortened because of refusal at 8.0 ft.
IHSS 900-153 In-Process Sampling Locations (sampling conducted during FY05 excavation activities)								
CQ40-007	749529.160	2085958.230	N/A	N/A	Subsurface Soil	2.0 - 6.0	PCBs, VOCs	Biased in-process sample location to determine the lateral extent of contamination on eastern sidewall of main excavation (south end).
CQ40-008	749529.070	2085948.110	N/A	N/A	Subsurface Soil	2.0 - 6.0	PCBs, VOCs	Biased in-process sample location to determine the lateral extent of contamination on western sidewall of main excavation (southern end).
CQ40-009	749534.320	2085953.360	N/A	N/A	Subsurface Soil	2.0 - 6.0	PCBs, VOCs	Biased in-process sample location to determine the lateral extent of contamination on northern sidewall of main excavation (southern end).
CQ40-010	749529.210	2085953.360	N/A	N/A	Subsurface Soil	7.0 - 7.5	PCBs, VOCs	Biased in-process sample location to determine extent of contamination in bottom of main excavation (southern end).
CQ40-011	749524.200	2085953.120	N/A	N/A	Subsurface Soil	2.0 - 6.0	PCBs, VOCs	Biased in-process sample location to determine the lateral extent of contamination on southern sidewall of main excavation (southern end).

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-030	749542.186	2085946.005	N/A	N/A	Subsurface Soil	3.0 - 3.5	VOCs	Biased in-process sample location (1 of 7) collected on east/west transect perpendicular to direction of main excavation.
CQ41-031	749542.052	2085949.021	N/A	N/A	Subsurface Soil	3.0 - 3.5	VOCs	Biased in-process sample location (1 of 7) collected on east/west transect perpendicular to direction of main excavation.
CQ41-032	749541.759	2085951.799	N/A	N/A	Subsurface Soil	3.0 - 3.5	VOCs	Biased in-process sample location (1 of 7) collected on east/west transect perpendicular to direction of main excavation.
CQ41-033	749541.807	2085954.891	N/A	N/A	Subsurface Soil	3.0 - 3.5	VOCs	Biased in-process sample location (1 of 7) collected on east/west transect perpendicular to direction of main excavation.
CQ41-034	749541.656	2085957.879	N/A	N/A	Subsurface Soil	3.0 - 3.5	VOCs	Biased in-process sample location (1 of 7) collected on east/west transect perpendicular to direction of main excavation.
CQ41-035	749542.253	2085960.854	N/A	N/A	Subsurface Soil	3.0 - 3.5	VOCs	Biased in-process sample location (1 of 7) collected on east/west transect perpendicular to direction of main excavation.
CQ41-036	749541.785	2085963.998	N/A	N/A	Subsurface Soil	3.0 - 3.5	VOCs	Biased in-process sample location (1 of 7) collected on east/west transect perpendicular to direction of main excavation.
CQ41-037	749629.475	2085961.876	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	PCBs, Radionuclides, VOCs	Biased in-process sample location collected within IHSS 900-153 for waste characterization prior to excavation activities.
CQ41-041	749591.534	2085942.259	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5	PCBs, Radionuclides, VOCs	Biased in-process sample location collected from western sidewall of main excavation (mid-northern end).

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-066	749626.205	2085957.208	N/A	N/A	Subsurface Soil	10.0 - 10.5	PCBs, VOCs	Biased in-process sample location collected from center of main excavation (northern end).
CQ41-071	749638.331	2085974.54	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	PCBs, VOCs	Biased in-process sample location collected north of main excavation.
CQ41-073	749638.338	2085984.606	N/A	N/A	Subsurface Soil	4.5 - 6.5 6.5 - 8.5 8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased in-process sample location collected from southern center of the northeast excavation area.
CQ41-074	749639.697	2085992.178	N/A	N/A	Subsurface Soil	8.5 - 10.5 10.5 - 12.5 12.5 - 14.0	VOCs	Biased in-process sample location collected from southern center of the northeast excavation area.
CQ41-078	749628.527	2085986.314	N/A	N/A	Subsurface Soil	8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased in-process sample location collected from southern end of the northeast excavation area.
CQ41-079	749649.194	2085985.236	N/A	N/A	Subsurface Soil	4.0 - 4.5 8.5 - 10.5 10.5 - 11.5 12.5 - 13.5	VOCs	Biased in-process sample location collected from center of the northeast excavation area.
CQ41-083	749659.2	2085992.164	N/A	N/A	Subsurface Soil	2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased in-process sample location collected from center of the northeast excavation area.

Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-085	749669.451	2085992.633	N/A	N/A	Subsurface Soil	2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased in-process sample location collected from center of the northeast excavation area.
CQ41-088	749658.601	2085990.6	N/A	N/A	Subsurface Soil	8.0 - 12.0	PCBs, VOCs	Biased in-process sample location collected from center of the northeast excavation area.
CQ41-090	749652.482	2085975.208	N/A	N/A	Subsurface Soil	8.0 - 12.0	PCBs, VOCs	Biased in-process sample location collected from western side of the northeast excavation area.
CQ41-091	749649.734	2085993.007	N/A	N/A	Subsurface Soil	12.0 - 13.0	PCBs, VOCs	Biased in-process sample location collected from center of the northeast excavation area.
CQ41-096	749655.668	2085988.577	N/A	N/A	Subsurface Soil	13.0 - 14.0	VOCs	Biased in-process sample location collected from eastern side of the northeast excavation area.
IHSS 900-153 Confirmation Sampling Locations. (sampling conducted during FY05 excavation activities)								
CQ40-014	749517.665	2085953.37	N/A	N/A	Subsurface Soil	3.0 - 6.0	PCBs, VOCs	Biased confirmation sample location collected from southern sidewall of main excavation (southern end). Step-out from CQ40-011.
CQ40-015	749526.653	2085943.529	N/A	N/A	Subsurface Soil	3.0 - 6.0	PCBs, VOCs	Biased confirmation sample location collected from western sidewall of main excavation (southern end). Step-out from CQ40-008.
CQ40-016	749527.774	2085963.339	N/A	N/A	Subsurface Soil	3.0 - 6.0	PCBs, VOCs	Biased confirmation sample location collected from eastern sidewall of main excavation (southern end). Step-out from CQ40-007.
CQ40-017	749529.221	2085953.37	N/A	N/A	Subsurface Soil	9.5 - 10.0	Dioxins/Furans, PCBs, VOCs	Biased confirmation sample location collected from center of main excavation (southern end) to determine vertical extent of contamination below CQ40-010..
CQ40-018	749600.311	2085943.325	N/A	N/A	Subsurface Soil	5.0 - 7.0	VOCs	Biased confirmation sample location collected from western sidewall of main excavation.

Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-038	749608.739	2085970.205	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 5.0	PCBs, Radionuclides, VOCs	Biased confirmation sample location collected from western sidewall of main excavation (northern end).
CQ41-039	749608.292	2085943.919	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.0	PCBs, Radionuclides, VOCs	Biased confirmation sample location collected from eastern sidewall of main excavation (northern end).
CQ41-040	749590.937	2085970.092	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5	PCBs, Radionuclides, VOCs	Biased confirmation sample location collected from eastern sidewall of main excavation (mid-northern end).
CQ41-062	749593.965	2085943.255	N/A	N/A	Subsurface Soil	2.0 - 7.0	PCBs, VOCs	Biased confirmation sample location collected from western sidewall of main excavation (mid-northern end).
CQ41-063	749593.179	2085968.774	N/A	N/A	Subsurface Soil	2.0 - 7.0	PCBs, VOCs	Biased confirmation sample location collected from eastern sidewall of main excavation (mid-northern end).
CQ41-064	749593.795	2085956.016	N/A	N/A	Subsurface Soil	10.0 - 10.5	PCBs, VOCs	Biased confirmation sample location collected from center of main excavation (mid-northern end).
CQ41-065	749627.754	2085944.562	N/A	N/A	Subsurface Soil	2.0 - 7.0	PCBs, VOCs	Biased confirmation sample location collected from western sidewall of main excavation (northern end).
CQ41-067	749624.654	2085969.853	N/A	N/A	Subsurface Soil	2.0 - 7.0	PCBs, VOCs	Biased confirmation sample location collected from eastern sidewall of main excavation (northern end).
CQ41-068	749630.18	2085955.848	N/A	N/A	Subsurface Soil	2.0 - 7.0	PCBs, VOCs	Biased confirmation sample location collected from northern sidewall of main excavation (northern end).

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-069	749640.176	2085957.678	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased confirmation sample location collected north of main excavation.
CQ41-070	749640.972	2085942.98	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5	VOCs	Biased confirmation sample location collected north of main excavation.
CQ41-072	749648.373	2085974.52	N/A	N/A	Surface and Subsurface Soil	0.0 - 0.5 0.5 - 2.5 2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5 10.5 - 12.5 12.5 - 14.5 14.5 - 16.5	VOCs	Biased confirmation sample location collected from western side of the northeast excavation area.
CQ41-075	749607.641	2085955.582	N/A	N/A	Subsurface Soil	11.0 - 12.0	PCBs, VOCs	Biased confirmation sample location collected from center of main excavation (mid-northern area).
CQ41-076	749628.95	2085956.973	N/A	N/A	Subsurface Soil	15.0 - 16.0	PCBs, VOCs	Biased confirmation sample location collected from center of main excavation (northern end).
CQ41-080	749648.464	2085958.505	N/A	N/A	Subsurface Soil	8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased confirmation sample location collected from western side of the northeast excavation area.
CQ41-081	749632.077	2086013.99	N/A	N/A	Subsurface Soil	8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased confirmation sample location collected from eastern side of the northeast excavation area.

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Location	Actual Northing	Actual Easting	Planned Northing	Planned Easting	Media	Depth Interval (ft)	Analytes	Comments/Deviations
CQ41-082	749659.17	2085985.266	N/A	N/A	Subsurface Soil	2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased confirmation sample location collected from western side of the northeast excavation area.
CQ41-084	749639.669	2086014.018	N/A	N/A	Subsurface Soil	2.5 - 4.5 4.5 - 6.5 6.5 - 8.5 8.5 - 10.5 10.5 - 12.5 12.5 - 14.5	VOCs	Biased confirmation sample location collected from eastern side of the northeast excavation area.
CQ41-087	749593.692	2085933.338	N/A	N/A	Subsurface Soil	0.0 - 10.0	PCBs, VOCs	Biased confirmation sample location collected from western edge of main excavation.
CQ41-089	749646.986	2086010.806	N/A	N/A	Subsurface Soil	8.0 - 12.0	PCBs, VOCs	Biased confirmation sample location collected from eastern side of the northeast excavation area.
CQ41-093	749628.962	2085985.094	N/A	N/A	Subsurface Soil	8.0 - 12.0	PCBs, VOCs	Biased confirmation sample location collected from southern end of the northeast excavation area.
CQ41-094	749682.374	2085992.061	N/A	N/A	Subsurface Soil	8.0 - 14.0	PCBs, VOCs	Biased confirmation sample location collected from center of the northeast excavation area.
CQ41-095	749666.916	2085991.439	N/A	N/A	Subsurface Soil	13.0 - 14.0	VOCs	Biased confirmation sample location collected from northern end of the northeast excavation area.
CQ41-097	749655.668	2085988.577	N/A	N/A	Subsurface Soil	15.0 - 16.0	PCBs, VOCs	Biased confirmation sample location collected from center of the northeast excavation area.

Table 2
IHSS Group 900-2
Accelerated Action Characterization, In-Process, and Confirmation
Soil Sampling and Analysis Summary

Category	Planned Total	Actual Total
Number of Sampling Locations	14	102
Number of Samples	84	369
Number of Dioxin/Furan Analyses	N/A	1
Number of Metals Analyses	84	69
Number of PCB Analyses	84	173
Number of Pesticide Analyses	84	79
Number of Radionuclide Analyses	84	125
Number of SVOC Analyses	84	68
Number of VOC Analyses	70	339

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Table 3
IHSS Group 900-2 Accelerated Action Characterization, In-Process, and Confirmation
Results Greater Than Background Means Plus Two Standard Deviations or RLs

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
IHSS 900-153 Accelerated Action Characterization Sampling Locations (includes sampling conducted from FY02 through FY04, and FY05)										
4545CP40-000	749540.87	2085904.5	0.00	0.50	Aroclor-1254	340.000	12400	-	6.400	ug/kg
CP40-000	749540.87	2085904.5	0.00	0.50	Dieldrin	11.000	1720	-	0.570	ug/kg
CP40-000	749540.87	2085904.5	0.00	0.50	Endosulfan I	3.900	4420000	-	0.400	ug/kg
CP40-000	749540.87	2085904.5	0.00	0.50	Manganese	457.000	3480	365.080	-	mg/kg
CP40-000	749540.87	2085904.5	0.00	0.50	Methoxychlor	0.280	5110000	-	0.180	ug/kg
CP40-000	749540.87	2085904.5	0.00	0.50	Uranium-238	2.070	351	2.000	-	pCi/g
CP40-000	749540.87	2085904.5	0.50	2.50	Aroclor-1254	11.000	12400	-	6.600	ug/kg
CP40-000	749540.87	2085904.5	0.50	2.50	Methylene chloride	1.800	2530000	-	0.890	ug/kg
CP40-000	749540.87	2085904.5	0.50	2.50	Uranium-235	0.220	8	0.120	-	pCi/g
CP40-000	749540.87	2085904.5	0.50	2.50	Uranium-238	2.210	351	1.490	-	pCi/g
CP40-000	749540.87	2085904.5	2.50	4.50	Methylene chloride	1.600	2530000	-	0.850	ug/kg
CP40-000	749540.87	2085904.5	2.50	4.50	Uranium-235	0.178	8	0.120	-	pCi/g
CP40-000	749540.87	2085904.5	2.50	4.50	Uranium-238	2.270	351	1.490	-	pCi/g
CP40-000	749540.87	2085904.5	4.50	6.50	Methylene chloride	1.900	2530000	-	0.930	ug/kg
CP40-000	749540.87	2085904.5	4.50	6.50	Uranium-238	2.330	351	1.490	-	pCi/g
CP40-001	749524.34	2085917.3	0.00	0.50	Aroclor-1254	16.000	12400	-	4.600	ug/kg
CP40-001	749524.34	2085917.3	0.00	0.50	Di-n-octylphthalate	150.000	14700000	-	40.000	ug/kg
CP40-001	749524.34	2085917.3	0.00	0.50	Uranium-234	3.000	300	2.253	-	pCi/g
CP40-001	749524.34	2085917.3	0.00	0.50	Uranium-238	3.000	351	2.000	-	pCi/g
CP40-001	749524.34	2085917.3	0.50	2.50	4,4'-DDE	1.100	101000	-	0.370	ug/kg
CP40-001	749524.34	2085917.3	0.50	2.50	4,4'-DDT	0.790	100000	-	0.380	ug/kg
CP40-001	749524.34	2085917.3	0.50	2.50	Acetone	7.500	102000000	-	5.200	ug/kg
CP40-001	749524.34	2085917.3	0.50	2.50	Aroclor-1254	180.000	12400	-	4.900	ug/kg
CP40-001	749524.34	2085917.3	0.50	2.50	Aroclor-1260	51.000	12400	-	5.500	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CP40-001	749524.34	2085917.3	0.50	2.50	Dieldrin	1.400	1720	-	0.620	ng/kg
CP40-001	749524.34	2085917.3	0.50	2.50	Endrin	2.800	221000	-	0.430	ng/kg
CP40-001	749524.34	2085917.3	0.50	2.50	Uranium-234	4.130	300	2.640	-	pCi/g
CP40-001	749524.34	2085917.3	0.50	2.50	Uranium-238	4.130	351	1.490	-	pCi/g
CP40-001	749524.34	2085917.3	2.50	4.50	Acetone	8.200	102000000	-	4.800	ng/kg
CP40-001	749524.34	2085917.3	2.50	4.50	Uranium-234	4.000	300	2.640	-	pCi/g
CP40-001	749524.34	2085917.3	2.50	4.50	Uranium-235	0.200	8	0.120	-	pCi/g
CP40-001	749524.34	2085917.3	2.50	4.50	Uranium-238	4.000	351	1.490	-	pCi/g
CP40-001	749524.34	2085917.3	4.50	6.50	Uranium-238	4.000	300	2.640	-	pCi/g
CP40-001	749524.34	2085917.3	4.50	6.50	Uranium-235	0.200	8	0.120	-	pCi/g
CP40-001	749524.34	2085917.3	4.50	6.50	Acetone	9.400	102000000	-	5.000	ng/kg
CP40-001	749524.34	2085917.3	4.50	6.50	Uranium-234	4.000	300	2.640	-	pCi/g
CP40-002	749491.68	2085903.8	0.00	0.50	Pyrene	61.000	22100000	-	46.000	ng/kg
CP40-002	749491.68	2085903.8	0.00	0.50	Strontium	49.800	613000	48.940	-	mg/kg
CP40-002	749491.68	2085903.8	0.00	0.50	Uranium-238	2.120	351	2.000	-	pCi/g
CP40-002	749491.68	2085903.8	0.00	0.50	Zinc	152.000	307000	73.760	-	mg/kg
CP40-002	749491.68	2085903.8	0.50	2.50	Acetone	5.900	102000000	-	5.000	ng/kg
CP40-002	749491.68	2085903.8	0.50	2.50	Naphthalene	4.900	3090000	-	0.930	ng/kg
CP40-002	749491.68	2085903.8	0.50	2.50	Acetone	5.500	102000000	-	5.300	ng/kg
CP40-002	749491.68	2085903.8	0.50	2.50	Naphthalene	5.200	3090000	-	0.990	ng/kg
CP40-002	749491.68	2085903.8	2.50	4.50	Uranium-235	0.211	8	0.120	-	pCi/g
CP40-002	749491.68	2085903.8	2.50	4.50	1,2-Dichloroethane	2.200	106000	-	1.200	ng/kg
CP40-002	749491.68	2085903.8	4.50	6.50	Naphthalene	5.300	3090000	-	1.000	ng/kg
CP40-002	749491.68	2085903.8	4.50	6.50	Uranium-235	0.189	8	0.120	-	pCi/g
CP40-002	749491.68	2085903.8	6.50	8.50	Methylene chloride	1.200	2530000	-	0.910	ng/kg
CP40-002	749491.68	2085903.8	6.50	8.50	Uranium-238	2.310	351	1.490	-	pCi/g
CP40-002	749491.68	2085903.8	6.50	8.50	Methylene chloride	1.100	2530000	-	0.850	ng/kg
CP40-002	749491.68	2085903.8	8.50	9.50	Uranium-234	3.080	300	2.640	-	pCi/g
CP40-002	749491.68	2085903.8	8.50	9.50	Uranium-235	0.239	8	0.120	-	pCi/g

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CP40-002	749491.68	2085903.8	8.50	9.50	Uranium-238	3.080	351	1.490	-	pCi/g
CP40-003	749557.5	2085930.5	0.00	0.50	Aroclor-1254	2500.000	12400	-	67.000	ug/kg
CP40-003	749557.5	2085930.5	0.00	0.50	Uranium-235	0.193	8	0.094	-	pCi/g
CP40-003	749557.5	2085930.5	0.50	2.50	1,1,1-Trichloroethane	28.000	79700000	-	24.000	ug/kg
CP40-003	749557.5	2085930.5	0.50	2.50	Acetone	590.000	102000000	-	300.000	ug/kg
CP40-003	749557.5	2085930.5	0.50	2.50	Aroclor-1254	5800.000	12400	-	700.000	ug/kg
CP40-003	749557.5	2085930.5	0.50	2.50	Carbon Disulfide	27.000	15100000	-	24.000	ug/kg
CP40-003	749557.5	2085930.5	0.50	2.50	Tetrachloroethene	2500.000	615000	-	50.000	ug/kg
CP40-003	749557.5	2085930.5	0.50	2.50	Trichloroethene	35.000	19600	-	30.000	ug/kg
CP40-003	749557.5	2085930.5	2.50	4.50	1,1,1-Trichloroethane	1100.000	79700000	-	210.000	ug/kg
CP40-003	749557.5	2085930.5	2.50	4.50	2-Methylnaphthalene	150.000	20400000	-	63.000	ug/kg
CP40-003	749557.5	2085930.5	2.50	4.50	Aroclor-1254	4000.000	12400	-	650.000	ug/kg
CP40-003	749557.5	2085930.5	2.50	4.50	bis(2-Ethylhexyl)phthalate	130.000	1970000	-	74.000	ug/kg
CP40-003	749557.5	2085930.5	2.50	4.50	Tetrachloroethene	99000.000	615000	-	450.000	ug/kg
CP40-003	749557.5	2085930.5	2.50	4.50	Trichloroethene	2600.000	19600	-	270.000	ug/kg
CP40-003	749557.5	2085930.5	2.50	4.50	Uranium-234	2.870	300	2.640	-	pCi/g
CP40-003	749557.5	2085930.5	2.50	4.50	Uranium-235	0.233	8	0.120	-	pCi/g
CP40-003	749557.5	2085930.5	2.50	4.50	Uranium-238	2.870	351	1.490	-	pCi/g
CP40-003	749557.5	2085930.5	4.50	6.50	1,1,1-Trichloroethane	78.000	79700000	-	25.000	ug/kg
CP40-003	749557.5	2085930.5	4.50	6.50	1,2-Dichloroethane	35.000	106000	-	26.000	ug/kg
CP40-003	749557.5	2085930.5	4.50	6.50	4-Methyl-2-pentanone	850.000	16400000	-	86.000	ug/kg
CP40-003	749557.5	2085930.5	4.50	6.50	Acetone	17000.000	102000000	-	310.000	ug/kg
CP40-003	749557.5	2085930.5	4.50	6.50	Aroclor-1254	110.000	12400	-	7.300	ug/kg
CP40-003	749557.5	2085930.5	4.50	6.50	Arsenic	14.900	22.2	13.140	-	mg/kg
CP40-003	749557.5	2085930.5	4.50	6.50	Tetrachloroethene	11000.000	615000	-	52.000	ug/kg
CP40-003	749557.5	2085930.5	4.50	6.50	Trichloroethene	150.000	19600	-	32.000	ug/kg
CP40-003	749557.5	2085930.5	4.50	6.50	Uranium-235	0.147	8	0.120	-	pCi/g
CP40-003	749557.5	2085930.5	4.50	6.50	Uranium-238	1.760	351	1.490	-	pCi/g
CP40-003	749557.5	2085930.5	4.50	6.50	Vanadium	92.400	7150	88.490	-	mg/kg
CP40-003	749557.5	2085930.5	6.50	7.70	1,1,1-Trichloroethane	2100.000	79700000	-	120.000	ug/kg

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CP40-003	749557.5	2085930.5	6.50	7.70	Acetone	9000.000	102000000	-	1500.000	ug/kg
CP40-003	749557.5	2085930.5	6.50	7.70	Aroclor-1254	10000.000	12400	-	720.000	ug/kg
CP40-003	749557.5	2085930.5	6.50	7.70	Aroclor-1260	1200.000	12400	-	570.000	ug/kg
CP40-003	749557.5	2085930.5	6.50	7.70	Tetrachloroethene	54000.000	615000	-	260.000	ug/kg
CP40-003	749557.5	2085930.5	6.50	7.70	Toluene	350.000	31300000	-	220.000	ug/kg
CP40-003	749557.5	2085930.5	6.50	7.70	Trichloroethene	5100.000	19600	-	160.000	ug/kg
CP40-003	749557.5	2085930.5	6.50	7.70	Uranium-238	1.910	351	1.490	-	pCi/g
CP41-000	749586.29	2085908.7	2.50	4.50	Aroclor-1254	27.000	12400	-	4.600	ug/kg
CP41-000	749586.29	2085908.7	4.50	5.70	Aroclor-1254	37.000	12400	-	4.900	ug/kg
CP41-001	749614.98	2085886	8.50	10.50	Carbon Tetrachloride	11.000	81500	-	6.000	ug/kg
CP41-001	749614.98	2085886	8.50	10.50	Trichloroethene	6.300	19600	-	6.000	ug/kg
CP41-002	749619.5	2085923	0.50	2.50	Aroclor-1254	290.000	12400	-	5.000	ug/kg
CP41-002	749619.5	2085923	0.50	2.50	Aroclor-1260	53.000	12400	-	5.600	ug/kg
CP41-RL-01	749586.29	2085908.7	2.50	4.50	1,1,1-Trichloroethane	170.000	79700000	-	5.200	ug/kg
CP41-RL-01	749586.29	2085908.7	2.50	4.50	1,1-Dichloroethene	23.000	17000	-	5.200	ug/kg
CP41-RL-01	749586.29	2085908.7	2.50	4.50	Tetrachloroethene	120.000	615000	-	10.000	ug/kg
CP41-RL-01	749586.29	2085908.7	2.50	4.50	Trichloroethene	210.000	19600	-	5.200	ug/kg
CP41-RL-01	749586.29	2085908.7	4.50	5.50	1,1,1-Trichloroethane	12.000	79700000	-	5.600	ug/kg
CP41-RL-01	749586.29	2085908.7	4.50	5.50	Tetrachloroethene	14.000	615000	-	5.600	ug/kg
CP41-RL-01	749586.29	2085908.7	4.50	5.50	Trichloroethene	12.000	19600	-	5.600	ug/kg
CP41-RL-01	749529.64	2085953.1	0.00	0.50	Arsenic	11.000	22.2	10.090	-	mg/kg
CP41-RL-01	749529.64	2085953.1	0.00	0.50	Uranium-234	3.220	300	2.253	-	pCi/g
CP41-RL-01	749529.64	2085953.1	0.00	0.50	Uranium-238	3.220	351	2.000	-	pCi/g
CQ40-000	749529.64	2085953.1	0.50	2.50	1,1,1-Trichloroethane	27.000	79700000	-	1.100	ug/kg
CQ40-000	749529.64	2085953.1	0.50	2.50	1,2,4-Trichlorobenzene	3.000	9230000	-	0.810	ug/kg
CQ40-000	749529.64	2085953.1	0.50	2.50	1,2-Dichloroethane	2.100	106000	-	1.100	ug/kg
CQ40-000	749529.64	2085953.1	0.50	2.50	Aroclor-1254	640.000	12400	-	37.000	ug/kg
CQ40-000	749529.64	2085953.1	0.50	2.50	Chloroform	120.000	19200	-	1.000	ug/kg
CQ40-000	749529.64	2085953.1	0.50	2.50	Methylene chloride	1.200	2530000	-	0.910	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ40-000	749529.64	2085953.1	0.50	2.50	Tetrachloroethene	81.000	615000	-	5.700	ug/kg
CQ40-000	749529.64	2085953.1	0.50	2.50	Trichloroethene	86.000	19600	-	0.990	ug/kg
CQ40-000	749529.64	2085953.1	0.50	2.50	Uranium-235	0.223	8	0.120	-	pCi/g
CQ40-000	749529.64	2085953.1	2.50	4.50	1,2,4-Trichlorobenzene	8.000	9230000	-	0.810	ug/kg
CQ40-000	749529.64	2085953.1	2.50	4.50	1,2-Dichloroethane	4.100	106000	-	1.100	ug/kg
CQ40-000	749529.64	2085953.1	2.50	4.50	Aroclor-1254	3500.000	12400	-	340.000	ug/kg
CQ40-000	749529.64	2085953.1	2.50	4.50	Chloroform	2.300	19200	-	1.000	ug/kg
CQ40-000	749529.64	2085953.1	2.50	4.50	Methylene chloride	1.000	2530000	-	0.920	ug/kg
CQ40-000	749529.64	2085953.1	2.50	4.50	Tetrachloroethene	5.300	615000	-	1.100	ug/kg
CQ40-000	749529.64	2085953.1	2.50	4.50	Trichloroethene	1.200	19600	-	1.000	ug/kg
CQ40-000	749529.64	2085953.1	2.50	4.50	Uranium-234	2.900	300	2.640	-	pCi/g
CQ40-000	749529.64	2085953.1	2.50	4.50	Uranium-238	2.900	351	1.490	-	pCi/g
CQ40-000	749529.64	2085953.1	4.50	6.50	1,2,4-Trichlorobenzene	42.000	9230000	-	0.790	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	1,2-Dichloroethane	1.700	106000	-	1.100	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	Aroclor-1254	20000.000	12400	-	650.000	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	Aroclor-1260	22000.000	12400	-	510.000	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	bis(2-Ethylhexyl)phthalate	390.000	1970000	-	73.000	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	Chloroform	16.000	19200	-	1.000	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	Naphthalene	5.100	3090000	-	0.960	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	Tetrachloroethene	70.000	615000	-	1.100	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	Trichloroethene	6.800	19600	-	0.970	ug/kg
CQ40-000	749529.64	2085953.1	4.50	6.50	Uranium-235	0.246	8	0.120	-	pCi/g
CQ40-000	749529.64	2085953.1	4.50	6.50	Uranium-238	2.470	351	1.490	-	pCi/g
CQ40-000	749529.64	2085953.1	6.50	8.00	1,2,4-Trichlorobenzene	1300.000	9230000	-	26.000	ug/kg
CQ40-000	749529.64	2085953.1	6.50	8.00	Acetone	680.000	102000000	-	410.000	ug/kg
CQ40-000	749529.64	2085953.1	6.50	8.00	Aroclor-1254	2500.000	12400	-	340.000	ug/kg
CQ40-000	749529.64	2085953.1	6.50	8.00	Aroclor-1260	2800.000	12400	-	270.000	ug/kg
CQ40-000	749529.64	2085953.1	6.50	8.00	Chloroform	34.000	19200	-	32.000	ug/kg
CQ40-000	749529.64	2085953.1	6.50	8.00	n-Nitrosodipropylamine	450.000	5470	-	97.000	ug/kg
CQ40-000	749529.64	2085953.1	6.50	8.00	Tetrachloroethene	2100.000	615000	-	33.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ40-000	749529.64	2085953.1	6.50	8.00	Trichloroethene	51.000	19600	-	33.000	ug/kg
CQ40-001	749495.9	2085939.8	0.00	0.50	4,4'-DDE	1.400	101000	-	0.340	ug/kg
CQ40-001	749495.9	2085939.8	0.00	0.50	Aldrin	0.590	1620	-	0.410	ug/kg
CQ40-001	749495.9	2085939.8	0.00	0.50	Americium-241	0.129	76	0.023	-	pCi/g
CQ40-001	749495.9	2085939.8	0.00	0.50	Aroclor-1254	190.000	12400	-	4.600	ug/kg
CQ40-001	749495.9	2085939.8	0.00	0.50	Aroclor-1260	74.000	12400	-	5.100	ug/kg
CQ40-001	749495.9	2085939.8	0.00	0.50	Dieldrin	1.800	1720	-	0.570	ug/kg
CQ40-001	749495.9	2085939.8	0.00	0.50	Endrin	2.400	221000	-	0.400	ug/kg
CQ40-001	749495.9	2085939.8	0.00	0.50	Plutonium-239/240	0.468	50	0.066	-	pCi/g
CQ40-001	749495.9	2085939.8	0.00	0.50	Uranium-234	5.060	300	2.253	-	pCi/g
CQ40-001	749495.9	2085939.8	0.00	0.50	Uranium-235	0.300	8	0.094	-	pCi/g
CQ40-001	749495.9	2085939.8	0.00	0.50	Uranium-238	5.060	351	2.000	-	pCi/g
CQ40-001	749495.9	2085939.8	0.00	0.50	Zinc	266.000	307000	73.760	-	mg/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	4,4'-DDE	2.500	101000	-	0.350	ug/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	Acetone	5.900	102000000	-	4.900	ug/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	Aroclor-1254	310.000	12400	-	4.800	ug/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	Aroclor-1260	120.000	12400	-	5.300	ug/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	Dieldrin	3.200	1720	-	0.600	ug/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	Endosulfan II	0.910	4420000	-	0.730	ug/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	Endrin	4.500	221000	-	0.420	ug/kg
CQ40-001	749495.9	2085939.8	0.50	2.50	Uranium-234	3.000	300	2.640	-	pCi/g
CQ40-001	749495.9	2085939.8	0.50	2.50	Uranium-235	0.200	8	0.120	-	pCi/g
CQ40-001	749495.9	2085939.8	0.50	2.50	Uranium-238	3.000	351	1.490	-	pCi/g
CQ40-001	749495.9	2085939.8	2.50	4.50	Acetone	7.900	102000000	-	5.000	ug/kg
CQ40-001	749495.9	2085939.8	2.50	4.50	Uranium-234	3.000	300	2.640	-	pCi/g
CQ40-001	749495.9	2085939.8	2.50	4.50	Uranium-235	0.200	8	0.120	-	pCi/g
CQ40-001	749495.9	2085939.8	2.50	4.50	Uranium-238	3.000	351	1.490	-	pCi/g
CQ40-001	749495.9	2085939.8	4.50	6.50	Acetone	6.900	102000000	-	4.800	ug/kg
CQ40-001	749495.9	2085939.8	4.50	6.50	Uranium-234	5.000	300	2.640	-	pCi/g
CQ40-001	749495.9	2085939.8	4.50	6.50	Uranium-235	0.218	8	0.120	-	pCi/g

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW-AL	Background Mean Plus 2 SD	RL	Unit
CQ40-001	749495.9	2085939.8	4.50	6.50	Uranium-238	5.000	351	1.490	-	pCi/g
CQ40-001	749495.9	2085939.8	6.50	8.50	Acetone	5.200	102000000	-	5.200	ug/kg
CQ40-001	749495.9	2085939.8	6.50	8.50	Uranium-234	5.000	300	2.640	-	pCi/g
CQ40-001	749495.9	2085939.8	6.50	8.50	Uranium-235	0.200	8	0.120	-	pCi/g
CQ40-001	749495.9	2085939.8	6.50	8.50	Uranium-238	5.000	351	1.490	-	pCi/g
CQ40-001	749495.9	2085939.8	8.50	10.50	Acetone	5.400	102000000	-	5.000	ug/kg
CQ40-001	749495.9	2085939.8	8.50	10.50	Uranium-234	3.000	300	2.640	-	pCi/g
CQ40-001	749495.9	2085939.8	8.50	10.50	Uranium-238	3.000	351	1.490	-	pCi/g
CQ40-002	749501.55	2085972.9	0.00	0.50	4,4'-DDE	1.500	101000	-	0.340	ug/kg
CQ40-002	749501.55	2085972.9	0.00	0.50	Aroclor-1254	160.000	12400	-	4.500	ug/kg
CQ40-002	749501.55	2085972.9	0.00	0.50	Aroclor-1260	65.000	12400	-	5.000	ug/kg
CQ40-002	749501.55	2085972.9	0.00	0.50	Dieldrin	1.800	1720	-	0.570	ug/kg
CQ40-002	749501.55	2085972.9	0.00	0.50	Endosulfan II	0.700	4420000	-	0.690	ug/kg
CQ40-002	749501.55	2085972.9	0.00	0.50	Endrin	2.800	221000	-	0.400	ug/kg
CQ40-002	749501.55	2085972.9	0.00	0.50	Strontium	51.000	613000	48.940	-	mg/kg
CQ40-002	749501.55	2085972.9	0.00	0.50	Uranium-235	0.188	8	0.094	-	pCi/g
CQ40-002	749501.55	2085972.9	0.00	0.50	Zinc	136.000	307000	73.760	-	mg/kg
CQ40-002	749501.55	2085972.9	0.50	2.50	Acetone	7.000	102000000	-	5.300	ug/kg
CQ40-002	749501.55	2085972.9	0.50	2.50	Uranium-238	1.690	351	1.490	-	pCi/g
CQ40-002	749501.55	2085972.9	2.50	4.50	Aroclor-1254	7.000	12400	-	5.100	ug/kg
CQ40-002	749501.55	2085972.9	4.50	6.50	Acetone	11.000	102000000	-	5.300	ug/kg
CQ40-002	749501.55	2085972.9	4.50	6.50	Uranium-235	0.151	8	0.120	-	pCi/g
CQ40-002	749501.55	2085972.9	6.50	8.50	Acetone	7.300	102000000	-	5.000	ug/kg
CQ40-002	749501.55	2085972.9	6.50	8.50	Uranium-235	0.131	8	0.120	-	pCi/g
CQ40-003	749534.75	2085987.3	0.50	2.50	Aroclor-1254	980.000	12400	-	23.000	ug/kg
CQ40-003	749534.75	2085987.3	0.50	2.50	Aroclor-1260	210.000	12400	-	26.000	ug/kg
CQ40-003	749534.75	2085987.3	0.50	2.50	Xylene	33.000	2040000	-	11.000	ug/kg
CQ40-003	749534.75	2085987.3	2.50	4.50	Aroclor-1254	3900.000	12400	-	470.000	ug/kg
CQ40-003	749534.75	2085987.3	2.50	4.50	Aroclor-1260	2500.000	12400	-	520.000	ug/kg
CQ40-003	749534.75	2085987.3	4.50	6.50	Aroclor-1254	6900.000	12400	-	240.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ40-003	749534.75	2085987.3	4.50	6.50	Tetrachloroethene	14.000	615000	-	5.600	ug/kg
CQ41-000	749562.83	2085967.1	0.00	0.50	Aroclor-1254	8.200	12400	-	6.900	ug/kg
CQ41-000	749562.83	2085967.1	0.00	0.50	Nickel	16.200	20400	14.910	-	mg/kg
CQ41-000	749562.83	2085967.1	0.00	0.50	Strontium	50.600	613000	48.940	-	mg/kg
CQ41-000	749562.83	2085967.1	0.00	0.50	Uranium-234	5.790	300	2.253	-	pCi/g
CQ41-000	749562.83	2085967.1	0.00	0.50	Uranium-238	5.790	351	2.000	-	pCi/g
CQ41-000	749562.83	2085967.1	0.50	2.50	1,2-Dichloroethane	2.600	106000	-	1.100	ug/kg
CQ41-000	749562.83	2085967.1	0.50	2.50	Aroclor-1254	6.700	12400	-	6.400	ug/kg
CQ41-000	749562.83	2085967.1	0.50	2.50	Methylene chloride	1.700	2530000	-	0.850	ug/kg
CQ41-000	749562.83	2085967.1	0.50	2.50	Uranium-235	0.250	8	0.120	-	pCi/g
CQ41-000	749562.83	2085967.1	0.50	2.50	Uranium-238	2.510	351	1.490	-	pCi/g
CQ41-000	749562.83	2085967.1	2.50	4.50	1,2-Dichloroethane	4.300	106000	-	1.100	ug/kg
CQ41-000	749562.83	2085967.1	2.50	4.50	Methylene chloride	2.100	2530000	-	0.860	ug/kg
CQ41-000	749562.83	2085967.1	2.50	4.50	Uranium-234	2.840	300	2.640	-	pCi/g
CQ41-000	749562.83	2085967.1	2.50	4.50	Uranium-238	2.840	351	1.490	-	pCi/g
CQ41-000	749562.83	2085967.1	4.50	6.50	1,1,1-Trichloroethane	100.000	79700000	-	22.000	ug/kg
CQ41-000	749562.83	2085967.1	4.50	6.50	Acetone	730.000	102000000	-	280.000	ug/kg
CQ41-000	749562.83	2085967.1	4.50	6.50	Chloroform	270.000	19200	-	22.000	ug/kg
CQ41-000	749562.83	2085967.1	4.50	6.50	Tetrachloroethene	240.000	615000	-	47.000	ug/kg
CQ41-000	749562.83	2085967.1	4.50	6.50	Trichloroethene	260.000	19600	-	29.000	ug/kg
CQ41-000	749562.83	2085967.1	4.50	6.50	Uranium-234	5.160	300	2.640	-	pCi/g
CQ41-000	749562.83	2085967.1	4.50	6.50	Uranium-238	5.160	351	1.490	-	pCi/g
CQ41-000	749562.83	2085967.1	6.50	8.00	1,2,4-Trichlorobenzene	2000.000	9230000	-	21.000	ug/kg
CQ41-000	749562.83	2085967.1	6.50	8.00	Aroclor-1254	9000.000	12400	-	630.000	ug/kg
CQ41-000	749562.83	2085967.1	6.50	8.00	Aroclor-1260	9600.000	12400	-	500.000	ug/kg
CQ41-000	749562.83	2085967.1	6.50	8.00	bis(2-Ethylhexyl)phthalate	82.000	1970000	-	74.000	ug/kg
CQ41-000	749562.83	2085967.1	6.50	8.00	Methylene chloride	15.000	2530000	-	4.200	ug/kg
CQ41-000	749562.83	2085967.1	6.50	8.00	Naphthalene	43.000	3090000	-	4.500	ug/kg
CQ41-000	749562.83	2085967.1	6.50	8.00	Tetrachloroethene	7.900	615000	-	5.200	ug/kg
CQ41-000	749562.83	2085967.1	6.50	8.00	Uranium-235	0.165	8	0.120	-	pCi/g

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-000	749562.83	2085967.1	6.50	8.00	Uranium-238	1.520	351	1.490	-	pCi/g
CQ41-001	749591.3	2085945	0.50	2.50	Aroclor-1254	11000.000	12400	-	270.000	ug/kg
CQ41-001	749591.3	2085945	0.50	2.50	Aroclor-1260	3500.000	12400	-	300.000	ug/kg
CQ41-001	749591.3	2085945	0.50	2.50	Tetrachloroethene	190000.000	615000	-	15000.000	ug/kg
CQ41-001	749591.3	2085945	2.50	4.50	Aroclor-1254	9000.000	12400	-	260.000	ug/kg
CQ41-001	749591.3	2085945	2.50	4.50	Aroclor-1260	3500.000	12400	-	290.000	ug/kg
CQ41-001	749591.3	2085945	2.50	4.50	Tetrachloroethene	850000.000	615000	-	29000.000	ug/kg
CQ41-001	749591.3	2085945	4.50	5.80	Aroclor-1254	9300.000	12400	-	230.000	ug/kg
CQ41-001	749591.3	2085945	4.50	5.80	Aroclor-1260	3500.000	12400	-	250.000	ug/kg
CQ41-001	749591.3	2085945	4.50	5.80	Tetrachloroethene	28000.000	615000	-	11000.000	ug/kg
CQ41-002	749593.77	2085986.6	0.50	2.50	Aroclor-1254	1200.000	12400	-	22.000	ug/kg
CQ41-002	749593.77	2085986.6	0.50	2.50	Aroclor-1260	450.000	12400	-	25.000	ug/kg
CQ41-002	749593.77	2085986.6	2.50	4.50	Aroclor-1254	8.000	12400	-	5.200	ug/kg
CQ41-002	749593.77	2085986.6	4.50	5.60	Aroclor-1254	15.000	12400	-	5.000	ug/kg
CQ41-003	749568.15	2086013.5	0.50	2.50	Aroclor-1254	2400.000	12400	-	44.000	ug/kg
CQ41-003	749568.15	2086013.5	0.50	2.50	Aroclor-1260	250.000	12400	-	50.000	ug/kg
CQ41-003	749568.15	2086013.5	2.50	4.50	Aroclor-1254	840.000	12400	-	24.000	ug/kg
CQ41-003	749568.15	2086013.5	2.50	4.50	Aroclor-1260	91.000	12400	-	27.000	ug/kg
CQ41-003	749568.15	2086013.5	4.50	6.50	Aroclor-1254	360.000	12400	-	25.000	ug/kg
CQ41-003	749568.15	2086013.5	6.50	8.50	Aroclor-1254	140.000	12400	-	5.500	ug/kg
CQ41-003	749568.15	2086013.5	6.50	8.50	Tetrachloroethene	16.000	615000	-	6.800	ug/kg
CQ41-003	749568.15	2086013.5	8.50	10.50	Tetrachloroethene	2000.000	615000	-	16.000	ug/kg
CQ41-004	749626.46	2085992.8	0.50	2.50	Aroclor-1254	2900.000	12400	-	47.000	ug/kg
CQ41-004	749626.46	2085992.8	0.50	2.50	Aroclor-1260	270.000	12400	-	52.000	ug/kg
CQ41-004	749626.46	2085992.8	0.50	2.50	Tetrachloroethene	66.000	615000	-	27.000	ug/kg
CQ41-004	749626.46	2085992.8	2.50	4.50	Aroclor-1254	3600.000	12400	-	49.000	ug/kg
CQ41-004	749626.46	2085992.8	2.50	4.50	Aroclor-1260	1500.000	12400	-	54.000	ug/kg
CQ41-004	749626.46	2085992.8	2.50	4.50	Tetrachloroethene	440.000	615000	-	290.000	ug/kg
CQ41-004	749626.46	2085992.8	4.50	6.50	Aroclor-1254	780.000	12400	-	25.000	ug/kg
CQ41-004	749626.46	2085992.8	4.50	6.50	Aroclor-1260	85.000	12400	-	28.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-004	749626.46	2085992.8	6.50	8.50	Aroclor-1254	97.000	12400	-	5.200	ug/kg
CQ41-004	749626.46	2085992.8	6.50	8.50	Aroclor-1260	43.000	12400	-	5.800	ug/kg
CQ41-005	749623.02	2085961.2	0.50	2.50	1,1,1-Trichloroethane	30.000	79700000	-	29.000	ug/kg
CQ41-005	749623.02	2085961.2	0.50	2.50	Aroclor-1254	1800.000	12400	-	26.000	ug/kg
CQ41-005	749623.02	2085961.2	0.50	2.50	Aroclor-1260	830.000	12400	-	29.000	ug/kg
CQ41-005	749623.02	2085961.2	0.50	2.50	Tetrachloroethene	1400.000	615000	-	29.000	ug/kg
CQ41-005	749623.02	2085961.2	0.50	2.50	Trichloroethene	700.000	19600	-	29.000	ug/kg
CQ41-005	749623.02	2085961.2	2.50	4.50	1,1,1-Trichloroethane	690000.000	79700000	-	50000.000	ug/kg
CQ41-005	749623.02	2085961.2	2.50	4.50	Aroclor-1254	21000.000	12400	-	530.000	ug/kg
CQ41-005	749623.02	2085961.2	2.50	4.50	Aroclor-1260	7300.000	12400	-	590.000	ug/kg
CQ41-005	749623.02	2085961.2	2.50	4.50	Carbon Tetrachloride	56000.000	81500	-	50000.000	ug/kg
CQ41-005	749623.02	2085961.2	2.50	4.50	Tetrachloroethene	27000000.000	615000	-	50000.000	ug/kg
CQ41-005	749623.02	2085961.2	2.50	4.50	Trichloroethene	3700000.000	19600	-	50000.000	ug/kg
CQ41-005	749623.02	2085961.2	4.50	6.50	1,1,1-Trichloroethane	210000.000	79700000	-	100000.000	ug/kg
CQ41-005	749623.02	2085961.2	4.50	6.50	Aroclor-1254	170000.000	12400	-	2500.000	ug/kg
CQ41-005	749623.02	2085961.2	4.50	6.50	Aroclor-1260	62000.000	12400	-	2800.000	ug/kg
CQ41-005	749623.02	2085961.2	4.50	6.50	Tetrachloroethene	11000000.000	615000	-	100000.000	ug/kg
CQ41-005	749623.02	2085961.2	4.50	6.50	Trichloroethene	1400000.000	19600	-	100000.000	ug/kg
CQ41-005	749623.02	2085961.2	6.50	8.50	Aroclor-1016	17000.000	46400	-	3500.000	ug/kg
CQ41-005	749623.02	2085961.2	6.50	8.50	Aroclor-1254	160000.000	12400	-	4500.000	ug/kg
CQ41-005	749623.02	2085961.2	6.50	8.50	Aroclor-1260	60000.000	12400	-	5000.000	ug/kg
CQ41-005	749623.02	2085961.2	6.50	8.50	Tetrachloroethene	1300000.000	615000	-	100000.000	ug/kg
CQ41-005	749623.02	2085961.2	6.50	8.50	Trichloroethene	120000.000	19600	-	100000.000	ug/kg
CQ41-005	749623.02	2085961.2	8.50	10.50	Aroclor-1016	1500.000	46400	-	390.000	ug/kg
CQ41-005	749623.02	2085961.2	8.50	10.50	Aroclor-1254	17000.000	12400	-	500.000	ug/kg
CQ41-005	749623.02	2085961.2	8.50	10.50	Aroclor-1260	6000.000	12400	-	560.000	ug/kg
CQ41-005	749623.02	2085961.2	8.50	10.50	Tetrachloroethene	1900000.000	615000	-	100000.000	ug/kg
CQ41-005	749623.02	2085961.2	8.50	10.50	Trichloroethene	160000.000	19600	-	100000.000	ug/kg
CQ41-006	749650.62	2085938.9	0.50	2.50	Aroclor-1254	330.000	12400	-	5.100	ug/kg
CQ41-006	749650.62	2085938.9	0.50	2.50	Aroclor-1260	180.000	12400	-	5.700	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-006	749650.62	2085938.9	0.50	2.50	Tetrachloroethene	12.000	615000	-	5.900	ug/kg
CQ41-006	749650.62	2085938.9	2.50	4.50	Aroclor-1254	7.900	12400	-	4.500	ug/kg
CQ41-006	749650.62	2085938.9	4.50	6.50	Aroclor-1254	6.200	12400	-	4.800	ug/kg
CQ41-006	749650.62	2085938.9	4.50	6.50	Tetrachloroethene	6.700	615000	-	5.400	ug/kg
CQ41-006	749650.62	2085938.9	4.50	6.50	Trichloroethene	6.000	19600	-	5.400	ug/kg
CQ41-006	749650.62	2085938.9	6.50	8.50	Tetrachloroethene	23.000	615000	-	5.800	ug/kg
CQ41-006	749650.62	2085938.9	6.50	8.50	Trichloroethene	14.000	19600	-	5.800	ug/kg
CQ41-006	749650.62	2085938.9	8.50	9.20	Tetrachloroethene	3.000	615000	-	2.900	ug/kg
CQ41-006	749650.62	2085938.9	8.50	9.20	Trichloroethene	3.100	19600	-	2.900	ug/kg
CQ41-007	749656.98	2085974.5	0.50	2.50	Aroclor-1254	91.000	12400	-	4.600	ug/kg
CQ41-007	749656.98	2085974.5	0.50	2.50	Aroclor-1260	38.000	12400	-	5.200	ug/kg
CQ41-007	749656.98	2085974.5	2.50	4.50	Aroclor-1254	9.800	12400	-	4.900	ug/kg
CQ41-007	749656.98	2085974.5	8.50	10.50	1,1,1-Trichloroethane	30.000	79700000	-	30.000	ug/kg
CQ41-007	749656.98	2085974.5	8.50	10.50	1,1-Dichloroethene	62.000	17000	-	30.000	ug/kg
CQ41-007	749656.98	2085974.5	8.50	10.50	Chloroform	40.000	19200	-	30.000	ug/kg
CQ41-007	749656.98	2085974.5	8.50	10.50	Tetrachloroethene	640.000	615000	-	30.000	ug/kg
CQ41-007	749656.98	2085974.5	8.50	10.50	Trichloroethene	1100.000	19600	-	30.000	ug/kg
CQ41-008	749669.66	2086039.4	0.50	2.50	Methylene chloride	1.900	2530000	-	0.810	ug/kg
CQ41-008	749669.66	2086039.4	2.50	4.50	Methylene chloride	2.200	2530000	-	0.820	ug/kg
CQ41-008	749669.66	2086039.4	4.50	6.50	Methylene chloride	3.000	2530000	-	1.000	ug/kg
CQ41-008	749669.66	2086039.4	6.50	8.00	Methylene chloride	2.700	2530000	-	0.950	ug/kg
CQ41-008	749669.66	2086039.4	6.50	8.00	Tetrachloroethene	38.000	615000	-	1.200	ug/kg
CQ41-008	749669.66	2086039.4	6.50	8.00	Trichloroethene	10.000	19600	-	1.000	ug/kg
CQ41-008	749669.66	2086039.4	8.00	8.50	Methylene chloride	2.600	2530000	-	0.930	ug/kg
CQ41-008	749669.66	2086039.4	8.00	8.50	Tetrachloroethene	11.000	615000	-	1.200	ug/kg
CQ41-008	749669.66	2086039.4	8.00	8.50	Trichloroethene	3.400	19600	-	1.000	ug/kg
CQ41-009	749682.87	2085953.3	0.00	0.50	Ethylbenzene	16.000	4250000	-	5.500	ug/kg
CQ41-009	749682.87	2085953.3	0.00	0.50	Xylene	120.000	2040000	-	11.000	ug/kg
CQ41-009	749682.87	2085953.3	8.00	8.50	Tetrachloroethene	38.000	615000	-	28.000	ug/kg
CQ41-010	749690.93	2085987.8	0.50	2.50	Acetone	5.200	102000000	-	5.100	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-010	749690.93	2085987.8	0.50	2.50	Aroclor-1254	32.000	12400	-	4.800	ug/kg
CQ41-010	749690.93	2085987.8	0.50	2.50	Methylene chloride	3.100	2530000	-	0.890	ug/kg
CQ41-010	749690.93	2085987.8	2.50	4.50	Methylene chloride	2.400	2530000	-	0.860	ug/kg
CQ41-010	749690.93	2085987.8	4.50	6.50	Methylene chloride	2.900	2530000	-	0.940	ug/kg
CQ41-010	749690.93	2085987.8	6.50	8.50	Methylene chloride	2.300	2530000	-	0.860	ug/kg
CQ41-010	749690.93	2085987.8	8.50	9.50	1,2,4-Trichlorobenzene	17.000	9230000	-	0.820	ug/kg
CQ41-010	749690.93	2085987.8	8.50	9.50	Methylene chloride	2.800	2530000	-	0.930	ug/kg
CQ41-010	749690.93	2085987.8	8.50	9.50	Tetrachloroethene	550.000	615000	-	1.100	ug/kg
CQ41-010	749690.93	2085987.8	8.50	9.50	Trichloroethene	2.100	19600	-	1.000	ug/kg
CQ41-011	749715.77	2085967.1	0.00	0.50	Xylene	12.000	2040000	-	11.000	ug/kg
CQ41-011	749715.77	2085967.1	6.50	8.50	Tetrachloroethene	110.000	615000	-	6.200	ug/kg
CQ41-011	749715.77	2085967.1	6.50	8.50	Trichloroethene	94.000	19600	-	6.200	ug/kg
CQ41-012	749723.55	2086001.4	4.50	6.50	Tetrachloroethene	7.400	615000	-	5.500	ug/kg
CQ41-012	749723.55	2086001.4	6.50	8.50	Tetrachloroethene	350.000	615000	-	130.000	ug/kg
CQ41-012	749723.55	2086001.4	8.50	9.00	Tetrachloroethene	3000.000	615000	-	150.000	ug/kg
CQ41-012	749723.55	2086001.4	8.50	9.00	Trichloroethene	1900.000	19600	-	150.000	ug/kg
CQ41-025	749622.99	2085958	0.00	0.50	1,2,4-Trichlorobenzene	0.860	9230000	-	0.810	ug/kg
CQ41-025	749622.99	2085958	0.00	0.50	Acetone	14.000	102000000	-	5.200	ug/kg
CQ41-025	749622.99	2085958	0.00	0.50	Methylene chloride	1.900	2530000	-	0.910	ug/kg
CQ41-025	749622.99	2085958	0.00	0.50	Naphthalene	1.700	3090000	-	0.980	ug/kg
CQ41-025	749622.99	2085958	0.00	0.50	Tetrachloroethene	69.000	615000	-	1.100	ug/kg
CQ41-025	749622.99	2085958	0.00	0.50	Trichloroethene	26.000	19600	-	0.990	ug/kg
CQ41-025	749622.99	2085958	0.50	2.50	Tetrachloroethene	6600.000	615000	-	37.000	ug/kg
CQ41-025	749622.99	2085958	0.50	2.50	Trichloroethene	190.000	19600	-	37.000	ug/kg
CQ41-025	749622.99	2085958	2.50	4.50	1,1,1-Trichloroethane	6100.000	79700000	-	350.000	ug/kg
CQ41-025	749622.99	2085958	2.50	4.50	Tetrachloroethene	72000.000	615000	-	3300.000	ug/kg
CQ41-025	749622.99	2085958	2.50	4.50	Trichloroethene	72000.000	19600	-	660.000	ug/kg
CQ41-025	749622.99	2085958	4.50	6.50	Ethylbenzene	48.000	4250000	-	25.000	ug/kg
CQ41-025	749622.99	2085958	4.50	6.50	Tetrachloroethene	310000.000	615000	-	6100.000	ug/kg
CQ41-025	749622.99	2085958	4.50	6.50	Trichloroethene	1700.000	19600	-	61.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW-AL	Background Mean Plus 2 SD	RL	Unit
CQ41-025	749622.99	2085958	6.50	8.00	Tetrachloroethene	490000.000	615000	-	3100.000	ug/kg
CQ41-025	749622.99	2085958	6.50	8.00	Trichloroethene	4400.000	19600	-	310.000	ug/kg
CQ41-025	749622.99	2085958	8.50	10.00	1,1,1-Trichloroethane	22000.000	79700000	-	340.000	ug/kg
CQ41-025	749622.99	2085958	8.50	10.00	Carbon Tetrachloride	3000.000	81500	-	730.000	ug/kg
CQ41-025	749622.99	2085958	8.50	10.00	Methylene chloride	1600.000	2530000	-	1600.000	ug/kg
CQ41-025	749622.99	2085958	8.50	10.00	Tetrachloroethene	3400000.000	615000	-	16000.000	ug/kg
CQ41-025	749622.99	2085958	8.50	10.00	Trichloroethene	210000.000	19600	-	640.000	ug/kg
CQ41-026	749591.03	2085941.9	0.00	0.50	Acetone	5.700	102000000	-	5.100	ug/kg
CQ41-026	749591.03	2085941.9	0.00	0.50	Naphthalene	2.800	3090000	-	0.950	ug/kg
CQ41-026	749591.03	2085941.9	0.00	0.50	Tetrachloroethene	99.000	615000	-	1.100	ug/kg
CQ41-026	749591.03	2085941.9	0.00	0.50	Trichloroethene	9.200	19600	-	0.970	ug/kg
CQ41-026	749591.03	2085941.9	0.50	2.50	1,1,1-Trichloroethane	240.000	79700000	-	39.000	ug/kg
CQ41-026	749591.03	2085941.9	0.50	2.50	Ethylbenzene	84.000	4250000	-	29.000	ug/kg
CQ41-026	749591.03	2085941.9	0.50	2.50	Tetrachloroethene	340000.000	615000	-	1800.000	ug/kg
CQ41-026	749591.03	2085941.9	0.50	2.50	Trichloroethene	11000.000	19600	-	72.000	ug/kg
CQ41-026	749591.03	2085941.9	2.50	4.50	1,1,1-Trichloroethane	71.000	79700000	-	20.000	ug/kg
CQ41-026	749591.03	2085941.9	2.50	4.50	Acetone	660.000	102000000	-	470.000	ug/kg
CQ41-026	749591.03	2085941.9	2.50	4.50	Tetrachloroethene	11000.000	615000	-	37.000	ug/kg
CQ41-026	749591.03	2085941.9	2.50	4.50	Trichloroethene	2200.000	19600	-	37.000	ug/kg
CQ41-026	749591.03	2085941.9	4.50	6.50	Tetrachloroethene	3100.000	615000	-	35.000	ug/kg
CQ41-026	749591.03	2085941.9	6.50	8.00	Acetone	4.900	102000000	-	4.900	ug/kg
CQ41-026	749591.03	2085941.9	6.50	8.00	Naphthalene	1.300	3090000	-	0.910	ug/kg
CQ41-026	749591.03	2085941.9	6.50	8.00	Tetrachloroethene	6.500	615000	-	1.100	ug/kg
CQ41-026	749591.03	2085941.9	8.00	9.00	1,1,1-Trichloroethane	3.600	79700000	-	1.100	ug/kg
CQ41-026	749591.03	2085941.9	8.00	9.00	Tetrachloroethene	29.000	615000	-	1.100	ug/kg
CQ41-026	749591.03	2085941.9	8.00	9.00	Trichloroethene	4.700	19600	-	1.000	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	1,1,1-Trichloroethane	0.530	79700000	-	0.120	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	1,2,4-Trichlorobenzene	0.560	9230000	-	0.250	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	Aroclor-1254	760.000	12400	-	35.000	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	Aroclor-1260	300.000	12400	-	7.400	ug/kg

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW/AL	Background Mean Plus 2 SD	RL	Unit
CQ41-028	749576.35	2085957.1	0.00	0.50	Methylene chloride	2.500	2530000	-	0.330	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	Naphthalene	0.770	3090000	-	0.370	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	Tetrachloroethene	77.000	615000	-	0.180	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	Trichloroethene	9.300	19600	-	0.140	ug/kg
CQ41-028	749576.35	2085957.1	0.00	0.50	Xylene	0.280	2040000	-	0.032	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	1,1,1-Trichloroethane	59.000	79700000	-	0.120	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	1,1-Dichloroethene	2.000	17000	-	0.310	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	1,2,4-Trichlorobenzene	9.500	9230000	-	0.270	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	2-Butanone	3.000	192000000	-	1.700	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	4-Methyl-2-pentanone	3.300	16400000	-	0.780	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Acetone	16.000	102000000	-	1.500	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Aroclor-1254	18000.000	12400	-	370.000	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Aroclor-1260	6100.000	12400	-	78.000	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Benzene	0.150	205000	-	0.100	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Chloroform	0.420	19200	-	0.089	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Ethylbenzene	7.900	4250000	-	0.100	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Methylene chloride	2.600	2530000	-	0.350	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Naphthalene	12.000	3090000	-	0.390	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Tetrachloroethene	110000.000	615000	-	600.000	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Toluene	2.500	31300000	-	0.089	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Trichloroethene	510.000	19600	-	510.000	ug/kg
CQ41-028	749576.35	2085957.1	0.50	2.50	Xylene	16.000	2040000	-	0.033	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	1,1,1-Trichloroethane	220.000	79700000	-	0.130	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	1,1,2-Trichloroethane	9.900	236000	-	0.230	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	1,1-Dichloroethane	0.630	22500000	-	0.150	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	1,1-Dichloroethene	8.300	17000	-	0.340	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	1,2,4-Trichlorobenzene	3.200	9230000	-	0.290	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	1,2-Dichloroethane	17.000	106000	-	0.150	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	2-Butanone	18.000	192000000	-	1.900	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	4-Methyl-2-pentanone	61.000	16400000	-	0.850	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-028	749576.35	2085957.1	2.50	4.50	Acetone	110.000	102000000	-	1.700	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Aroclor-1016	1500.000	46400	-	530.000	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Aroclor-1254	27000.000	12400	-	800.000	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Aroclor-1260	8700.000	12400	-	170.000	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Benzene	1.600	205000	-	0.110	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Chloroform	52.000	19200	-	0.097	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Ethylbenzene	4.600	4250000	-	0.110	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Methylene chloride	3.200	2530000	-	0.380	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Naphthalene	10.000	3090000	-	0.420	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Tetrachloroethene	75000.000	615000	-	650.000	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Toluene	3.300	31300000	-	0.097	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Trichloroethene	710.000	19600	-	560.000	ug/kg
CQ41-028	749576.35	2085957.1	2.50	4.50	Xylene	17.000	2040000	-	0.036	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	1,1,1-Trichloroethane	7.700	79700000	-	0.130	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	1,1,2-Trichloroethane	1.900	236000	-	0.230	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	1,2,4-Trichlorobenzene	6.800	9230000	-	0.290	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	1,2-Dichloroethane	5.200	106000	-	0.150	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	2-Butanone	16.000	192000000	-	1.900	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	4-Methyl-2-pentanone	92.000	16400000	-	0.850	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Acetone	66.000	102000000	-	1.700	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Aroclor-1016	52.000	46400	-	27.000	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Aroclor-1254	1000.000	12400	-	40.000	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Aroclor-1260	260.000	12400	-	8.500	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Chloroform	21.000	19200	-	0.097	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Ethylbenzene	0.510	4250000	-	0.110	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Hexachlorobutadiene	0.640	147000	-	0.550	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Methylene chloride	3.300	2530000	-	0.380	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Naphthalene	13.000	3090000	-	0.420	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Tetrachloroethene	770.000	615000	-	1.000	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Toluene	0.690	31300000	-	0.097	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-028	749576.35	2085957.1	4.50	6.50	Trichloroethene	36.000	19600	-	0.160	ug/kg
CQ41-028	749576.35	2085957.1	4.50	6.50	Xylene	2.900	2040000	-	0.036	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	1,1,1-Trichloroethane	0.770	79700000	-	0.120	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	1,1,2-Trichloroethane	0.250	236000	-	0.200	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	1,2,4-Trichlorobenzene	32.000	9230000	-	0.250	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	4-Methyl-2-pentanone	2.200	16400000	-	0.740	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Acetone	9.500	102000000	-	1.500	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Aroclor-1254	6000.000	12400	-	140.000	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Aroclor-1260	1900.000	12400	-	29.000	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Chloroform	0.300	19200	-	0.084	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Ethylbenzene	0.690	4250000	-	0.095	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Hexachlorobutadiene	0.680	147000	-	0.470	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Methylene chloride	2.500	2530000	-	0.330	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Naphthalene	11.000	3090000	-	0.370	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Tetrachloroethene	810.000	615000	-	28.000	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Toluene	0.240	31300000	-	0.084	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Trichloroethene	5.700	19600	-	0.140	ug/kg
CQ41-028	749576.35	2085957.1	6.50	8.00	Xylene	2.000	2040000	-	0.032	ug/kg
CQ41-029	749552.98	2085955.2	0.00	0.50	Aroclor-1254	140.000	12400	-	7.200	ug/kg
CQ41-029	749552.98	2085955.2	0.00	0.50	Tetrachloroethene	269.000	615000	-	255.000	ug/kg
CQ41-029	749552.98	2085955.2	0.50	2.50	Aroclor-1254	77000.000	12400	-	7100.000	ug/kg
CQ41-029	749552.98	2085955.2	0.50	2.50	Aroclor-1260	79000.000	12400	-	1500.000	ug/kg
CQ41-029	749552.98	2085955.2	0.50	2.50	Tetrachloroethene	802000.000	615000	-	55100.000	ug/kg
CQ41-029	749552.98	2085955.2	2.50	4.50	Aroclor-1254	110000.000	12400	-	7200.000	ug/kg
CQ41-029	749552.98	2085955.2	2.50	4.50	Aroclor-1260	100000.000	12400	-	1500.000	ug/kg
CQ41-029	749552.98	2085955.2	2.50	4.50	Tetrachloroethene	1920000.000	615000	-	128000.000	ug/kg
CQ41-029	749552.98	2085955.2	2.50	4.50	Trichloroethene	183000.000	19600	-	128000.000	ug/kg
CQ41-029	749552.98	2085955.2	4.50	6.00	Aroclor-1254	48000.000	12400	-	1500.000	ug/kg
CQ41-029	749552.98	2085955.2	4.50	6.00	Aroclor-1260	49000.000	12400	-	310.000	ug/kg
CQ41-029	749552.98	2085955.2	4.50	6.00	Tetrachloroethene	923000.000	615000	-	50500.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRWAL	Background Mean Plus 2 SD	RL	Unit
CQ41-029	749552.98	2085955.2	4.50	6.00	Trichloroethene	73200.000	19600	-	50500.000	ug/kg
CQ41-042	749714.03	2085993.5	0.00	0.50	Acetone	1.700	102000000	-	1.600	ug/kg
CQ41-042	749714.03	2085993.5	0.00	0.50	Tetrachloroethene	11.000	615000	-	0.200	ug/kg
CQ41-042	749714.03	2085993.5	0.00	0.50	Trichloroethene	1.600	19600	-	0.150	ug/kg
CQ41-042	749714.03	2085993.5	0.50	2.50	Acetone	4.900	102000000	-	1.600	ug/kg
CQ41-042	749714.03	2085993.5	0.50	2.50	Naphthalene	0.460	3090000	-	0.410	ug/kg
CQ41-042	749714.03	2085993.5	0.50	2.50	Tetrachloroethene	37.000	615000	-	0.200	ug/kg
CQ41-042	749714.03	2085993.5	0.50	2.50	Toluene	0.140	31300000	-	0.094	ug/kg
CQ41-042	749714.03	2085993.5	0.50	2.50	Trichloroethene	0.730	19600	-	0.150	ug/kg
CQ41-042	749714.03	2085993.5	2.50	4.50	Acetone	4.200	102000000	-	1.600	ug/kg
CQ41-042	749714.03	2085993.5	2.50	4.50	Tetrachloroethene	3.700	615000	-	0.200	ug/kg
CQ41-042	749714.03	2085993.5	2.50	4.50	Toluene	0.120	31300000	-	0.093	ug/kg
CQ41-042	749714.03	2085993.5	2.50	4.50	Trichloroethene	0.490	19600	-	0.150	ug/kg
CQ41-042	749714.03	2085993.5	2.50	4.50	Acetone	4.400	102000000	-	1.600	ug/kg
CQ41-042	749714.03	2085993.5	4.50	6.50	Tetrachloroethene	1.700	615000	-	0.200	ug/kg
CQ41-042	749714.03	2085993.5	4.50	6.50	Trichloroethene	0.300	19600	-	0.150	ug/kg
CQ41-043	749718.8	2085975.2	0.50	2.50	Tetrachloroethene	51.000	615000	-	5.970	ug/kg
CQ41-043	749718.8	2085975.2	0.50	2.50	Trichloroethene	9.040	19600	-	5.970	ug/kg
CQ41-043	749718.8	2085975.2	4.50	6.50	1,1,1-Trichloroethane	8.120	79700000	-	6.280	ug/kg
CQ41-043	749718.8	2085975.2	4.50	6.50	Tetrachloroethene	85.000	615000	-	6.280	ug/kg
CQ41-043	749718.8	2085975.2	4.50	6.50	Trichloroethene	53.000	19600	-	6.280	ug/kg
CQ41-043	749718.8	2085975.2	6.50	8.50	Tetrachloroethene	31.300	615000	-	5.430	ug/kg
CQ41-043	749718.8	2085975.2	6.50	8.50	Trichloroethene	27.500	19600	-	5.430	ug/kg
CQ41-043	749718.8	2085975.2	8.50	10.50	Tetrachloroethene	32.100	615000	-	6.000	ug/kg
CQ41-043	749718.8	2085975.2	8.50	10.50	Trichloroethene	52.900	19600	-	6.000	ug/kg
CQ41-044	749722.78	2085956.6	0.00	0.50	Tetrachloroethene	29.500	615000	-	6.290	ug/kg
CQ41-044	749722.78	2085956.6	0.00	0.50	Trichloroethene	6.330	19600	-	6.290	ug/kg
CQ41-044	749722.78	2085956.6	0.50	2.50	Tetrachloroethene	10.200	615000	-	5.360	ug/kg
CQ41-044	749722.78	2085956.6	2.50	4.50	Tetrachloroethene	8.790	615000	-	5.680	ug/kg
CQ41-044	749722.78	2085956.6	4.50	6.50	Tetrachloroethene	18.800	615000	-	5.460	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-044	749722.78	2085956.6	4.50	6.50	Trichloroethene	12.100	19600	-	5.460	ug/kg
CQ41-044	749722.78	2085956.6	6.50	8.50	Tetrachloroethene	5.650	615000	-	5.250	ug/kg
CQ41-044	749722.78	2085956.6	8.50	10.50	Tetrachloroethene	83.900	615000	-	5.910	ug/kg
CQ41-044	749722.78	2085956.6	8.50	10.50	Trichloroethene	68.200	19600	-	5.910	ug/kg
CQ41-045	749724.61	2085935.1	0.50	2.50	1,1,1-Trichloroethane	11.900	79700000	-	5.680	ug/kg
CQ41-045	749724.61	2085935.1	0.50	2.50	Tetrachloroethene	16.200	615000	-	5.680	ug/kg
CQ41-046	749722.65	2085915.1	0.00	0.50	Acetone	3.200	102000000	-	1.600	ug/kg
CQ41-046	749722.65	2085915.1	0.00	0.50	Tetrachloroethene	1.400	615000	-	0.200	ug/kg
CQ41-046	749722.65	2085915.1	0.00	0.50	Trichloroethene	0.360	19600	-	0.150	ug/kg
CQ41-046	749722.65	2085915.1	0.50	2.50	Acetone	5.000	102000000	-	1.600	ug/kg
CQ41-046	749722.65	2085915.1	2.50	4.50	Acetone	3.300	102000000	-	1.500	ug/kg
CQ41-046	749722.65	2085915.1	4.50	6.50	Acetone	3.900	102000000	-	1.500	ug/kg
CQ41-046	749722.65	2085915.1	6.50	8.50	Acetone	3.400	102000000	-	1.400	ug/kg
CQ41-046	749722.65	2085915.1	8.50	10.50	Acetone	5.800	102000000	-	1.500	ug/kg
CQ41-049	749700.46	2085965.3	0.50	2.50	1,1,1-Trichloroethane	21.000	79700000	-	6.280	ug/kg
CQ41-049	749700.46	2085965.3	0.50	2.50	Tetrachloroethene	199.000	615000	-	6.280	ug/kg
CQ41-049	749700.46	2085965.3	0.50	2.50	Trichloroethene	55.500	19600	-	6.280	ug/kg
CQ41-049	749700.46	2085965.3	4.50	6.50	1,1,1-Trichloroethane	29.400	79700000	-	5.970	ug/kg
CQ41-049	749700.46	2085965.3	4.50	6.50	Tetrachloroethene	200.000	615000	-	5.970	ug/kg
CQ41-049	749700.46	2085965.3	4.50	6.50	Trichloroethene	124.000	19600	-	5.970	ug/kg
CQ41-049	749700.46	2085965.3	6.50	8.50	1,1,1-Trichloroethane	36.500	79700000	-	28.400	ug/kg
CQ41-049	749700.46	2085965.3	6.50	8.50	Tetrachloroethene	264.000	615000	-	28.400	ug/kg
CQ41-049	749700.46	2085965.3	6.50	8.50	Trichloroethene	193.000	19600	-	28.400	ug/kg
CQ41-050	749699.32	2085944.5	2.50	4.50	1,1-Dichloroethene	8.990	17000	-	5.560	ug/kg
CQ41-050	749699.32	2085944.5	2.50	4.50	Tetrachloroethene	198.000	615000	-	5.560	ug/kg
CQ41-050	749699.32	2085944.5	2.50	4.50	Trichloroethene	111.000	19600	-	5.560	ug/kg
CQ41-050	749699.32	2085944.5	4.50	6.50	1,1-Dichloroethene	7.220	17000	-	5.800	ug/kg
CQ41-050	749699.32	2085944.5	4.50	6.50	Tetrachloroethene	157.000	615000	-	5.800	ug/kg
CQ41-050	749699.32	2085944.5	4.50	6.50	Trichloroethene	92.400	19600	-	5.800	ug/kg
CQ41-050	749699.32	2085944.5	6.50	8.50	1,1,1-Trichloroethane	9.510	79700000	-	5.780	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-050	749699.32	2085944.5	6.50	8.50	Tetrachloroethene	107.000	615000	-	5.780	ug/kg
CQ41-050	749699.32	2085944.5	6.50	8.50	Trichloroethene	55.600	19600	-	5.780	ug/kg
CQ41-050	749699.32	2085944.5	8.50	10.50	1,1,1-Trichloroethane	14.700	79700000	-	6.810	ug/kg
CQ41-050	749699.32	2085944.5	8.50	10.50	Tetrachloroethene	159.000	615000	-	6.810	ug/kg
CQ41-050	749699.32	2085944.5	8.50	10.50	Trichloroethene	68.900	19600	-	6.810	ug/kg
CQ41-050	749699.32	2085944.5	2.50	4.50	1,1-Dichloroethene	8.990	17000	-	5.560	ug/kg
CQ41-050	749699.32	2085944.5	2.50	4.50	Tetrachloroethene	198.000	615000	-	5.560	ug/kg
CQ41-050	749699.32	2085944.5	2.50	4.50	Trichloroethene	111.000	19600	-	5.560	ug/kg
CQ41-050	749699.32	2085944.5	4.50	6.50	1,1-Dichloroethene	7.220	17000	-	5.800	ug/kg
CQ41-050	749699.32	2085944.5	4.50	6.50	Tetrachloroethene	157.000	615000	-	5.800	ug/kg
CQ41-050	749699.32	2085944.5	4.50	6.50	Trichloroethene	92.400	19600	-	5.800	ug/kg
CQ41-050	749699.32	2085944.5	6.50	8.50	1,1,1-Trichloroethane	9.510	79700000	-	5.780	ug/kg
CQ41-050	749699.32	2085944.5	6.50	8.50	Tetrachloroethene	107.000	615000	-	5.780	ug/kg
CQ41-050	749699.32	2085944.5	6.50	8.50	Trichloroethene	55.600	19600	-	5.780	ug/kg
CQ41-050	749699.32	2085944.5	8.50	10.50	1,1,1-Trichloroethane	14.700	79700000	-	6.810	ug/kg
CQ41-050	749699.32	2085944.5	8.50	10.50	Tetrachloroethene	159.000	615000	-	6.810	ug/kg
CQ41-050	749699.32	2085944.5	8.50	10.50	Trichloroethene	68.900	19600	-	6.810	ug/kg
IHSS 900-154 Accelerated Action Characterization Sampling Locations (includes sampling conducted from FY02 through FY04)										
CN40-000	749496.98	2085529.7	0.00	0.50	4,4'-DDE	0.600	101000	-	0.370	ug/kg
CN40-000	749496.98	2085529.7	0.00	0.50	Aluminum	18100.000	228000	16902.000	-	mg/kg
CN40-000	749496.98	2085529.7	0.00	0.50	Aroclor-1260	63.000	12400	-	5.500	ug/kg
CN40-000	749496.98	2085529.7	0.00	0.50	Barium	154.000	26400	141.260	-	mg/kg
CN40-000	749496.98	2085529.7	0.00	0.50	Nickel	15.800	20400	14.910	-	mg/kg
CN40-000	749496.98	2085529.7	0.00	0.50	Strontium	62.900	613000	48.940	-	mg/kg
CN40-000	749496.98	2085529.7	0.00	0.50	Uranium-235	0.201	8	0.094	-	pCi/g
CN40-000	749496.98	2085529.7	0.00	0.50	Vanadium	49.000	7150	45.590	-	mg/kg
CN40-000	749496.98	2085529.7	0.50	2.50	Methylene chloride	1.600	2530000	-	0.910	ug/kg
CN40-000	749496.98	2085529.7	0.50	2.50	Uranium-235	0.175	8	0.120	-	pCi/g
CN40-000	749496.98	2085529.7	2.50	4.50	Methylene chloride	1.700	2530000	-	0.940	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CN40-000	749496.98	2085529.7	2.50	4.50	Uranium-235	0.153	8	0.120	-	pCi/g
CN40-000	749496.98	2085529.7	2.50	4.50	Uranium-238	2.070	351	1.490	-	pCi/g
CN40-000	749496.98	2085529.7	4.50	6.50	Methylene chloride	1.700	2530000	-	0.930	ug/kg
CN40-000	749496.98	2085529.7	4.50	6.50	Uranium-234	3.130	300	2.640	-	pCi/g
CN40-000	749496.98	2085529.7	4.50	6.50	Uranium-235	0.281	8	0.120	-	pCi/g
CN40-000	749496.98	2085529.7	4.50	6.50	Uranium-238	3.130	351	1.490	-	pCi/g
CN40-000	749496.98	2085529.7	6.50	8.50	Acetone	21.000	102000000	-	5.200	ug/kg
CN40-000	749496.98	2085529.7	6.50	8.50	Methylene chloride	2.200	2530000	-	0.910	ug/kg
CN40-000	749496.98	2085529.7	6.50	8.50	Uranium-235	0.242	8	0.120	-	pCi/g
CN40-000	749496.98	2085529.7	6.50	8.50	Uranium-238	2.170	351	1.490	-	pCi/g
CN40-000	749496.98	2085529.7	8.50	10.50	Acetone	12.000	102000000	-	5.300	ug/kg
CN40-000	749496.98	2085529.7	8.50	10.50	Methylene chloride	1.400	2530000	-	0.920	ug/kg
CN40-000	749496.98	2085529.7	8.50	10.50	Uranium-238	2.030	351	1.490	-	pCi/g
CN40-001	749521.81	2085531.7	0.00	0.50	Aluminum	21700.000	228000	16902.000	-	mg/kg
CN40-001	749521.81	2085531.7	0.00	0.50	Aroclor-1260	10.000	12400	-	5.300	ug/kg
CN40-001	749521.81	2085531.7	0.00	0.50	Chromium	20.700	268	16.990	-	mg/kg
CN40-001	749521.81	2085531.7	0.00	0.50	Lithium	13.200	20400	11.550	-	mg/kg
CN40-001	749521.81	2085531.7	0.00	0.50	Nickel	15.500	20400	14.910	-	mg/kg
CN40-001	749521.81	2085531.7	0.00	0.50	Strontium	60.400	613000	48.940	-	mg/kg
CN40-001	749521.81	2085531.7	0.00	0.50	Uranium-235	0.266	8	0.094	-	pCi/g
CN40-001	749521.81	2085531.7	0.00	0.50	Vanadium	46.900	7150	45.590	-	mg/kg
CN40-001	749521.81	2085531.7	0.50	2.50	Acetone	5.700	102000000	-	5.000	ug/kg
CN40-001	749521.81	2085531.7	0.50	2.50	Methylene chloride	1.200	2530000	-	0.870	ug/kg
CN40-001	749521.81	2085531.7	2.50	4.50	Methylene chloride	1.400	2530000	-	0.990	ug/kg
CN40-001	749521.81	2085531.7	2.50	4.50	Uranium-234	3.050	300	2.640	-	pCi/g
CN40-001	749521.81	2085531.7	2.50	4.50	Uranium-238	3.050	351	1.490	-	pCi/g
CN40-001	749521.81	2085531.7	4.50	6.50	Arsenic	55.100	22.2	13.140	-	mg/kg
CN40-001	749521.81	2085531.7	4.50	6.50	Methylene chloride	1.300	2530000	-	0.910	ug/kg
CN40-001	749521.81	2085531.7	4.50	6.50	Tetrachloroethene	1.400	615000	-	1.100	ug/kg
CN40-001	749521.81	2085531.7	4.50	6.50	Uranium-235	0.186	8	0.120	-	pCi/g

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CN40-001	749521.81	2085531.7	4.50	6.50	Uranium-238	2.070	351	1.490	-	pCi/g
CN40-001	749521.81	2085531.7	6.50	8.50	Arsenic	15.300	22.2	13.140	-	mg/kg
CN40-001	749521.81	2085531.7	6.50	8.50	Methylene chloride	1.100	2530000	-	0.890	ug/kg
CN40-001	749521.81	2085531.7	8.50	10.50	Methylene chloride	1.000	2530000	-	0.870	ug/kg
CN40-001	749521.81	2085531.7	8.50	10.50	Uranium-235	0.132	8	0.120	-	pCi/g
CO40-000	749502.56	2085561.5	0.00	0.50	Methoxychlor	0.750	5110000	-	0.190	ug/kg
CO40-000	749502.56	2085561.5	0.00	0.50	Strontium	64.300	613000	48.940	-	mg/kg
CO40-000	749502.56	2085561.5	0.00	0.50	Uranium-234	2.780	300	2.253	-	pCi/g
CO40-000	749502.56	2085561.5	0.00	0.50	Uranium-238	2.780	351	2.000	-	pCi/g
CO40-000	749502.56	2085561.5	0.00	0.50	Vanadium	53.200	7150	45.590	-	mg/kg
CO40-000	749502.56	2085561.5	0.50	2.50	Acetone	6.500	102000000	-	5.400	ug/kg
CO40-000	749502.56	2085561.5	0.50	2.50	Methylene chloride	1.100	2530000	-	0.930	ug/kg
CO40-000	749502.56	2085561.5	0.50	2.50	Uranium-238	2.070	351	1.490	-	pCi/g
CO40-000	749502.56	2085561.5	2.50	4.50	Acetone	11.000	102000000	-	5.600	ug/kg
CO40-000	749502.56	2085561.5	2.50	4.50	Methylene chloride	1.100	2530000	-	0.970	ug/kg
CO40-000	749502.56	2085561.5	2.50	4.50	Uranium-235	0.130	8	0.120	-	pCi/g
CO40-000	749502.56	2085561.5	4.50	6.50	Acetone	13.000	102000000	-	5.700	ug/kg
CO40-000	749502.56	2085561.5	4.50	6.50	Arsenic	24.100	22.2	13.140	-	mg/kg
CO40-000	749502.56	2085561.5	4.50	6.50	Lead	25.600	1000	24.970	-	mg/kg
CO40-000	749502.56	2085561.5	4.50	6.50	Methoxychlor	0.260	5110000	-	0.200	ug/kg
CO40-000	749502.56	2085561.5	4.50	6.50	Methylene chloride	1.200	2530000	-	0.980	ug/kg
CO40-000	749502.56	2085561.5	4.50	6.50	Vanadium	128.000	7150	88.490	-	mg/kg
CO40-000	749502.56	2085561.5	6.50	8.50	Acetone	9.900	102000000	-	5.500	ug/kg
CO40-000	749502.56	2085561.5	6.50	8.50	Methoxychlor	0.470	5110000	-	0.200	ug/kg
CO40-000	749502.56	2085561.5	6.50	8.50	Methylene chloride	1.200	2530000	-	0.960	ug/kg
CO40-000	749502.56	2085561.5	6.50	8.50	Uranium-238	2.220	351	1.490	-	pCi/g
CO40-000	749502.56	2085561.5	8.50	8.51	Uranium-238	2.490	351	1.490	-	pCi/g
CO40-001	749538.39	2085564	0.00	0.50	Aroclor-1260	16.000	12400	-	5.400	ug/kg
CO40-001	749538.39	2085564	0.00	0.50	Plutonium-239/240	0.205	50	0.066	-	pCi/g
CO40-001	749538.39	2085564	0.00	0.50	Strontium	81.900	613000	48.940	-	mg/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CO40-001	749538.39	2085564	0.00	0.50	Uranium-234	2.530	300	2.253	-	pCi/g
CO40-001	749538.39	2085564	0.00	0.50	Uranium-235	0.219	8	0.094	-	pCi/g
CO40-001	749538.39	2085564	0.00	0.50	Uranium-238	2.530	351	2.000	-	pCi/g
CO40-001	749538.39	2085564	0.50	2.50	Copper	39.900	40900	38.210	-	mg/kg
CO40-001	749538.39	2085564	0.50	2.50	Methylene chloride	0.990	2530000	-	0.900	ug/kg
CO40-001	749538.39	2085564	0.50	2.50	Tetrachloroethene	1.500	615000	-	1.100	ug/kg
CO40-001	749538.39	2085564	0.50	2.50	Uranium-235	0.149	8	0.120	-	pCi/g
CO40-001	749538.39	2085564	0.50	2.50	Uranium-238	2.120	351	1.490	-	pCi/g
CO40-001	749538.39	2085564	2.50	4.50	Acetone	6.400	102000000	-	5.300	ug/kg
CO40-001	749538.39	2085564	2.50	4.50	Methylene chloride	1.400	2530000	-	0.910	ug/kg
CO40-001	749538.39	2085564	2.50	4.50	Uranium-235	0.225	8	0.120	-	pCi/g
CO40-001	749538.39	2085564	4.50	6.50	Methoxychlor	0.440	5110000	-	0.210	ug/kg
CO40-001	749538.39	2085564	4.50	6.50	Methylene chloride	1.500	2530000	-	0.990	ug/kg
CO40-001	749538.39	2085564	4.50	6.50	Uranium-235	0.160	8	0.120	-	pCi/g
CO40-001	749538.39	2085564	6.50	8.50	Methylene chloride	1.000	2530000	-	0.900	ug/kg
CO40-001	749538.39	2085564	6.50	8.50	Uranium-235	0.262	8	0.120	-	pCi/g
CO40-002	749517.27	2085594.2	0.00	0.50	Aroclor-1260	20.000	12400	-	5.400	ug/kg
CO40-002	749517.27	2085594.2	0.00	0.50	Methoxychlor	0.530	5110000	-	0.190	ug/kg
CO40-002	749517.27	2085594.2	0.00	0.50	Strontium	68.200	613000	48.940	-	mg/kg
CO40-002	749517.27	2085594.2	0.50	2.50	Acetone	10.000	102000000	-	5.600	ug/kg
CO40-002	749517.27	2085594.2	0.50	2.50	Methylene chloride	1.300	2530000	-	0.970	ug/kg
CO40-002	749517.27	2085594.2	0.50	2.50	Uranium-238	1.930	351	1.490	-	pCi/g
CO40-002	749517.27	2085594.2	2.50	4.50	Acetone	12.000	102000000	-	5.400	ug/kg
CO40-002	749517.27	2085594.2	2.50	4.50	Methylene chloride	1.100	2530000	-	0.940	ug/kg
CO40-002	749517.27	2085594.2	2.50	4.50	Uranium-234	3.230	300	2.640	-	pCi/g
CO40-002	749517.27	2085594.2	2.50	4.50	Uranium-238	3.230	351	1.490	-	pCi/g
CO40-002	749517.27	2085594.2	4.50	6.50	Acetone	7.600	102000000	-	5.600	ug/kg
CO40-002	749517.27	2085594.2	4.50	6.50	Methoxychlor	0.390	5110000	-	0.200	ug/kg
CO40-002	749517.27	2085594.2	4.50	6.50	Methylene chloride	1.100	2530000	-	0.970	ug/kg
CO40-002	749517.27	2085594.2	6.50	8.50	Uranium-238	2.570	351	1.490	-	pCi/g

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CO40-003	749540.32	2085600.1	0.00	0.50	Aroclor-1260	9.000	12400	-	5.900	ug/kg
CO40-003	749540.32	2085600.1	0.00	0.50	Lithium	12.600	20400	11.550	-	mg/kg
CO40-003	749540.32	2085600.1	0.00	0.50	Strontium	156.000	613000	48.940	-	mg/kg
CO40-003	749540.32	2085600.1	0.00	0.50	Uranium-234	2.380	300	2.253	-	pCi/g
CO40-003	749540.32	2085600.1	0.00	0.50	Uranium-235	0.198	8	0.094	-	pCi/g
CO40-003	749540.32	2085600.1	0.00	0.50	Uranium-238	2.380	351	2.000	-	pCi/g
CO40-003	749540.32	2085600.1	0.50	2.50	Methylene chloride	1.700	2530000	-	0.900	ug/kg
CO40-003	749540.32	2085600.1	0.50	2.50	Uranium-235	0.163	8	0.120	-	pCi/g
CO40-003	749540.32	2085600.1	2.50	4.50	Arsenic	18.900	22.2	13.140	-	mg/kg
CO40-003	749540.32	2085600.1	2.50	4.50	Methylene chloride	1.400	2530000	-	0.980	ug/kg
CO40-003	749540.32	2085600.1	2.50	4.50	Uranium-238	2.430	351	1.490	-	pCi/g
CO40-003	749540.32	2085600.1	4.50	6.50	Methylene chloride	1.300	2530000	-	1.000	ug/kg
CO40-003	749540.32	2085600.1	4.50	6.50	Uranium-235	0.258	8	0.120	-	pCi/g
CO40-003	749540.32	2085600.1	6.50	8.00	Acetone	15.000	102000000	-	5.400	ug/kg
CO40-003	749540.32	2085600.1	6.50	8.00	Methylene chloride	1.200	2530000	-	0.940	ug/kg
CO40-003	749540.32	2085600.1	6.50	8.00	Uranium-235	0.127	8	0.120	-	pCi/g
CO40-003	749540.32	2085600.1	6.50	8.00	Uranium-238	1.930	351	1.490	-	pCi/g
IHSS 900-153 In-Process Sampling Locations (sampling conducted during FY05 excavation activities)										
CQ40-008	749529.070	2085948.110	2.00	6.00	Tetrachloroethene	50000.000	615000	-	5180.000	ug/kg
CQ40-010	749529.210	2085953.360	7.00	7.50	1,2,4-Trichlorobenzene	3470.000	9230000	-	575.000	ug/kg
CQ40-010	749529.210	2085953.360	7.00	7.50	Aroclor-1254	25000.000	12400	-	760.000	ug/kg
CQ40-010	749529.210	2085953.360	7.00	7.50	Aroclor-1260	15000.000	12400	-	160.000	ug/kg
CQ40-010	749529.210	2085953.360	7.00	7.50	Tetrachloroethene	9230.000	615000	-	575.000	ug/kg
CQ40-011	749524.200	2085953.120	2.00	6.00	Aroclor-1254	22000.000	12400	-	760.000	ug/kg
CQ40-011	749524.200	2085953.120	2.00	6.00	Aroclor-1260	13000.000	12400	-	160.000	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	1,1,1-Trichloroethane	1200.000	79700000	-	1100.000	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	1,1-Dichloroethane	0.230	22500000	-	0.130	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	1,1-Dichloroethene	150.000	17000	-	0.300	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	1,2,4-Trichlorobenzene	16000.000	9230000	-	970.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-030	749542.19	2085946	3.00	3.50	1,2-Dichlorobenzene	13.000	31200000	-	0.097	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	1,2-Dichloroethane	8.800	106000	-	0.130	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	1,4-Dichlorobenzene	18.000	840000	-	0.140	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	2-Butanone	22.000	192000000	-	1.700	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	4-Methyl-2-pentanone	80.000	16400000	-	0.750	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Acetone	98.000	102000000	-	1.500	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Benzene	0.470	205000	-	0.097	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Bromodichloromethane	0.290	617000	-	0.097	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Chlorobenzene	2.100	6090000	-	0.075	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Ethylbenzene	22.000	4250000	-	0.097	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Methylene chloride	1.900	2530000	-	0.330	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Naphthalene	29.000	3090000	-	0.380	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Tetrachloroethene	430000.000	615000	-	1500.000	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Toluene	22.000	31300000	-	0.086	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Trichloroethene	8200.000	19600	-	1200.000	ug/kg
CQ41-030	749542.19	2085946	3.00	3.50	Xylene	120.000	2040000	-	0.032	ug/kg
CQ41-031	749542.05	2085949	3.00	3.50	1,1,1-Trichloroethane	144000.000	79700000	-	1080000.000	ug/kg
CQ41-031	749542.05	2085949	3.00	3.50	Tetrachloroethene	2010000.000	615000	-	1080000.000	ug/kg
CQ41-031	749542.05	2085949	3.00	3.50	Trichloroethene	169000.000	19600	-	1080000.000	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	1,1,1,2,2-Tetrachloroethane	200.000	100000	-	0.087	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	1,1-Dichloroethane	29.000	22500000	-	0.130	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	1,2,4-Trichlorobenzene	83.000	9230000	-	0.260	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	1,2-Dichlorobenzene	5.300	31200000	-	0.098	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	1,4-Dichlorobenzene	8.800	840000	-	0.140	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	2-Butanone	54.000	192000000	-	1.700	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	4-Methyl-2-pentanone	670.000	16400000	-	0.760	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	Benzene	15.000	205000	-	0.098	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	Carbon Tetrachloride	7000.000	81500	-	3700.000	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	Chloroform	6800.000	19200	-	4300.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-032	749541.76	2085951.8	3.00	3.50	Chloromethane	8.000	371000	-	0.340	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	Methylene chloride	5.300	2530000	-	0.340	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	Naphthalene	5.400	3090000	-	0.380	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	Tetrachloroethene	1600000.000	615000	-	5900.000	ug/kg
CQ41-032	749541.76	2085951.8	3.00	3.50	Trichloroethene	98000.000	19600	-	5000.000	ug/kg
CQ41-033	749541.81	2085954.9	3.00	3.50	Tetrachloroethene	169000.000	615000	-	26100.000	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	1,1,1-Trichloroethane	4300.000	79700000	-	870.000	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	1,1-Dichloroethane	3.300	22500000	-	0.660	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	1,1-Dichloroethene	640.000	17000	-	1.500	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	1,2,4-Trichlorobenzene	35000.000	9230000	-	790.000	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	1,2-Dichlorobenzene	170.000	31200000	-	0.490	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	1,2-Dichloroethane	39.000	106000	-	0.660	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	1,4-Dichlorobenzene	240.000	840000	-	0.710	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	4-Methyl-2-pentanone	20.000	16400000	-	3.800	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Acetone	40.000	102000000	-	7.500	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Benzene	3.200	205000	-	0.490	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Chlorobenzene	24.000	6090000	-	0.380	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Ethylbenzene	47.000	4250000	-	0.490	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Methylene chloride	11.000	2530000	-	1.700	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Naphthalene	110.000	3090000	-	1.900	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Tetrachloroethene	360000.000	615000	-	1200.000	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Toluene	56.000	31300000	-	0.440	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Trichloroethene	23000.000	19600	-	1000.000	ug/kg
CQ41-034	749541.66	2085957.9	3.00	3.50	Xylene	100.000	2040000	-	0.160	ug/kg
CQ41-035	749542.25	2085960.9	3.00	3.50	1,2,4-Trichlorobenzene	393000.000	9230000	-	55100.000	ug/kg
CQ41-035	749542.25	2085960.9	3.00	3.50	Tetrachloroethene	1910000.000	615000	-	55100.000	ug/kg
CQ41-035	749542.25	2085960.9	3.00	3.50	Trichloroethene	179000.000	19600	-	55100.000	ug/kg
CQ41-037	749629.48	2085961.9	0.00	0.50	Aroclor-1254	52.000	12400	-	6.800	ug/kg
CQ41-037	749629.48	2085961.9	0.00	0.50	Aroclor-1260	27.000	12400	-	1.400	ug/kg
CQ41-037	749629.48	2085961.9	0.50	2.50	Aroclor-1254	22.000	12400	-	8.100	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW/AL	Background Mean Plus 2 SD	RL	Unit
CQ41-037	749629.48	2085961.9	0.50	2.50	Tetrachloroethene	263.000	615000	-	37.300	ug/kg
CQ41-037	749629.48	2085961.9	0.50	2.50	Trichloroethene	80.000	19600	-	37.300	ug/kg
CQ41-037	749629.48	2085961.9	2.50	4.50	Aroclor-1016	190.000	46400	-	100.000	ug/kg
CQ41-037	749629.48	2085961.9	2.50	4.50	Aroclor-1254	3000.000	12400	-	150.000	ug/kg
CQ41-037	749629.48	2085961.9	2.50	4.50	Tetrachloroethene	18100.000	615000	-	3290.000	ug/kg
CQ41-037	749629.48	2085961.9	2.50	4.50	Trichloroethene	5690.000	19600	-	3290.000	ug/kg
CQ41-037	749629.48	2085961.9	4.50	6.50	Aroclor-1016	180.000	46400	-	47.000	ug/kg
CQ41-037	749629.48	2085961.9	4.50	6.50	Aroclor-1254	1800.000	12400	-	70.000	ug/kg
CQ41-037	749629.48	2085961.9	4.50	6.50	Tetrachloroethene	8150.000	615000	-	484.000	ug/kg
CQ41-037	749629.48	2085961.9	6.50	8.50	1,1,1-Trichloroethane	134.000	79700000	-	5.940	ug/kg
CQ41-037	749629.48	2085961.9	6.50	8.50	Aroclor-1254	200.000	12400	-	7.300	ug/kg
CQ41-037	749629.48	2085961.9	6.50	8.50	Carbon Tetrachloride	8.210	81500	-	5.940	ug/kg
CQ41-037	749629.48	2085961.9	6.50	8.50	Chloroform	23.600	19200	-	5.940	ug/kg
CQ41-037	749629.48	2085961.9	6.50	8.50	Tetrachloroethene	1090.000	615000	-	5.940	ug/kg
CQ41-037	749629.48	2085961.9	6.50	8.50	Trichloroethene	332.000	19600	-	5.940	ug/kg
CQ41-037	749629.48	2085961.9	8.50	10.50	1,1,1-Trichloroethane	592.000	79700000	-	284.000	ug/kg
CQ41-037	749629.48	2085961.9	8.50	10.50	Aroclor-1254	22.000	12400	-	8.700	ug/kg
CQ41-037	749629.48	2085961.9	8.50	10.50	Tetrachloroethene	15500.000	615000	-	284.000	ug/kg
CQ41-037	749629.48	2085961.9	8.50	10.50	Trichloroethene	2610.000	19600	-	284.000	ug/kg
CQ41-041	749591.53	2085942.3	0.00	0.50	Americium-241	0.027	76	Yes		pCi/g
CQ41-041	749591.53	2085942.3	0.00	0.50	Aroclor-1254	650.000	12400	-	76.000	ug/kg
CQ41-041	749591.53	2085942.3	0.00	0.50	Aroclor-1260	480.000	12400	-	16.000	ug/kg
CQ41-041	749591.53	2085942.3	0.00	0.50	Plutonium-239/240	0.094	50	Yes		pCi/g
CQ41-041	749591.53	2085942.3	0.00	0.50	Tetrachloroethene	25.400	615000	-	5.530	ug/kg
CQ41-041	749591.53	2085942.3	0.00	0.50	Trichloroethene	7.020	19600	-	5.530	ug/kg
CQ41-041	749591.53	2085942.3	0.50	2.50	Aroclor-1254	1300.000	12400	-	77.000	ug/kg
CQ41-041	749591.53	2085942.3	0.50	2.50	Plutonium-239/240	0.040	50	Yes		pCi/g
CQ41-041	749591.53	2085942.3	0.50	2.50	Tetrachloroethene	515000.000	615000	-	25700.000	ug/kg
CQ41-041	749591.53	2085942.3	0.50	2.50	Trichloroethene	29300.000	19600	-	25700.000	ug/kg
CQ41-041	749591.53	2085942.3	2.50	4.50	Tetrachloroethene	20000.000	615000	-	3650.000	ug/kg

Draft Closeout Report for IHSS Group 900-2

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-041	749591.53	2085942.3	2.50	4.50	Trichloroethene	14300.000	19600	-	3650.000	ug/kg
CQ41-041	749591.53	2085942.3	4.50	6.50	Aroclor-1254	530.000	12400	-	81.000	ug/kg
CQ41-041	749591.53	2085942.3	4.50	6.50	Tetrachloroethene	78000.000	615000	-	2820.000	ug/kg
CQ41-041	749591.53	2085942.3	4.50	6.50	Trichloroethene	5800.000	19600	-	2820.000	ug/kg
CQ41-041	749591.53	2085942.3	6.50	8.50	Aroclor-1254	120.000	12400	-	7.000	ug/kg
CQ41-041	749591.53	2085942.3	6.50	8.50	Tetrachloroethene	19.700	615000	-	5.550	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	1,1,1-Trichloroethane	13.000	79700000	-	0.630	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	1,2,4-Trichlorobenzene	16.000	9230000	-	1.400	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Acetone	35.000	102000000	-	7.900	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Aroclor-1254	3600.000	12400	-	1000.000	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Aroclor-1260	2000.000	12400	-	270.000	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Carbon Tetrachloride	12.000	81500	-	0.920	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Chloroform	4.500	19200	-	0.460	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Ethylbenzene	11.000	4250000	-	0.520	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Hexachlorobutadiene	2.700	147000	-	2.600	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Methylene chloride	22.000	2530000	-	1.800	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Naphthalene	18.000	3090000	-	2.000	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Tetrachloroethene	35000.000	615000	-	120.000	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Toluene	2.200	31300000	-	0.460	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Trichloroethene	340.000	19600	-	0.740	ug/kg
CQ41-066	749626.21	2085957.2	10.00	10.50	Xylene	19.000	2040000	-	0.170	ug/kg
CQ41-071	749638.33	2085974.5	0.00	0.50	Tetrachloroethene	13.000	615000	-	5.890	ug/kg
CQ41-071	749638.33	2085974.5	0.50	2.50	Tetrachloroethene	191.000	615000	-	6.200	ug/kg
CQ41-071	749638.33	2085974.5	0.50	2.50	Trichloroethene	39.200	19600	-	6.200	ug/kg
CQ41-071	749638.33	2085974.5	2.50	4.50	Tetrachloroethene	112.000	615000	-	11.200	ug/kg
CQ41-071	749638.33	2085974.5	4.50	6.50	Tetrachloroethene	154000.000	615000	-	5580.000	ug/kg
CQ41-071	749638.33	2085974.5	6.50	8.50	Tetrachloroethene	63700.000	615000	-	5620.000	ug/kg
CQ41-071	749638.33	2085974.5	8.50	10.50	1,1,1-Trichloroethane	358000.000	79700000	-	238000.000	ug/kg
CQ41-071	749638.33	2085974.5	8.50	10.50	Aroclor-1254	53000.000	12400	-	9500.000	ug/kg
CQ41-071	749638.33	2085974.5	8.50	10.50	Aroclor-1260	33000.000	12400	-	2500.000	ug/kg

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-071	749638.33	2085974.5	8.50	10.50	Tetrachloroethene	7520000.000	615000	-	2380000.000	ug/kg
CQ41-071	749638.33	2085974.5	8.50	10.50	Trichloroethene	831000.000	19600	-	2380000.000	ug/kg
CQ41-073	749638.34	2085984.6	6.50	8.50	Tetrachloroethene	566.000	615000	-	29.100	ug/kg
CQ41-073	749638.34	2085984.6	10.50	12.50	Tetrachloroethene	8330.000	615000	-	284.000	ug/kg
CQ41-073	749638.34	2085984.6	10.50	12.50	Tetrachloroethene	103.000	615000	-	5.760	ug/kg
CQ41-073	749638.34	2085984.6	12.50	14.50	Tetrachloroethene	1120000.000	615000	-	30900.000	ug/kg
CQ41-073	749638.34	2085984.6	12.50	14.50	Trichloroethene	49100.000	19600	-	30900.000	ug/kg
CQ41-074	749639.7	2085992.2	8.50	10.50	Tetrachloroethene	3910000.000	615000	-	257000.000	ug/kg
CQ41-074	749639.7	2085992.2	10.50	12.50	Tetrachloroethene	3540000.000	615000	-	152000.000	ug/kg
CQ41-074	749639.7	2085992.2	10.50	12.50	Trichloroethene	204000.000	19600	-	152000.000	ug/kg
CQ41-074	749639.7	2085992.2	12.50	14.00	Tetrachloroethene	659000.000	615000	-	28900.000	ug/kg
CQ41-078	749628.53	2085986.3	8.50	10.50	Tetrachloroethene	5550.000	615000	-	733.000	ug/kg
CQ41-078	749628.53	2085986.3	8.50	10.50	Trichloroethene	2670.000	19600	-	733.000	ug/kg
CQ41-078	749628.53	2085986.3	12.50	14.50	Tetrachloroethene	33.400	615000	-	12.000	ug/kg
CQ41-078	749628.53	2085986.3	12.50	14.50	Trichloroethene	33.300	19600	-	12.000	ug/kg
CQ41-079	749649.19	2085985.2	8.50	10.50	Tetrachloroethene	15100.000	615000	-	5620.000	ug/kg
CQ41-079	749649.19	2085985.2	10.50	11.50	Tetrachloroethene	2990000.000	615000	-	481000.000	ug/kg
CQ41-079	749649.19	2085985.2	12.50	13.50	Tetrachloroethene	67000.000	615000	-	2650.000	ug/kg
CQ41-083	749659.2	2085992.2	2.50	4.50	Tetrachloroethene	38.100	615000	-	5.470	ug/kg
CQ41-083	749659.2	2085992.2	2.50	4.50	Trichloroethene	8.030	19600	-	5.470	ug/kg
CQ41-083	749659.2	2085992.2	4.50	6.50	Tetrachloroethene	222.000	615000	-	27.500	ug/kg
CQ41-083	749659.2	2085992.2	4.50	6.50	Trichloroethene	76.400	19600	-	27.500	ug/kg
CQ41-083	749659.2	2085992.2	6.50	8.50	Tetrachloroethene	159000.000	615000	-	12900.000	ug/kg
CQ41-083	749659.2	2085992.2	6.50	8.50	Trichloroethene	108000.000	615000	-	7470.000	ug/kg
CQ41-083	749659.2	2085992.2	10.50	12.50	Tetrachloroethene	517.000	615000	-	479.000	ug/kg
CQ41-083	749659.2	2085992.2	12.50	14.50	Tetrachloroethene	16900.000	615000	-	706.000	ug/kg
CQ41-085	749669.45	2085992.6	2.50	4.50	Tetrachloroethene	8.420	79700000	-	5.180	ug/kg
CQ41-085	749669.45	2085992.6	2.50	4.50	1,1,1-Trichloroethane	25.000	79700000	-	5.970	ug/kg
CQ41-085	749669.45	2085992.6	2.50	4.50	Tetrachloroethene	107.000	615000	-	5.180	ug/kg
CQ41-085	749669.45	2085992.6	2.50	4.50	Trichloroethene	27.400	19600	-	5.180	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-085	749669.45	2085992.6	4.50	6.50	Tetrachloroethene	206.000	61500	-	5.970	ug/kg
CQ41-085	749669.45	2085992.6	8.50	10.50	Tetrachloroethene	1540.000	61500	-	287.000	ug/kg
CQ41-085	749669.45	2085992.6	8.50	10.50	Trichloroethene	542.000	19600	-	287.000	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	1,1,1-Trichloroethane	91.000	79700000	-	0.130	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	1,1-Dichloroethene	6.000	17000	-	0.320	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	1,2,4-Trichlorobenzene	24.000	9230000	-	0.270	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	1,2-Dichlorobenzene	0.990	31200000	-	0.100	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	1,2-Dichloroethane	0.310	106000	-	0.140	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Acetone	12.000	102000000	-	1.600	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Aroclor-1254	23000.000	12400	-	5200.000	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Aroclor-1260	11000.000	12400	-	1400.000	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Benzene	0.110	205000	-	0.100	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Carbon Tetrachloride	4.800	81500	-	0.180	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Chloroform	0.460	19200	-	0.091	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Ethylbenzene	130.000	4250000	-	0.100	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Hexachlorobutadiene	4.600	147000	-	0.510	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Methylene chloride	4.600	2530000	-	0.350	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Naphthalene	52.000	3090000	-	0.400	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Tetrachloroethene	340000.000	615000	-	1500.000	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Toluene	71.000	31300000	-	0.091	ug/kg
CQ41-088	749658.6	2085990.6	8.00	12.00	Xylene	470.000	2040000	-	0.034	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	1,1,1-Trichloroethane	5.200	79700000	-	0.130	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	1,1-Dichloroethene	0.970	17000	-	0.330	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	1,2,4-Trichlorobenzene	5.200	9230000	-	0.280	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	1,2-Dichloroethane	1.900	106000	-	0.140	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	4-Methyl-2-pentanone	1.000	16400000	-	0.810	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Acetone	13.000	102000000	-	1.600	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Aroclor-1254	5500.000	12400	-	2100.000	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Aroclor-1260	2500.000	12400	-	560.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW/AL	Background Mean Plus 2 SD	RL	Unit
CQ41-090	749652.48	2085975.2	8.00	12.00	Chloroform	1.600	19200	-	0.093	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Ethylbenzene	3.400	4250000	-	0.100	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Hexachlorobutadiene	0.900	147000	-	0.520	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Methylene chloride	5.300	2530000	-	0.360	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Naphthalene	13.000	3090000	-	0.410	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Tetrachloroethene	2100.000	615000	-	31.000	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Toluene	2.000	31300000	-	0.093	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Trichloroethene	110.000	19600	-	0.150	ug/kg
CQ41-090	749652.48	2085975.2	8.00	12.00	Xylene	22.000	2040000	-	0.035	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	1,1,1-Trichloroethane	57.000	79700000	-	0.130	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	1,1-Dichloroethene	3.600	17000	-	0.320	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	1,2,4-Trichlorobenzene	35.000	9230000	-	0.280	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	1,2-Dichlorobenzene	0.900	31200000	-	0.100	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	1,2-Dichloroethane	3.200	106000	-	0.140	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	1,4-Dichlorobenzene	1.200	840000	-	0.150	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	4-Methyl-2-pentanone	7.000	16400000	-	0.810	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Acetone	14.000	102000000	-	1.600	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Aroclor-1254	7800.000	12400	-	2000.000	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Aroclor-1260	3800.000	12400	-	530.000	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Carbon Tetrachloride	2.500	81500	-	0.190	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Chloroform	2.200	19200	-	0.093	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Ethylbenzene	51.000	4250000	-	0.100	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Hexachlorobutadiene	1.400	147000	-	0.520	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Methylene chloride	5.400	2530000	-	0.360	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Naphthalene	31.000	3090000	-	0.410	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Tetrachloroethene	54000.000	615000	-	210.000	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Toluene	21.000	31300000	-	0.093	ug/kg
CQ41-091	749649.73	2085993	12.00	13.00	Xylene	180.000	2040000	-	0.035	ug/kg
CQ41-096	749655.67	2085988.6	13.00	14.00	Tetrachloroethene	2800000.000	615000	-	312000.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW-AL	Background Mean Plus 2 SD	RL	Unit
IHSS 900-153 Confirmation Sampling Locations (sampling conducted during FY05 excavation activities)										
CQ40-014	749517.67	2085953.4	3.00	6.00	1,2,4-Trichlorobenzene	5.400	9230000	-	0.270	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Acetone	6.800	102000000	-	1.500	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Aroclor-1254	120.000	12400	-	7.400	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Aroclor-1260	110.000	12400	-	1.600	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Chloroform	1.700	19200	-	0.090	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Methylene chloride	3.000	2530000	-	0.350	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Naphthalene	0.420	3090000	-	0.390	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Tetrachloroethene	0.540	615000	-	0.190	ug/kg
CQ40-014	749517.67	2085953.4	3.00	6.00	Trichloroethene	0.340	19600	-	0.150	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,1,1-Trichloroethane	8.400	79700000	-	0.130	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,1,2-Trichloroethane	0.840	236000	-	0.220	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,1-Dichloroethane	0.180	22500000	-	0.140	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,1-Dichloroethene	0.470	17000	-	0.320	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,2,4-Trichlorobenzene	6.900	9230000	-	0.280	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,2-Dichlorobenzene	0.120	31200000	-	0.100	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,2-Dichloroethane	2.100	106000	-	0.140	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	1,4-Dichlorobenzene	0.250	840000	-	0.150	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	Acetone	11.000	102000000	-	1.600	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	Aroclor-1254	5500.000	12400	-	150.000	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	Carbon Tetrachloride	0.310	81500	-	0.180	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	Chloroform	70.000	19200	-	0.092	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	Methylene chloride	2.600	2530000	-	0.360	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	Tetrachloroethene	110.000	615000	-	0.190	ug/kg
CQ40-015	749526.65	2085943.5	3.00	6.00	Trichloroethene	25.000	19600	-	0.150	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	1,1,1-Trichloroethane	0.200	79700000	-	0.120	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	1,2,4-Trichlorobenzene	100.000	9230000	-	0.270	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	Acetone	12.000	102000000	-	1.600	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	Aroclor-1254	11000.000	12400	-	370.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ40-016	749527.77	2085963.3	3.00	6.00	Aroclor-1260	12000.000	12400	-	79.000	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	Chloroform	1.300	19200	-	0.091	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	Methylene chloride	3.000	2530000	-	0.350	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	Tetrachloroethene	5.500	615000	-	0.190	ug/kg
CQ40-016	749527.77	2085963.3	3.00	6.00	Trichloroethene	0.680	19600	-	0.150	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,1,1-Trichloroethane	32.000	79700000	-	0.120	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,1,2-Trichloroethane	2.300	236000	-	0.210	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,1-Dichloroethane	0.210	22500000	-	0.130	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,1-Dichloroethene	1.600	17000	-	0.310	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,2,4-Trichlorobenzene	750.000	9230000	-	20.000	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,2-Dichlorobenzene	2.700	31200000	-	0.099	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,2-Dichloroethane	4.400	106000	-	0.130	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	1,4-Dichlorobenzene	3.200	840000	-	0.140	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	4-Methyl-2-pentanone	1.600	16400000	-	0.770	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Acetone	12.000	102000000	-	1.500	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Aroclor-1254	2600.000	12400	-	140.000	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Aroclor-1260	3000.000	12400	-	31.000	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Carbon Tetrachloride	1.700	81500	-	0.180	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Chloroform	120.000	19200	-	0.088	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Ethylbenzene	0.530	4250000	-	0.099	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Methylene chloride	2.700	2530000	-	0.340	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Naphthalene	5.500	3090000	-	0.380	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Tetrachloroethene	940.000	615000	-	30.000	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Toluene	0.240	31300000	-	0.088	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Trichloroethene	95.000	19600	-	0.140	ug/kg
CQ40-017	749529.22	2085953.4	9.50	10.00	Xylene	2.700	2040000	-	0.033	ug/kg
CQ40-018	749600.31	2085943.3	5.00	7.00	Tetrachloroethene	34300.000	615000	-	27900.000	ug/kg
CQ41-038	749608.74	2085970.2	0.00	0.50	1,1,1-Trichloroethane	6.860	79700000	-	6.020	ug/kg
CQ41-038	749608.74	2085970.2	0.00	0.50	Aroclor-1260	33.000	12400	-	1.600	ug/kg
CQ41-038	749608.74	2085970.2	0.00	0.50	Tetrachloroethene	37.200	615000	-	6.020	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-038	749608.74	2085970.2	0.00	0.50	Trichloroethene	12.500	19600	-	6.020	ug/kg
CQ41-038	749608.74	2085970.2	0.50	2.50	Aroclor-1254	550.000	12400	-	82.000	ug/kg
CQ41-038	749608.74	2085970.2	0.50	2.50	Aroclor-1260	570.000	12400	-	17.000	ug/kg
CQ41-038	749608.74	2085970.2	0.50	2.50	Plutonium-239/240	0.069	50	Yes		pCi/g
CQ41-038	749608.74	2085970.2	0.50	2.50	Tetrachloroethene	55.300	615000	-	6.100	ug/kg
CQ41-038	749608.74	2085970.2	0.50	2.50	Trichloroethene	29.900	19600	-	6.100	ug/kg
CQ41-038	749608.74	2085970.2	2.50	4.50	Aroclor-1254	1200.000	12400	-	410.000	ug/kg
CQ41-038	749608.74	2085970.2	2.50	4.50	Aroclor-1260	430.000	12400	-	86.000	ug/kg
CQ41-038	749608.74	2085970.2	2.50	4.50	Tetrachloroethene	11400.000	615000	-	575.000	ug/kg
CQ41-038	749608.74	2085970.2	2.50	4.50	Trichloroethene	2410.000	19600	-	575.000	ug/kg
CQ41-038	749608.74	2085970.2	4.50	5.00	Aroclor-1254	2600.000	12400	-	340.000	ug/kg
CQ41-038	749608.74	2085970.2	4.50	5.00	Aroclor-1260	690.000	12400	-	73.000	ug/kg
CQ41-038	749608.74	2085970.2	4.50	5.00	Tetrachloroethene	124000.000	615000	-	532.000	ug/kg
CQ41-038	749608.74	2085970.2	4.50	5.00	Trichloroethene	1200.000	19600	-	532.000	ug/kg
CQ41-039	749608.29	2085943.9	0.00	0.50	Aroclor-1254	220.000	12400	-	7.400	ug/kg
CQ41-039	749608.29	2085943.9	0.00	0.50	Aroclor-1260	97.000	12400	-	1.600	ug/kg
CQ41-039	749608.29	2085943.9	0.00	0.50	Plutonium-239/240	0.112	50	Yes		pCi/g
CQ41-039	749608.29	2085943.9	0.00	0.50	Tetrachloroethene	389.000	615000	-	28.200	ug/kg
CQ41-039	749608.29	2085943.9	0.00	0.50	Trichloroethene	28.800	19600	-	28.200	ug/kg
CQ41-039	749608.29	2085943.9	0.50	2.50	Americium-241	0.051	76	Yes		pCi/g
CQ41-039	749608.29	2085943.9	0.50	2.50	Aroclor-1254	1100.000	12400	-	41.000	ug/kg
CQ41-039	749608.29	2085943.9	0.50	2.50	Aroclor-1260	310.000	12400	-	8.600	ug/kg
CQ41-039	749608.29	2085943.9	0.50	2.50	Plutonium-239/240	0.111	50	Yes		pCi/g
CQ41-039	749608.29	2085943.9	0.50	2.50	Tetrachloroethene	45300.000	615000	-	573.000	ug/kg
CQ41-039	749608.29	2085943.9	0.50	2.50	Trichloroethene	3260.000	19600	-	573.000	ug/kg
CQ41-039	749608.29	2085943.9	2.50	4.50	Aroclor-1254	840.000	12400	-	38.000	ug/kg
CQ41-039	749608.29	2085943.9	2.50	4.50	Aroclor-1260	220.000	12400	-	8.100	ug/kg
CQ41-039	749608.29	2085943.9	2.50	4.50	Tetrachloroethene	31000.000	615000	-	497.000	ug/kg
CQ41-039	749608.29	2085943.9	2.50	4.50	Trichloroethene	837.000	19600	-	497.000	ug/kg
CQ41-039	749608.29	2085943.9	4.50	6.00	1,1,1-Trichloroethane	814.000	79700000	-	507.000	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW/AL	Background Mean Plus 2 SD	RL	Unit
CQ41-039	749608.29	2085943.9	4.50	6.00	Aroclor-1254	3600.000	12400	-	370.000	ug/kg
CQ41-039	749608.29	2085943.9	4.50	6.00	Aroclor-1260	1100.000	12400	-	79.000	ug/kg
CQ41-039	749608.29	2085943.9	4.50	6.00	Tetrachloroethene	332000.000	615000	-	507.000	ug/kg
CQ41-039	749608.29	2085943.9	4.50	6.00	Trichloroethene	6620.000	19600	-	507.000	ug/kg
CQ41-040	749590.94	2085970.1	0.00	0.50	Tetrachloroethene	53.000	615000	-	5.420	ug/kg
CQ41-040	749590.94	2085970.1	0.00	0.50	Trichloroethene	24.300	19600	-	5.420	ug/kg
CQ41-040	749590.94	2085970.1	0.50	2.50	Americium-241	0.058	76	Yes		pCi/g
CQ41-040	749590.94	2085970.1	0.50	2.50	Aroclor-1254	100.000	12400	-	7.700	ug/kg
CQ41-040	749590.94	2085970.1	0.50	2.50	Plutonium-239/240	0.165	50	Yes		pCi/g
CQ41-040	749590.94	2085970.1	0.50	2.50	Tetrachloroethene	2380.000	615000	-	586.000	ug/kg
CQ41-040	749590.94	2085970.1	2.50	4.50	Aroclor-1254	540.000	12400	-	82.000	ug/kg
CQ41-040	749590.94	2085970.1	2.50	4.50	Tetrachloroethene	20300.000	615000	-	2540.000	ug/kg
CQ41-040	749590.94	2085970.1	2.50	4.50	Trichloroethene	11600.000	19600	-	2540.000	ug/kg
CQ41-040	749590.94	2085970.1	4.50	6.50	Aroclor-1254	20.000	12400	-	7.500	ug/kg
CQ41-040	749590.94	2085970.1	4.50	6.50	Chloroform	12.600	19200	-	5.970	ug/kg
CQ41-040	749590.94	2085970.1	4.50	6.50	Tetrachloroethene	30.200	615000	-	5.970	ug/kg
CQ41-040	749590.94	2085970.1	4.50	6.50	Trichloroethene	26.300	19600	-	5.970	ug/kg
CQ41-062	749593.97	2085943.3	2.00	7.00	1,2,4-Trichlorobenzene	370.000	9230000	-	170.000	ug/kg
CQ41-062	749593.97	2085943.3	2.00	7.00	Aroclor-1254	9900.000	12400	-	2000.000	ug/kg
CQ41-062	749593.97	2085943.3	2.00	7.00	Aroclor-1260	6200.000	12400	-	540.000	ug/kg
CQ41-062	749593.97	2085943.3	2.00	7.00	Tetrachloroethene	380000.000	615000	-	1600.000	ug/kg
CQ41-062	749593.97	2085943.3	2.00	7.00	Trichloroethene	360.000	19600	-	220.000	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	1,1,1-Trichloroethane	5.700	79700000	-	0.130	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	1,2,4-Trichlorobenzene	3.500	9230000	-	0.270	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Acetone	7.000	102000000	-	1.600	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Aroclor-1254	3300.000	12400	-	790.000	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Aroclor-1260	2000.000	12400	-	210.000	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Chloroform	0.430	19200	-	0.091	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Ethylbenzene	2.000	4250000	-	0.100	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Styrene	0.100	123000000	-	0.080	ug/kg

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-063	749593.18	2085968.8	2.00	7.00	Tetrachloroethene	6600.000	615000	-	31.000	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Toluene	0.570	31300000	-	0.091	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Trichloroethene	570.000	19600	-	0.740	ug/kg
CQ41-063	749593.18	2085968.8	2.00	7.00	Xylene	3.400	2040000	-	0.034	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	1,1,1-Trichloroethane	0.420	79700000	-	0.130	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	1,2,4-Trichlorobenzene	38.000	9230000	-	0.280	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Acetone	4.200	102000000	-	1.600	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Aroclor-1254	2400.000	12400	-	500.000	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Aroclor-1260	1700.000	12400	-	130.000	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Hexachlorobutadiene	2.400	147000	-	0.530	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Naphthalene	2.400	3090000	-	0.410	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Tetrachloroethene	690.000	615000	-	0.990	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Toluene	0.160	31300000	-	0.093	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Trichloroethene	22.000	19600	-	0.150	ug/kg
CQ41-064	749593.8	2085956	10.00	10.50	Xylene	0.580	2040000	-	0.035	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	1,1,1-Trichloroethane	2.100	79700000	-	0.630	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	1,2,4-Trichlorobenzene	11.000	9230000	-	1.400	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Acetone	43.000	102000000	-	7.900	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Aroclor-1254	1700.000	12400	-	400.000	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Aroclor-1260	1000.000	12400	-	100.000	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Carbon Tetrachloride	19.000	81500	-	0.920	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Chloroform	7.200	19200	-	0.460	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Ethylbenzene	4.200	4250000	-	0.520	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Hexachlorobutadiene	2.700	147000	-	2.600	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Methylene chloride	21.000	2530000	-	1.800	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Naphthalene	8.400	3090000	-	2.000	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Tetrachloroethene	3700.000	615000	-	31.000	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Toluene	0.680	31300000	-	0.460	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Trichloroethene	62.000	19600	-	0.750	ug/kg
CQ41-065	749627.75	2085944.6	2.00	7.00	Xylene	8.400	2040000	-	0.170	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW/AL	Background Mean Plus 2 SD	RL	Unit
CQ41-067	749624.65	2085969.9	2.00	7.00	1,1,1-Trichloroethane	3.800	79700000	-	0.640	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Acetone	68.000	102000000	-	8.000	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Aroclor-1254	8100.000	12400	-	2000.000	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Aroclor-1260	4800.000	12400	-	540.000	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Carbon Tetrachloride	7.000	81500	-	0.930	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Chloroform	2.600	19200	-	0.460	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Ethylbenzene	9.200	4250000	-	0.520	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Hexachlorobutadiene	2.900	147000	-	2.600	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Methylene chloride	23.000	2530000	-	1.800	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Tetrachloroethene	2400.000	615000	-	31.000	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Toluene	1.400	31300000	-	0.460	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Trichloroethene	74.000	19600	-	0.750	ug/kg
CQ41-067	749624.65	2085969.9	2.00	7.00	Xylene	29.000	2040000	-	0.170	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	1,2,4-Trichlorobenzene	3.900	9230000	-	0.260	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Acetone	12.000	102000000	-	1.500	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Aroclor-1254	890.000	12400	-	180.000	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Aroclor-1260	540.000	12400	-	49.000	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Chloroform	0.095	19200	-	0.086	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Hexachlorobutadiene	0.670	147000	-	0.490	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Methylene chloride	1.600	2530000	-	0.330	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Naphthalene	4.100	3090000	-	0.380	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Tetrachloroethene	81.000	615000	-	0.180	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Trichloroethene	0.460	19600	-	0.140	ug/kg
CQ41-068	749630.18	2085955.8	2.00	7.00	Xylene	0.110	2040000	-	0.032	ug/kg
CQ41-069	749640.18	2085957.7	0.00	0.50	Tetrachloroethene	34.500	615000	-	5.300	ug/kg
CQ41-069	749640.18	2085957.7	0.00	0.50	Trichloroethene	14.400	19600	-	5.300	ug/kg
CQ41-069	749640.18	2085957.7	0.50	2.50	1,1,1-Trichloroethane	71.600	79700000	-	5.330	ug/kg
CQ41-069	749640.18	2085957.7	0.50	2.50	1,1-Dichloroethene	7.150	17000	-	5.330	ug/kg
CQ41-069	749640.18	2085957.7	0.50	2.50	Tetrachloroethene	500.000	615000	-	5.330	ug/kg
CQ41-069	749640.18	2085957.7	0.50	2.50	Trichloroethene	320.000	19600	-	5.330	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-069	749640.18	2085957.7	2.50	4.50	Tetrachloroethene	11.300	615000	-	5.890	ug/kg
CQ41-069	749640.18	2085957.7	4.50	6.50	1,1,1-Trichloroethane	9.070	79700000	-	5.540	ug/kg
CQ41-069	749640.18	2085957.7	4.50	6.50	Tetrachloroethene	69.100	615000	-	5.540	ug/kg
CQ41-069	749640.18	2085957.7	4.50	6.50	Tetrachloroethene	47.700	19600	-	5.540	ug/kg
CQ41-069	749640.18	2085957.7	6.50	8.50	Tetrachloroethene	23.300	615000	-	5.090	ug/kg
CQ41-069	749640.18	2085957.7	6.50	8.50	Trichloroethene	18.000	19600	-	5.090	ug/kg
CQ41-069	749640.18	2085957.7	8.50	10.50	1,1,1-Trichloroethane	15.400	79700000	-	6.240	ug/kg
CQ41-069	749640.18	2085957.7	8.50	10.50	Chloroform	9.670	19200	-	6.240	ug/kg
CQ41-069	749640.18	2085957.7	8.50	10.50	Tetrachloroethene	81.200	615000	-	6.240	ug/kg
CQ41-069	749640.18	2085957.7	8.50	10.50	Trichloroethene	48.200	19600	-	6.240	ug/kg
CQ41-070	749640.97	2085943	0.00	0.50	1,1,1-Trichloroethane	47.700	79700000	-	5.470	ug/kg
CQ41-070	749640.97	2085943	0.00	0.50	1,1-Dichloroethene	7.900	17000	-	5.470	ug/kg
CQ41-070	749640.97	2085943	0.00	0.50	Tetrachloroethene	533.000	615000	-	5.470	ug/kg
CQ41-070	749640.97	2085943	0.00	0.50	Trichloroethene	200.000	19600	-	5.470	ug/kg
CQ41-070	749640.97	2085943	0.50	2.50	1,1,1-Trichloroethane	67.800	79700000	-	5.550	ug/kg
CQ41-070	749640.97	2085943	0.50	2.50	1,1-Dichloroethene	7.220	17000	-	5.550	ug/kg
CQ41-070	749640.97	2085943	0.50	2.50	Tetrachloroethene	403.000	615000	-	5.550	ug/kg
CQ41-070	749640.97	2085943	0.50	2.50	Trichloroethene	267.000	19600	-	5.550	ug/kg
CQ41-070	749640.97	2085943	2.50	4.50	1,1,1-Trichloroethane	103.000	615000	-	5.840	ug/kg
CQ41-070	749640.97	2085943	2.50	4.50	Trichloroethene	50.600	19600	-	5.840	ug/kg
CQ41-070	749640.97	2085943	6.50	8.50	1,1,1-Trichloroethane	6.500	79700000	-	5.600	ug/kg
CQ41-070	749640.97	2085943	6.50	8.50	Tetrachloroethene	50.400	615000	-	5.600	ug/kg
CQ41-070	749640.97	2085943	6.50	8.50	Trichloroethene	23.500	19600	-	5.600	ug/kg
CQ41-070	749640.97	2085943	8.50	10.50	1,1,1-Trichloroethane	23.000	79700000	-	6.330	ug/kg
CQ41-070	749640.97	2085943	8.50	10.50	Tetrachloroethene	23.700	615000	-	6.330	ug/kg
CQ41-070	749640.97	2085943	8.50	10.50	Trichloroethene	12.700	19600	-	6.330	ug/kg
CQ41-072	749648.37	2085974.5	0.00	0.50	Tetrachloroethene	24.800	615000	-	5.900	ug/kg
CQ41-072	749648.37	2085974.5	0.00	0.50	Trichloroethene	7.900	19600	-	5.900	ug/kg
CQ41-072	749648.37	2085974.5	0.50	2.50	Tetrachloroethene	19.600	615000	-	5.370	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-072	749648.37	2085974.5	0.50	2.50	Trichloroethene	14.000	19600	-	5.370	ug/kg
CQ41-072	749648.37	2085974.5	4.50	6.50	Tetrachloroethene	5.480	615000	-	5.430	ug/kg
CQ41-072	749648.37	2085974.5	6.50	8.50	Tetrachloroethene	182.000	615000	-	20.400	ug/kg
CQ41-072	749648.37	2085974.5	6.50	8.50	Trichloroethene	63.200	19600	-	20.400	ug/kg
CQ41-072	749648.37	2085974.5	8.50	10.50	Tetrachloroethene	773.000	615000	-	144.000	ug/kg
CQ41-072	749648.37	2085974.5	10.50	12.50	Tetrachloroethene	28100.000	615000	-	2840.000	ug/kg
CQ41-072	749648.37	2085974.5	12.50	14.50	Tetrachloroethene	35300.000	615000	-	1190.000	ug/kg
CQ41-072	749648.37	2085974.5	12.50	14.50	Trichloroethene	2190.000	19600	-	1190.000	ug/kg
CQ41-072	749648.37	2085974.5	14.50	16.50	Tetrachloroethene	4720.000	615000	-	300.000	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	1,1,1-Trichloroethane	1.400	79700000	-	0.130	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	1,2-Dichloroethane	1.500	106000	-	0.140	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	Aroclor-1254	33.000	12400	-	20.000	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	Aroclor-1260	16.000	12400	-	5.400	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	Chloroform	0.250	19200	-	0.093	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	Methylene chloride	2.000	2530000	-	0.360	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	Tetrachloroethene	8.800	615000	-	0.200	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	Toluene	0.100	31300000	-	0.093	ug/kg
CQ41-075	749607.64	2085955.6	11.00	12.00	Trichloroethene	8.500	19600	-	0.150	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	1,1,1-Trichloroethane	120.000	79700000	-	0.130	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	1,1,2-Trichloroethane	0.960	236000	-	0.220	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	1,1-Dichloroethane	0.420	22500000	-	0.140	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	1,1-Dichloroethene	5.200	17000	-	0.330	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	1,2,4-Trichlorobenzene	0.660	9230000	-	0.280	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	1,2-Dichloroethane	7.400	106000	-	0.140	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	4-Methyl-2-pentanone	9.200	16400000	-	0.830	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Acetone	9.900	102000000	-	1.600	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Aroclor-1254	3600.000	12400	-	830.000	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Aroclor-1260	1900.000	12400	-	220.000	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Chloroform	0.920	19200	-	0.095	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Ethylbenzene	4.600	4250000	-	0.110	ug/kg

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Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-076	749628.95	2085957	15.00	16.00	Methylene chloride	2.000	2530000	-	0.370	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Tetrachloroethene	2800.000	615000	-	32.000	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Toluene	9.500	31300000	-	0.095	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Trichloroethene	35.000	19600	-	27.000	ug/kg
CQ41-076	749628.95	2085957	15.00	16.00	Xylene	23.000	2040000	-	0.036	ug/kg
CQ41-080	749648.46	2085958.5	8.50	10.50	Tetrachloroethene	5.930	615000	-	5.480	ug/kg
CQ41-080	749648.46	2085958.5	8.50	10.50	Trichloroethene	11.600	19600	-	5.480	ug/kg
CQ41-080	749648.46	2085958.5	10.50	12.50	1,1,1-Trichloroethane	27.200	79700000	-	5.630	ug/kg
CQ41-080	749648.46	2085958.5	10.50	12.50	Chloroform	11.700	19200	-	5.630	ug/kg
CQ41-080	749648.46	2085958.5	10.50	12.50	Tetrachloroethene	129.000	615000	-	5.630	ug/kg
CQ41-080	749648.46	2085958.5	10.50	12.50	Trichloroethene	62.900	19600	-	5.630	ug/kg
CQ41-080	749648.46	2085958.5	12.50	14.50	Tetrachloroethene	11500.000	615000	-	1140.000	ug/kg
CQ41-081	749632.08	2086014	8.50	10.50	Tetrachloroethene	278.000	615000	-	20.900	ug/kg
CQ41-081	749632.08	2086014	8.50	10.50	Trichloroethene	48.000	19600	-	20.900	ug/kg
CQ41-081	749632.08	2086014	10.50	12.50	Tetrachloroethene	201.000	615000	-	22.200	ug/kg
CQ41-081	749632.08	2086014	10.50	12.50	Trichloroethene	64.700	19600	-	22.200	ug/kg
CQ41-081	749632.08	2086014	12.50	14.50	Tetrachloroethene	53.400	615000	-	6.380	ug/kg
CQ41-081	749632.08	2086014	12.50	14.50	Trichloroethene	21.000	19600	-	6.380	ug/kg
CQ41-082	749659.17	2085985.3	6.50	8.50	Tetrachloroethene	235.000	615000	-	32.800	ug/kg
CQ41-082	749659.17	2085985.3	6.50	8.50	1,1,1-Trichloroethane	34.100	79700000	-	32.800	ug/kg
CQ41-082	749659.17	2085985.3	8.50	10.50	Tetrachloroethene	169.000	19600	-	32.800	ug/kg
CQ41-082	749659.17	2085985.3	8.50	10.50	1,1,1-Trichloroethane	42.400	79700000	-	28.100	ug/kg
CQ41-082	749659.17	2085985.3	8.50	10.50	Tetrachloroethene	606.000	615000	-	28.100	ug/kg
CQ41-082	749659.17	2085985.3	8.50	10.50	Trichloroethene	313.000	19600	-	28.100	ug/kg
CQ41-082	749659.17	2085985.3	10.50	12.50	1,1,1-Trichloroethane	86.500	79700000	-	20.800	ug/kg
CQ41-082	749659.17	2085985.3	10.50	12.50	1,1-Dichloroethene	61.300	17000	-	20.800	ug/kg
CQ41-082	749659.17	2085985.3	10.50	12.50	Tetrachloroethene	888.000	615000	-	20.800	ug/kg
CQ41-082	749659.17	2085985.3	10.50	12.50	Trichloroethene	926.000	19600	-	20.800	ug/kg
CQ41-082	749659.17	2085985.3	12.50	14.50	Tetrachloroethene	14.300	615000	-	5.740	ug/kg

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-082	749659.17	2085985.3	12.50	14.50	Trichloroethene	15.800	19600	-	5.740	ug/kg
CQ41-084	749639.67	2086014	8.50	10.50	Tetrachloroethene	7400.000	615000	-	305.000	ug/kg
CQ41-084	749639.67	2086014	8.50	10.50	Trichloroethene	916.000	19600	-	305.000	ug/kg
CQ41-084	749639.67	2086014	10.50	12.50	Tetrachloroethene	2380.000	615000	-	291.000	ug/kg
CQ41-084	749639.67	2086014	10.50	12.50	Trichloroethene	509.000	19600	-	291.000	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	1,1,1-Trichloroethane	8.900	79700000	-	0.120	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	1,1-Dichloroethene	0.710	17000	-	0.300	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	1,2,4-Trichlorobenzene	3.100	9230000	-	0.260	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	2-Butanone	8.200	192000000	-	1.700	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	4-Methyl-2-pentanone	15.000	16400000	-	0.760	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Acetone	120.000	102000000	-	1.500	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Aroclor-1254	2300.000	12400	-	790.000	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Aroclor-1260	1100.000	12400	-	210.000	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Carbon Tetrachloride	0.540	81500	-	0.170	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Ethylbenzene	5.900	4250000	-	0.097	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Hexachlorobutadiene	0.680	147000	-	0.490	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Methylene chloride	4.300	2530000	-	0.330	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Naphthalene	3.300	3090000	-	0.380	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Tetrachloroethene	5300.000	615000	-	29.000	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Toluene	0.200	31300000	-	0.086	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Trichloroethene	53.000	19600	-	0.140	ug/kg
CQ41-087	749593.69	2085933.3	0.00	10.00	Xylene	2.900	2040000	-	0.032	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	1,1,1-Trichloroethane	0.630	79700000	-	0.120	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	1,2,4-Trichlorobenzene	0.450	9230000	-	0.270	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	Acetone	13.000	102000000	-	1.500	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	Aroclor-1254	240.000	12400	-	98.000	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	Aroclor-1260	130.000	12400	-	26.000	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	Methylene chloride	3.000	2530000	-	0.350	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	Tetrachloroethene	47.000	615000	-	0.190	ug/kg
CQ41-089	749646.99	2086010.8	8.00	12.00	Toluene	0.091	31300000	-	0.089	ug/kg

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-089	749646.99	2086010.8	8.00	12.00	Trichloroethene	6.000	19600	-	0.140	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	1,1,1-Trichloroethane	13.000	79700000	-	0.120	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	1,1-Dichloroethene	0.850	17000	-	0.310	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	1,2,4-Trichlorobenzene	21.000	9230000	-	0.270	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	1,2-Dichlorobenzene	0.110	31200000	-	0.100	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	1,2-Dichloroethane	0.790	106000	-	0.130	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Acetone	4.700	102000000	-	1.500	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Aroclor-1254	2300.000	12400	-	800.000	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Aroclor-1260	1200.000	12400	-	210.000	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Carbon Tetrachloride	0.440	81500	-	0.180	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Chloroform	1.800	19200	-	0.089	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Ethylbenzene	0.180	4250000	-	0.100	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Hexachlorobutadiene	0.500	147000	-	0.500	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Methylene chloride	2.200	2530000	-	0.350	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Tetrachloroethene	700.000	615000	-	0.950	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Toluene	0.130	31300000	-	0.089	ug/kg
CQ41-093	749628.96	2085985.1	8.00	12.00	Trichloroethene	67.000	19600	-	0.150	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	1,1,1-Trichloroethane	10.000	79700000	-	0.130	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	1,1-Dichloroethene	1.600	17000	-	0.320	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	1,2,4-Trichlorobenzene	0.530	9230000	-	0.280	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	1,2-Dichloroethane	0.440	106000	-	0.140	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Acetone	63.000	102000000	-	1.600	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Aroclor-1254	190.000	12400	-	100.000	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Aroclor-1260	90.000	12400	-	28.000	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Carbon Tetrachloride	3.000	81500	-	0.180	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Chloroform	1.200	19200	-	0.092	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Ethylbenzene	0.300	4250000	-	0.100	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Methylene chloride	1.500	2530000	-	0.360	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Naphthalene	2.000	3090000	-	0.400	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Tetrachloroethene	330.000	615000	-	0.980	ug/kg

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Draft Closeout Report for IHSS Group 900-2

Location	Actual Northing	Actual Easting	Starting Depth (ft)	Ending Depth (ft)	Analyte	Result	WRW AL	Background Mean Plus 2 SD	RL	Unit
CQ41-094	749682.37	2085992.1	8.00	14.00	Toluene	0.260	31300000	-	0.092	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Trichloroethene	85.000	19600	-	0.150	ug/kg
CQ41-094	749682.37	2085992.1	8.00	14.00	Xylene	1.700	2040000	-	0.035	ug/kg
CQ41-095	749666.92	2085991.4	13.00	14.00	Tetrachloroethene	640.000	615000	-	564.000	ug/kg
CQ41-097	749655.67	2085988.6	15.00	16.00	1,2,4-Trichlorobenzene	0.370	9230000	-	0.280	ug/kg
CQ41-097	749655.67	2085988.6	15.00	16.00	Acetone	22.000	102000000	-	1.600	ug/kg
CQ41-097	749655.67	2085988.6	15.00	16.00	Aroclor-1254	33.000	12400	-	20.000	ug/kg
CQ41-097	749655.67	2085988.6	15.00	16.00	Methylene chloride	3.200	2530000	-	0.370	ug/kg
CQ41-097	749655.67	2085988.6	15.00	16.00	Naphthalene	0.720	3090000	-	0.410	ug/kg
CQ41-097	749655.67	2085988.6	15.00	16.00	Tetrachloroethene	0.410	615000	-	0.200	ug/kg
CQ41-097	749655.67	2085988.6	15.00	16.00	Toluene	0.140	31300000	-	0.095	ug/kg

Bold denotes AL exceedance.

Italic type denotes values derived from HPGc measurement.

2.4 SORs

Radionuclide Sums of Ratios (SORs) for surface soil (0 to 3 ft) were calculated for IHSS Group 900-2 sampling locations based on the accelerated action analytical data for the contaminants of concern (COCs) and RFCA WRW ALs. Radionuclide SORs were calculated for all locations with analytical results greater than background means plus two standard deviations for americium-241, plutonium-239/240, uranium-234, uranium-235, and uranium-238. Plutonium-239/240 activities are derived from americium-241 activities (that is, plutonium-239/240 activity = americium-241 gamma spectroscopy activity x 5.7) when americium-241 is measured using high-purity germanium (HPGe) detection analysis. In accordance with RFCA (DOE et al. 2003), the AL of 116 picocuries per gram (pCi/g) plutonium-239/240 is used in the SOR calculation. SORs for radionuclides in surface soil in IHSS Group 900-2 are presented in Table 4. As shown, none of the SORs for radionuclides in surface soil were greater than 1.

Table 4
IHSS Group 900-2
Radionuclide SORs for Surface Soil

Location	Starting Depth (ft)	Ending Depth (ft)	SOR
CN40-000	0.5	2.5	0.022
CO40-000	0.5	2.5	0.006
CO40-001	0.5	2.5	0.025
CO40-002	0.5	2.5	0.005
CO40-003	0.5	2.5	0.020
CP40-000	0.5	2.5	0.034
CP40-001	0.5	2.5	0.026
CQ40-000	0.5	2.5	0.028
CQ40-001	0.5	2.5	0.044
CQ40-002	0.5	2.5	0.005
CQ41-000	0.5	2.5	0.038
CQ41-038	0.5	2.5	0.001
CQ41-039	0.5	2.5	0.002
CQ41-040	0.5	2.5	0.002
CQ41-041	0.5	2.5	0.000
CN40-000	0.5	2.5	0.022
CO40-000	0.5	2.5	0.006
CO40-001	0.5	2.5	0.025

SORs for nonradionuclides were calculated for all surface soil (0 to 0.5 ft) where analyte concentrations were 10 percent or more of a contaminant's RFCA WRW AL. Only one sample, CP40-003, had a reportable SOR of 0.202. All remaining surface soil samples contained nonradionuclide concentrations below 10 percent or more of all contaminants' RFCA WRW ALs, and, therefore, do not have SOR values reported.

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3.0 SUMMARY STATISTICS

Summary statistics, by analyte, were calculated for IHSS Group 900-2 surface soil and subsurface soil sampling locations (Tables 5 and 6, respectively). These summaries are based on detected concentrations only for organics and above-background means plus two standard deviations for inorganics.

Table 5
Surface Soil Summary Statistics

Analyte	Number of Samples	Detection Frequency	Average Concentration	Maximum Concentration	WRW AL	Background Mean Plus 2SD	Unit
1,1,1-Trichloroethane	26	11.54%	18.363	47.700	79700000	-	ug/kg
1,1-Dichloroethene	26	3.85%	7.900	7.900	17000	-	ug/kg
1,2,4-Trichlorobenzene	40	5.00%	0.710	0.860	9230000	-	ug/kg
4,4'-DDE	14	21.43%	1.167	1.500	101000	-	ug/kg
Acetone	26	15.38%	6.150	14.000	102000000	-	ug/kg
Aldrin	14	7.14%	0.590	0.590	1620	-	ug/kg
Aluminum	14	14.29%	19900.000	21700.000	228000	16902.000	mg/kg
Americium-241	21	9.52%	0.078	0.129	76	0.023	pCi/g
Aroclor-1254	21	61.90%	398.246	2500.000	12400	-	ug/kg
Aroclor-1260	21	61.90%	101.077	480.000	12400	-	ug/kg
Arsenic	14	7.14%	11.000	11.000	22.2	10.090	mg/kg
Barium	14	7.14%	154.000	154.000	26400	141.260	mg/kg
Chromium	14	7.14%	20.700	20.700	268	16.990	mg/kg
Di-n-octylphthalate	14	7.14%	150.000	150.000	14700000	-	ug/kg
Dieldrin	14	21.43%	4.867	11.000	1720	-	ug/kg
Endosulfan I	14	7.14%	3.900	3.900	4420000	-	ug/kg
Endosulfan II	14	7.14%	0.700	0.700	4420000	-	ug/kg
Endrin	14	14.29%	2.600	2.800	221000	-	ug/kg
Ethylbenzene	26	3.85%	16.000	16.000	4250000	-	ug/kg
Lithium	14	14.29%	12.900	13.200	20400	11.550	mg/kg
Manganese	14	7.14%	457.000	457.000	3480	365.080	mg/kg
Methoxychlor	14	21.43%	0.520	0.750	5110000	-	ug/kg
Methylene chloride	26	7.69%	2.200	2.500	2530000	-	ug/kg
Naphthalene	40	7.50%	1.757	2.800	3090000	-	ug/kg
Nickel	14	21.43%	15.833	16.200	20400	14.910	mg/kg
Plutonium-239/240	21	19.05%	0.220	0.468	50	0.066	pCi/g
Pyrene	14	7.14%	61.000	61.000	22100000	-	ug/kg
Strontium	14	64.29%	71.678	156.000	613000	48.940	mg/kg
Tetrachloroethene	26	57.69%	111.053	533.000	615000	-	ug/kg
Trichloroethene	26	50.00%	26.747	200.000	19600	-	ug/kg
Uranium-234	21	33.33%	3.537	5.790	300	2.253	pCi/g
Uranium-235	21	33.33%	0.224	0.300	8	0.094	pCi/g
Uranium-238	21	42.86%	3.217	5.790	351	2.000	pCi/g
Vanadium	14	21.43%	49.700	53.200	7150	45.590	mg/kg
Xylene	26	11.54%	44.093	120.000	2040000	-	ug/kg
Zinc	14	21.43%	184.667	266.000	307000	73.760	mg/kg

Table 6
Subsurface Soil Summary Statistics

Analyte	Number of Samples	Detection Frequency	Average Concentration	Maximum Concentration	WRW AL	Background Mean Plus 2SD	Unit
1,1,1-Trichloroethane	310	21.29%	22944.817	690000	79700000	-	ug/kg
1,1,2,2-Tetrachloroethane	310	0.32%	200.000	200	100000	-	ug/kg
1,1,2-Trichloroethane	310	1.94%	2.692	9.9	236000	-	ug/kg
1,1-Dichloroethane	310	2.26%	4.853	29	22500000	-	ug/kg
1,1-Dichloroethene	310	6.45%	49.909	640	17000	-	ug/kg
1,2,4-Trichlorobenzene	310	10.97%	13304.986	393000	9230000	-	ug/kg
1,2-Dichlorobenzene	310	2.58%	24.140	170	31200000	-	ug/kg
1,2-Dichloroethane	310	6.45%	7.202	39	106000	-	ug/kg
1,4-Dichlorobenzene	310	1.94%	45.242	240	840000	-	ug/kg
2-Butanone	310	1.94%	20.200	54	192000000	-	ug/kg
2-Methylnaphthalene	57	1.75%	150.000	150	20400000	-	ug/kg
4,4'-DDE	59	3.39%	1.800	2.5	101000	-	ug/kg
4,4'-DDT	59	1.69%	0.790	0.79	100000	-	ug/kg
4-Methyl-2-pentanone	310	4.19%	139.408	850	16400000	-	ug/kg
Acetone	310	21.29%	450.762	17000	102000000	-	ug/kg
Americium-241	77	2.60%	0.054	0.0577	76	0.020	pCi/g
Aroclor-1016	149	4.03%	3403.667	17000	46400	-	ug/kg
Aroclor-1254	149	62.42%	10524.361	170000	12400	-	ug/kg
Aroclor-1260	149	40.94%	9056.344	100000	12400	-	ug/kg
Arsenic	55	9.09%	25.660	55.1	22.2	13.140	mg/kg
Benzene	310	1.94%	3.422	15	205000	-	ug/kg
bis(2-Ethylhexyl)phthalate	54	5.56%	200.667	390	1970000	-	ug/kg
Bromodichloromethane	310	0.32%	0.290	0.29	617000	-	ug/kg
Carbon Disulfide	310	0.32%	27.000	27	15100000	-	ug/kg
Carbon Tetrachloride	310	4.84%	4404.700	56000	81500	-	ug/kg
Chlorobenzene	310	0.65%	13.050	24	6090000	-	ug/kg
Chloroform	310	10.00%	246.124	6800	19200	-	ug/kg
Chloromethane	310	0.32%	8.000	8	371000	-	ug/kg
Copper	55	1.82%	39.900	39.9	40900	38.210	mg/kg
Dieldrin	59	3.39%	2.300	3.2	1720	-	ug/kg
Endosulfan II	59	1.69%	0.910	0.91	4420000	-	ug/kg
Endrin	59	3.39%	3.650	4.5	221000	-	ug/kg
Ethylbenzene	310	6.45%	21.851	130	4250000	-	ug/kg
Hexachlorobutadiene	309	3.88%	1.731	4.6	147000	-	ug/kg
Lead	55	1.82%	25.600	25.6	1000	24.970	mg/kg
Methoxychlor	59	6.78%	0.390	0.47	5110000	-	ug/kg
Methylene chloride	310	22.90%	25.773	1600	2530000	-	ug/kg
n-Nitrosodipropylamine	54	1.85%	450.000	450	5470	-	ug/kg
Naphthalene	310	8.71%	14.867	110	3090000	-	ug/kg
Plutonium-239/240	77	5.19%	0.096	0.165	50	0.020	pCi/g
Styrene	310	0.32%	0.100	0.1	123000000	-	ug/kg
Tetrachloroethene	310	58.39%	460909.910	27000000	615000	-	ug/kg
Toluene	310	8.06%	21.786	350	31300000	-	ug/kg
Trichloroethene	310	40.97%	59914.471	3700000	19600	-	ug/kg

Analyte	Number of Samples	Detection Frequency	Average Concentration	Maximum Concentration	WRW AL	Background Mean Plus 2SD	Unit
Uranium-234	77	20.78%	3.587	5.16	300	2.640	pCi/g
Uranium-235	77	41.56%	0.195	0.281	8	0.120	pCi/g
Uranium-238	77	49.35%	2.749	5.16	351	1.490	pCi/g
Vanadium	55	3.64%	110.200	128	7150	88.490	mg/kg
Xylene	310	6.45%	52.685	470	2040000	-	ug/kg

4.0 ACCELERATED ACTION

Accelerated action objectives were developed for IHSS Group 900-2 and are described in ER RSOP Notification #05-03 (DOE 2005). Based on historical information, metals, PCBs, and VOCs were identified as potential contaminants of concern (PCOCs) in IHSS Group 900-2 soil and were the focus of accelerated actions conducted under BZSAP Addendum #BZ-02-01 (DOE 2002). The ER RSOP remedial action objectives (RAOs) included the following:

- Provide a remedy consistent with the RFETS goal of protection of human health and the environment;
- Provide a remedy that minimizes the need for long-term maintenance and institutional or engineering controls; and
- Minimize the spread of contaminants during implementation of accelerated actions.

The accelerated action remediation goals for IHSS Group 900-2 included the following:

- Remove soil with nonradionuclide concentrations or uranium activities greater than the RFCA WRW ALs to a depth determined through the consultative process.
- Following the removal of contaminated soil, collect confirmation soil samples in accordance with the BZSAP (DOE 2002c) and the consultative process.

ER accelerated action activities were conducted at IHSS Group 900-2 between April 2002 and April 2005. Starting and ending dates of significant activities are listed in Table 7. Photographs of site activities are presented in Appendix B. All accelerated action objectives were achieved. Removal activities are described below.

**Table 7
IHSS Group 900-2 Approximate Dates of Accelerated Action Activities**

Activity	Starting Date	Ending Date	Duration
Accelerated action characterization sampling	April 2002	October 2002	6 months (not continuous)
Accelerated action characterization sampling	May 28, 2003	May 28, 2003	1 day
Accelerated action characterization sampling	January 27, 2004	January 27, 2004	1 day
Accelerated action soil removal activities in conjunction with characterization, in-process, and confirmation sampling	January 27, 2005	March 30, 2005	61 days
Excavation backfilling and regrading activities	March 23, 2005	April 1, 2005	10 days

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4.1 Soil Removal

Approximately 1,370 cy of soil were excavated and disposed of from IHSS 900-153. The single excavation consists of the two sections: the main excavation area and the northeastern excavation area (Figure 6). The main excavation area began within IHSS 900-153 and extended north approximately 110 ft long by 25 ft wide by 10 ft deep. The northeastern excavation area was a result of in-process and confirmation sampling at the northeastern extent of the main excavation that identified PCB and VOC contamination at concentrations above RFCA WRW ALs. As communicated to the agencies in a February 24, 2005 contact record (Appendix A), PCB and VOC contamination would be cleaned up to their respective RFCA WRW ALs; therefore, the excavation was continued in the northeast direction. The northeast excavation area was approximately 50 ft long by 45 ft wide at its southernmost extent to 10 ft wide at its northern extent by 15 ft deep. The areal extent of the entire excavation (main and northeastern) was approximately 4,400 square feet (ft²). Activities and concentrations of all contaminants detected in the confirmation samples were below RFCA WRW ALs, and all accelerated action objectives were achieved.

Following soil excavation activities in IHSS 900-153, hydrogen release compound (HRC[®]) was applied to the excavation bottom and on lifts of the clean soil backfill. Infiltration of the HRC[®] should continue to reduce residual VOC contamination in the excavation area.

4.2 Site Reclamation

The excavation at IHSS 900-153 was backfilled with clean onsite soil from the Building 371 area, and the area was regraded to its original topography. Revegetation of the area is being conducted as part of the Functional Channel project.

5.0 CONFIRMATION SAMPLING

As previously described in Section 2.3, within the IHSS 900-153 remediation area, 57 in-process and confirmation locations were sampled from January 2005 through March 2005. Analyses performed on in-process and confirmation soil sample locations included dioxin/furans, PCBs, radionuclides, and VOCs. Confirmation sampling analytical results with concentrations greater than background means plus two standard deviations or RLs are shown on Figure 5.

6.0 RCRA UNIT CLOSURE

Not applicable. There were no Resource Conservation and Recovery Act (RCRA) units to be closed at IHSS Group 900-2.

7.0 SUBSURFACE SOIL RISK SCREEN

The Subsurface Soil Risk Screen (SSRS) follows the steps identified on Figure 3 in Attachment 5 of RFCA (DOE et al. 2003).

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Screen 1 – Are the COC concentrations below Table 3 WRW soil ALs?

No. Although nonradiological contaminants (PCBs and VOCs) existed at concentrations greater than RFCA WRW ALs in subsurface soil at IHSS 900-153, the area was excavated to remove the source of groundwater contamination in this area. All remaining residual subsurface soil contaminant concentrations are less than RFCA WRW ALs at IHSS 900-153.

At IHSS 900-154, arsenic occurs at concentrations above the RFCA WRW AL at two locations. Because these nonradiological exceedances are located in subsurface soil at a depth of 4.5 ft or greater, IHSS 900-154 did not require remediation.

Screen 2 – Is there potential for subsurface soil to become surface soil (landslide and erosion areas identified on Figure 1)?

No. IHSS Group 900-2 is not located in an area subject to erosion or landslides in accordance with Figure 1 of RFCA (DOE et al. 2003). IHSS Group 900-2 is located southeast of a Functional Channel 5. Final grading in this area will be configured with a gentle slope to the north and northwest towards Functional Channel 5

Screen 3 – Does subsurface soil radiological contamination exceed criteria in Section 5.3?

No. As shown in Table 3, activities are below soil RFCA WRW ALs for radionuclides.

Screen 4 – Is there an environmental pathway and sufficient quantity of COCs that would cause exceedance of the surface water standards?

No. Contaminant migration via groundwater is the primary pathway whereby surface water could be impacted by residual contamination from IHSS Group 900-2. As described in Screen 2, IHSS Group 900-2 is located in a stable area that is not prone to landslides or high erosion and will not be affected by construction of the Functional Channel. In addition, detections of all contaminants in surface soil were below RFCA WRW ALs.

Groundwater contamination in this area is attributable to IHSS 900-153 (Oil Burn Pit No. 2), the Mound Site (source removal completed in FY97 [DOE 1997]), and the 903 Pad (source removal completed in FY04 [DOE 2004b]). The groundwater plume is captured and treated by the Mound Site Plume Collection and Treatment System that was installed in 1998 (DOE 2004a). Results of a June 2003 sampling of groundwater monitoring well 11897, located approximately 425 feet northeast of IHSS 900-153, indicate that tetrachloroethene and trichloroethene are present at concentrations of 730 micrograms per liter (ug/L) and 100 ug/L, respectively. The RFCA Tier I and Tier II ALs for these analytes in groundwater are 500 ug/L and 5 ug/L, respectively. However, HRC® should continue to degrade VOC contaminants in the soil and groundwater. In addition, a french drain was installed downgradient of IHSS Group 900-2 during April 2005. This french drain will ensure that water through this area is captured and directed to the Mound Site Plume Collection and Treatment System as shown on Figure 6. No other analytes were detected in groundwater at concentrations greater than the RFCA Tier I and Tier II ALs. Additional discussion of this area is presented in the Groundwater IM/IRA.

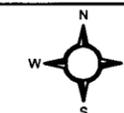
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Figure 6
IHSS Group 900-2
Excavation Area Features

Key

-  Excavation area
-  IHSS
-  Demolished structure
-  Structure
-  Asphalt
-  Dirt road
-  Stream
-  French drain
-  Interceptor trench

DRAFT



50 0 50 Feet

Scale = 1 : 850

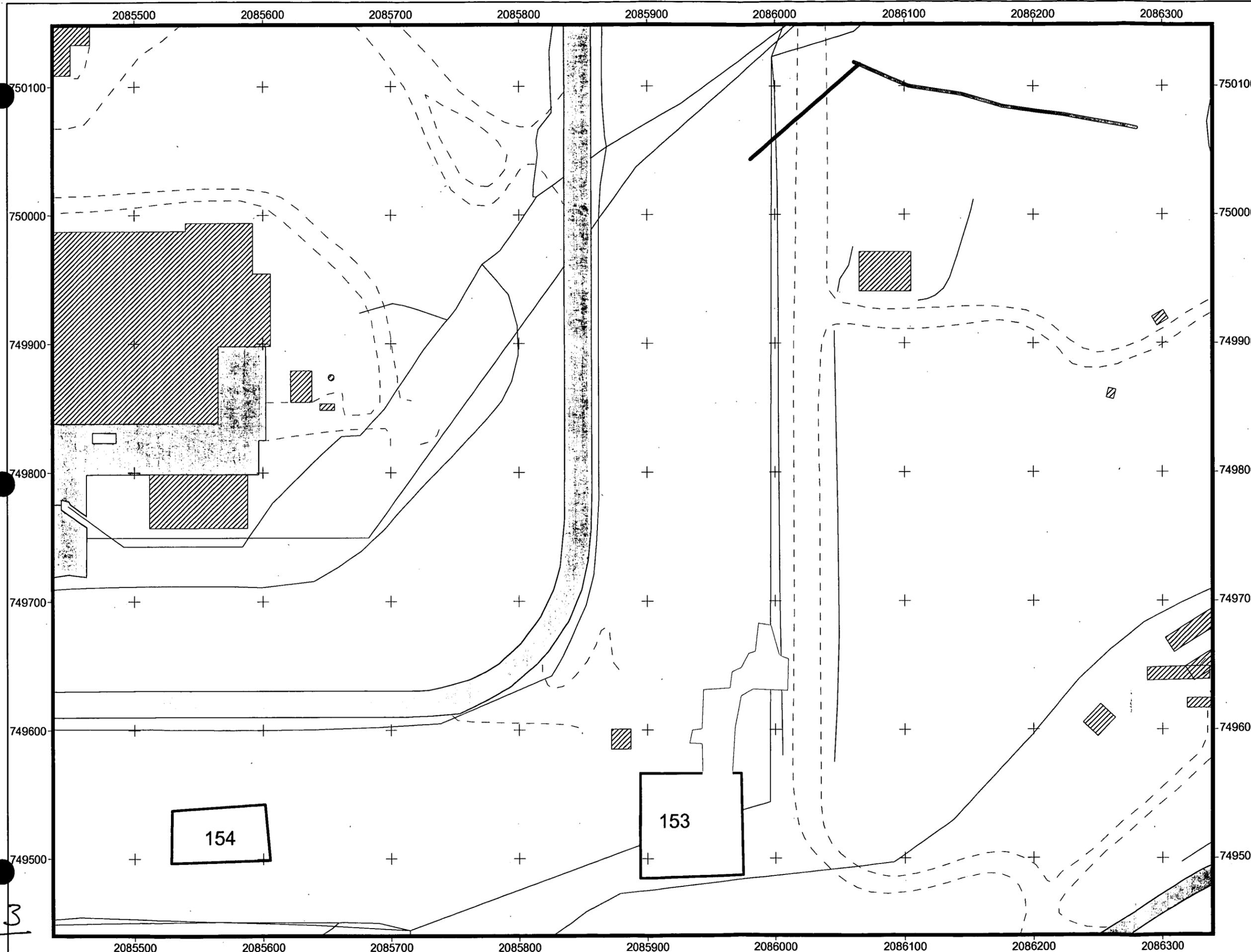
State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD 27

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

Prepared by:  Date: 05-02-05

Prepared for:

KAISER-HILL
 COMPANY



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8.0 STEWARDSHIP ANALYSIS

The IHSS Group 900-2 stewardship evaluation was conducted through ongoing consultation with the regulatory agencies. Throughout the project, informal project updates from the Field Project Manager were provided through e-mails, telephone conversations, and personal contacts. Copies of Regulatory Contact Records are provided in Appendix A.

8.1 Current Site Conditions

As discussed in Section 2.3, accelerated actions at IHSS Group 900-2 consisted of characterization sampling of soil, excavation of PCB and VOC contaminated soil in IHSS 900-153, and in-process and confirmation sampling of soil. Based upon the accelerated actions performed and analytical results of sampling, conditions at IHSS Group 900-2 include the following:

- The potential sources of contamination that existed in IHSS 900-153 at concentrations greater than RFCA WRW ALs were removed.
- The excavation area and clean backfill soil at IHSS 900-153 was treated with HRC®; therefore, VOC contamination in the soil and groundwater should continue to degrade in this area.
- A french drain was installed downgradient of IHSS Group 900-2 to ensure that water through this area is captured and directed to the Mound Site Plume Collection and Treatment System.
- Arsenic is the only residual contaminant remaining at concentrations greater than RFCA WRW ALs; however, remediation was not required according to RFCA (DOE et al. 2003)
- Backfilling of the excavation at IHSS 900-153 has been completed, and final grading and revegetation was conducted under the Functional Channel project.

8.2 Near-Term Management Recommendations

Because residual contaminant concentrations are low and potential contaminant sources have been identified or removed according to accelerated action objectives, no specific near-term management actions are required. Contaminant concentrations in soil remaining at IHSS Group 900-2 do not trigger any further accelerated action.

Near-term recommendations include the following:

- Excavation at the site will continue to be controlled through the Site Soil Disturbance Permit process;
- Access will be restricted; and

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- Site access and the Soil Disturbance Permit process will remain in place pending implementation of long-term controls.

8.3 Long-Term Stewardship Recommendations

Based on remaining environmental conditions at IHSS Group 900-2, no IHSS Group-specific long-term stewardship activities are recommended beyond the generally applicable Site requirements. Institutional controls that may be used as appropriate for this area include the following:

- Prohibitions on construction of buildings;
- Restrictions on excavation or other soil disturbance; and
- Prohibition on groundwater pumping in the area of IHSS Group 900-2.

Currently, no Group-specific engineering controls or environmental monitoring are recommended as a result of the conditions remaining at IHSS Group 900-2. Likewise, no specific institutional or physical controls are recommended as a result of the conditions remaining at IHSS Group 900-2.

IHSS Group 900-2 will be evaluated as part of the Sitewide CRA. The CRA is part of the Remedial Investigation/Feasibility Study (RI/FS) that will be conducted for the Site. Potential surface water impacts and water quality monitoring requirements are addressed in the CRA and RI/FS. The Integrated Monitoring Plan (IMP) will address the need for further groundwater monitoring. Groundwater remediation alternatives will be addressed in the Groundwater Interim Measure/Interim Remedial Action (IM/IRA).

The need for and extent of any more general, long-term stewardship activities will also be analyzed in the RI/FS and proposed as part of the preferred alternative in the Proposed Plan for the Site. Institutional controls and other long-term stewardship requirements for the Site will ultimately be contained in the Corrective Action Decision/Record of Decision (CAD/ROD). This Closeout Report and associated documentation will be retained as part of the Rocky Flats Administrative Record (AR) file.

9.0 DEVIATIONS FROM THE ER RSOP

There were no deviations from ER RSOP Notification #05-03 (DOE 2005).

10.0 POST-ACCELERATED ACTION CONDITIONS

All residual contaminant concentrations are below RFCA WRW ALs at IHSS 900-153. Arsenic is present at concentrations greater than the RFCA WRW AL at IHSS 900-154; however, because the exceedances are located in subsurface soil at a depth of 4.5 ft or greater, the site does not require remediation based on RFCA. Analytical results for these locations are listed in Table 3 and are shown on Figures 2 through 5. Regrading and revegetation of the area is being conducted as part of the Functional Channel project.

11.0 WASTE MANAGEMENT

Approximately 1,370 cy of contaminated soil was excavated at IHSS 900-153. All excavated waste material will be classified prior to final disposition and disposal.

12.0 SITE RECLAMATION

Backfilling with clean onsite soil from the Building 371 area and regrading was completed. The final configuration of the area and revegetation was performed under the Functional Channel project.

13.0 NLR SAMPLING LOCATIONS

The sampling locations designated NLR for IHSS Group 900-2 are listed in Table 8. NLR locations are flagged in the RFETS Soil Water Database (SWD) to ensure they will not be incorporated into the Sitewide CRA or other Site analyses.

Table 8
IHSS Group 900-2 NLR Sampling Locations

Location	Northing	Easting	Media	Starting Depth (ft)	Ending Depth (ft)
CQ40-000	749529.641	2085953.144	Soil	0.0	0.5
CQ40-000	749529.641	2085953.144	Soil	0.5	2.5
CQ40-000	749529.641	2085953.144	Soil	2.5	4.5
CQ40-000	749529.641	2085953.144	Soil	4.5	6.5
CQ40-000	749529.641	2085953.144	Soil	6.5	8.0
CQ40-007	749529.160	2085958.230	Soil	2.0	6.0
CQ40-008	749529.070	2085948.110	Soil	2.0	6.0
CQ40-009	749534.320	2085953.360	Soil	2.0	6.0
CQ40-010	749529.210	2085953.360	Soil	7.0	7.5
CQ40-011	749524.200	2085953.120	Soil	2.0	6.0
CQ41-001	749591.3	2085944.99	Soil	0.5	2.5
CQ41-001	749591.3	2085944.99	Soil	2.5	4.5
CQ41-001	749591.3	2085944.99	Soil	4.5	5.8
CQ41-005	749623.017	2085961.189	Soil	0.5	2.5
CQ41-005	749623.017	2085961.189	Soil	2.5	4.5
CQ41-005	749623.017	2085961.189	Soil	4.5	6.5
CQ41-005	749623.017	2085961.189	Soil	6.5	8.5
CQ41-005	749623.017	2085961.189	Soil	8.5	10.5
CQ41-025	749622.993	2085958.013	Soil	0.0	0.5
CQ41-025	749622.993	2085958.013	Soil	0.5	2.5
CQ41-025	749622.993	2085958.013	Soil	2.5	4.5
CQ41-025	749622.993	2085958.013	Soil	4.5	6.5
CQ41-025	749622.993	2085958.013	Soil	6.5	8.0
CQ41-025	749622.993	2085958.013	Soil	8.5	10.0
CQ41-026	749591.029	2085941.897	Soil	0.0	0.5
CQ41-026	749591.029	2085941.897	Soil	0.5	2.5
CQ41-026	749591.029	2085941.897	Soil	2.5	4.5
CQ41-026	749591.029	2085941.897	Soil	4.5	6.5
CQ41-026	749591.029	2085941.897	Soil	6.5	8.0
CQ41-026	749591.029	2085941.897	Soil	8.0	9.0
CQ41-028	749576.345	2085957.148	Soil	0.0	0.5

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Location	Northing	Easting	Media	Starting Depth (ft)	Ending Depth (ft)
CQ41-028	749576.345	2085957.148	Soil	0.5	2.5
CQ41-028	749576.345	2085957.148	Soil	2.5	4.5
CQ41-028	749576.345	2085957.148	Soil	4.5	6.5
CQ41-028	749576.345	2085957.148	Soil	6.5	8.0
CQ41-029	749552.979	2085955.183	Soil	0.0	0.5
CQ41-029	749552.979	2085955.183	Soil	0.5	2.5
CQ41-029	749552.979	2085955.183	Soil	2.5	4.5
CQ41-029	749552.979	2085955.183	Soil	4.5	6.0
CQ41-030	749542.186	2085946.005	Soil	3.0	3.5
CQ41-031	749542.052	2085949.021	Soil	3.0	3.5
CQ41-032	749541.759	2085951.799	Soil	3.0	3.5
CQ41-033	749541.807	2085954.891	Soil	3.0	3.5
CQ41-034	749541.656	2085957.879	Soil	3.0	3.5
CQ41-035	749542.253	2085960.854	Soil	3.0	3.5
CQ41-036	749541.785	2085963.998	Soil	3.0	3.5
CQ41-037	749629.475	2085961.876	Soil	0.0	0.5
CQ41-037	749629.475	2085961.876	Soil	0.5	2.5
CQ41-037	749629.475	2085961.876	Soil	2.5	4.5
CQ41-037	749629.475	2085961.876	Soil	4.5	6.5
CQ41-037	749629.475	2085961.876	Soil	6.5	8.5
CQ41-037	749629.475	2085961.876	Soil	8.5	10.5
CQ41-039	749608.292	2085943.919	Soil	0.0	0.5
CQ41-039	749608.292	2085943.919	Soil	0.5	2.5
CQ41-039	749608.292	2085943.919	Soil	2.5	4.5
CQ41-039	749608.292	2085943.919	Soil	4.5	6.0
CQ41-041	749591.534	2085942.259	Soil	0.0	0.5
CQ41-041	749591.534	2085942.259	Soil	0.5	2.5
CQ41-041	749591.534	2085942.259	Soil	2.5	4.5
CQ41-041	749591.534	2085942.259	Soil	4.5	6.5
CQ41-041	749591.534	2085942.259	Soil	6.5	8.5
CQ41-062	749593.965	2085943.255	Soil	2.0	7.0
CQ41-066	749626.205	2085957.208	Soil	10.0	10.5
CQ41-071	749638.331	2085974.54	Soil	0.0	0.5
CQ41-071	749638.331	2085974.54	Soil	0.5	2.5
CQ41-071	749638.331	2085974.54	Soil	2.5	4.5
CQ41-071	749638.331	2085974.54	Soil	4.5	6.5
CQ41-071	749638.331	2085974.54	Soil	6.5	8.5
CQ41-071	749638.331	2085974.54	Soil	8.5	10.5
CQ41-072	749648.373	2085974.52	Soil	0.0	0.5
CQ41-072	749648.373	2085974.52	Soil	0.5	2.5
CQ41-072	749648.373	2085974.52	Soil	2.5	4.5
CQ41-072	749648.373	2085974.52	Soil	4.5	6.5
CQ41-072	749648.373	2085974.52	Soil	6.5	8.5
CQ41-072	749648.373	2085974.52	Soil	8.5	10.5
CQ41-072	749648.373	2085974.52	Soil	10.5	12.5
CQ41-072	749648.373	2085974.52	Soil	12.5	14.5
CQ41-073	749638.338	2085984.606	Soil	4.5	6.5
CQ41-073	749638.338	2085984.606	Soil	6.5	8.5
CQ41-073	749638.338	2085984.606	Soil	8.5	10.5
CQ41-073	749638.338	2085984.606	Soil	10.5	12.5
CQ41-073	749638.338	2085984.606	Soil	12.5	14.5
CQ41-074	749639.697	2085992.178	Soil	8.5	10.5
CQ41-074	749639.697	2085992.178	Soil	10.5	12.5
CQ41-074	749639.697	2085992.178	Soil	12.5	14.0
CQ41-079	749649.194	2085985.236	Soil	4.0	4.5
CQ41-079	749649.194	2085985.236	Soil	8.5	10.5

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Location	Northing	Easting	Media	Starting Depth (ft)	Ending Depth (ft)
CQ41-079	749649.194	2085985.236	Soil	10.5	11.5
CQ41-079	749649.194	2085985.236	Soil	12.5	13.5
CQ41-082	749659.17	2085985.266	Soil	2.5	4.5
CQ41-082	749659.17	2085985.266	Soil	4.5	6.5
CQ41-082	749659.17	2085985.266	Soil	6.5	8.5
CQ41-082	749659.17	2085985.266	Soil	8.5	10.5
CQ41-082	749659.17	2085985.266	Soil	10.5	12.5
CQ41-082	749659.17	2085985.266	Soil	12.5	14.5
CQ41-083	749659.2	2085992.164	Soil	2.5	4.5
CQ41-083	749659.2	2085992.164	Soil	4.5	6.5
CQ41-083	749659.2	2085992.164	Soil	6.5	8.5
CQ41-083	749659.2	2085992.164	Soil	8.5	10.5
CQ41-083	749659.2	2085992.164	Soil	10.5	12.5
CQ41-083	749659.2	2085992.164	Soil	12.5	14.5
CQ41-085	749669.451	2085992.633	Soil	2.5	4.5
CQ41-085	749669.451	2085992.633	Soil	4.5	6.5
CQ41-085	749669.451	2085992.633	Soil	6.5	8.5
CQ41-085	749669.451	2085992.633	Soil	8.5	10.5
CQ41-085	749669.451	2085992.633	Soil	10.5	12.5
CQ41-085	749669.451	2085992.633	Soil	12.5	14.5
CQ41-088	749658.601	2085990.6	Soil	8.0	12.0
CQ41-090	749652.482	2085975.208	Soil	8.0	12.0
CQ41-091	749649.734	2085993.007	Soil	12.0	13.0
CQ41-096	749655.668	2085988.577	Soil	13.0	14.0
CQ40-000	749529.641	2085953.144	Soil	0.0	0.5
CQ40-000	749529.641	2085953.144	Soil	0.5	2.5

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14.0 DATA QUALITY ASSESSMENT

The DQOs for this project are described in the IASAP (DOE 2001). All DQOs for this project were achieved based on the following:

- Regulatory agency-approved sampling program design in accordance with the IASAP (DOE 2001) and IABZSAP(DOE 2004c);
- Collection of samples in accordance with the sampling design;
- Implementation of remediation activities in accordance with ER RSOP Notification #05-03 (DOE 2005); and
- Results of the DQA, as described in the following sections.

14.1 Data Quality Assessment Process

The DQA process ensures that the type, quantity, and quality of environmental data used in decision making are defensible, and is based on the following guidance and requirements:

- U.S. Environmental Protection Agency (EPA), 1994a, Guidance for the Data Quality Objective Process, QA/G-4;
- EPA, 1998, Guidance for the Data Quality Assessment Process, Practical Methods for Data Analysis, QA/G-9; and
- U.S. Department of Energy (DOE), 1999, Quality Assurance, Order 414.1A.

Verification and validation (V&V) of 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, 1994b, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, 540/R-94/012;
- EPA, 1994c, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, 540/R-94/013;
- Kaiser-Hill Company, L.L.C. (K-H), 2002a, General Guidelines for Data Verification and Validation, DA-GR01-v2, October;
- K-H, 2002b, V&V Guidelines for Isotopic Determinations by Alpha Spectrometry, DA-RC01-v2, October;

- K-H, 2002c, V&V Guidelines for Volatile Organics, DA-SS01-v3, October;
- K-H, 2002d, V&V Guidelines for Semivolatile Organics, DA-SS02-v3, October;
- K-H, 2002e, V&V Guidelines for Metals, DA-SS05-v3, October; and
- 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) AR for permanent storage 30 days after being provided to CDPHE and/or EPA.

14.2 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/MSDs);
- Laboratory control samples (LCSs);
- 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.

Evaluation of V&V criteria ensures that PARCCS parameters are satisfactory (that is, within tolerances acceptable to the project). Satisfactory V&V of laboratory quality controls are captured through application of validation "flags" or qualifiers to individual records.

Raw hard-copy data (for example, individual analytical data packages) are currently filed by report identification number (RIN) and maintained by K-H Analytical Services Division (ASD). Older hard copies may reside in the Federal Center in Lakewood, Colorado. Electronic data are stored in the RFETS SWD. Standardized real and QC data are included on the enclosed CD.

14.2.1 Accuracy

The following measures of accuracy were evaluated:

- LCSs;
- Surrogates;
- Field blanks; and
- Sample MSs.

Results are compared to method requirements and project goals. The results of these comparisons are summarized for RFCA COCs where the results could impact project decisions. Particular attention is paid to those values near ALs when QC results could indicate unacceptable levels of uncertainty for decision-making purposes.

Laboratory Control Sample Evaluation

As indicated in Table 9, LCS analyses were run for all methods except gamma spectroscopy. When the In-Situ Counting System (ISOCS) technique is used for gamma spectroscopy, an internal standard approach is used instead of LCSs. The onsite laboratory that performs gamma spectroscopy is therefore not required to provide LCS data.

**Table 9
LCS Summary**

Test Method	Laboratory Batch	LCS Run?
Alpha spectroscopy	255453	Yes
Alpha spectroscopy	255458	Yes
Alpha spectroscopy	257269	Yes
Alpha spectroscopy	402950	Yes
Alpha spectroscopy	402953	Yes
Alpha spectroscopy	402955	Yes
Alpha spectroscopy	402956	Yes
Alpha spectroscopy	402957	Yes
Alpha spectroscopy	402958	Yes
SW-846 6010/6010B	2126185	Yes
SW-846 6010/6010B	2126455	Yes
SW-846 6010/6010B	2127220	Yes
SW-846 6010/6010B	2127422	Yes
SW-846 6010/6010B	2129233	Yes
SW-846 6010/6010B	2129348	Yes
SW-846 6010/6010B	2143354	Yes

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Test Method	Laboratory Batch	LCS Run?
SW-846 6010/6010B	2148397	Yes
SW-846 6010/6010B	2148518	Yes
SW-846 6010/6010B	2148519	Yes
SW-846 6010/6010B	2185127	Yes
SW-846 6010/6010B	2186320	Yes
SW-846 8081A	2127115	Yes
SW-846 8081A	2128146	Yes
SW-846 8081A	2128329	Yes
SW-846 8081A	2143176	Yes
SW-846 8081A	2148175	Yes
SW-846 8081A	2185102	Yes
SW-846 8081A	2233243	Yes
SW-846 8082	2127116	Yes
SW-846 8082	2128148	Yes
SW-846 8082	2128332	Yes
SW-846 8082	2143173	Yes
SW-846 8082	2148178	Yes
SW-846 8082	2185104	Yes
SW-846 8082	2232148	Yes
SW-846 8082	2235231	Yes
SW-846 8082	2238221	Yes
SW-846 8082	2254198	Yes
SW-846 8082	5032404	Yes
SW-846 8082	5038447	Yes
SW-846 8082	5040010	Yes
SW-846 8082	5046458	Yes
SW-846 8082	5048327	Yes
SW-846 8082	X05300	Yes
SW-846 8082	X05326	Yes
SW-846 8082	X05370	Yes
SW-846 8082	X05430	Yes
SW-846 8082	X05457	Yes
SW-846 8082	X05493	Yes
SW-846 8260	2130293	Yes
SW-846 8260	2133458	Yes
SW-846 8260	2134373	Yes
SW-846 8260	2144395	Yes
SW-846 8260	2149310	Yes
SW-846 8260	2150433	Yes
SW-846 8260	2151331	Yes
SW-846 8260	2155312	Yes
SW-846 8260	2155367	Yes
SW-846 8260	2191418	Yes
SW-846 8260	2261469	Yes

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Test Method	Laboratory Batch	LCS Run?
SW-846 8260	2262339	Yes
SW-846 8260	4028502	Yes
SW-846 8260	4029518	Yes
SW-846 8260	4029570	Yes
SW-846 8260	5034274	Yes
SW-846 8260	5034349	Yes
SW-846 8260	5042209	Yes
SW-846 8260	5042212	Yes
SW-846 8260	5045380	Yes
SW-846 8260	5061242	Yes
SW-846 8260	5062250	Yes
SW-846 8260	5066396	Yes
SW-846 8260	5066397	Yes
SW-846 8260	5075286	Yes
SW-846 8260	5077377	Yes
SW-846 8260	5083426	Yes
SW-846 8260	5084329	Yes
SW-846 8260	5084464	Yes
SW-846 8260	5087588	Yes
SW-846 8260	5096327	Yes
SW-846 8260	MS1 VOA 020822B	Yes
SW-846 8260	MS1 VOA 020822C	Yes
SW-846 8260	MS1 VOA 050128A	Yes
SW-846 8260	MS1 VOA 050203A	Yes
SW-846 8260	MS1 VOA 050208A	Yes
SW-846 8260	MS1 VOA 050211A	Yes
SW-846 8260	MS1 VOA 050214B	Yes
SW-846 8260	MS1 VOA 050215A	Yes
SW-846 8260	MS1 VOA 050223B	Yes
SW-846 8260	MS1 VOA 050224A	Yes
SW-846 8260	MS1 VOA 050224B	Yes
SW-846 8260	MS1 VOA 050225A	Yes
SW-846 8260	MS1 VOA 050228A	Yes
SW-846 8260	MS1 VOA 050228B	Yes
SW-846 8260	MS1 VOA 050301B	Yes
SW-846 8260	MS1 VOA 050308C	Yes
SW-846 8260	MS1 VOA 050309A	Yes
SW-846 8260	MS1 VOA 050310A	Yes
SW-846 8260	MS1 VOA 050310B	Yes
SW-846 8260	MS1 VOA 050314A	Yes
SW-846 8260	MS1 VOA 050316A	Yes
SW-846 8260	MS1 VOA 050317A	Yes
SW-846 8260	MS1 VOA 050324A	Yes
SW-846 8260	MS2 VOA 020819A	Yes

Test Method	Laboratory Batch	LCS Run?
SW-846 8260	MS2 VOA 020828C	Yes
SW-846 8260	MS2 VOA 021008B	Yes
SW-846 8260	MS2 VOA 021009B	Yes
SW-846 8260	MS2 VOA 021010A	Yes
SW-846 8260	MS2 VOA 021014A	Yes
SW-846 8260	MS2 VOA 021022A	Yes
SW-846 8260	MS2 VOA 021023A	Yes
SW-846 8260	MS2 VOA 021023B	Yes
SW-846 8260	MS2 VOA 021024A	Yes
SW-846 8260	MS2 VOA 050211A	Yes
SW-846 8260	MS2 VOA 050214A	Yes
SW-846 8260	MS2 VOA 050224A	Yes
SW-846 8260	MS2 VOA 050301A	Yes
SW-846 8260	MS2 VOA 050302A	Yes
SW-846 8260	MS2 VOA 050309A	Yes
SW-846 8260	MS2 VOA 050310A	Yes
SW-846 8260	MS2 VOA 050311A	Yes
SW-846 8260	MS2 VOA 050316A	Yes
SW-846 8260	MS2 VOA 050323A	Yes
SW-846 8270B	2127119	Yes
SW-846 8270B	2128129	Yes
SW-846 8270B	2130131	Yes
SW-846 8270B	2142145	Yes
SW-846 8270B	2143169	Yes
SW-846 8270B	2148174	Yes
SW-846 8270B	2186175	Yes

The minimum and maximum LCS results are tabulated, by chemical, for the entire project in Table 10. LCS results outside of tolerances were reviewed to determine whether a potential bias might be indicated. LCS recoveries are not indicative of matrix effects because they are not prepared using site samples. LCS results do indicate whether the laboratory may be introducing a bias in the results. Recoveries reported above the upper limit may indicate the actual sample results are less than reported. Because this is environmentally conservative, no further action is needed.

The analytes with unacceptably low recoveries were evaluated. If the highest sample result divided by the lowest LCS recovery for that analyte is less than the AL, no further action is taken because any indicated bias is not great enough to affect project decisions. Based on this analysis, the LCS recoveries for this project did not affect project decisions.

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Table 10
LCS Evaluation Summary

Test Method	CAS No.	Analyte	Minimum Percent Recovery	Maximum Percent Recovery
SW-846 8260	71-55-6	1,1,1-Trichloroethane	80.71	136.4
SW-846 8260	79-34-5	1,1,2,2-Tetrachloroethane	79	121
SW-846 8260	79-00-5	1,1,2-Trichloroethane	76	113.4
SW-846 8260	75-34-3	1,1-Dichloroethane	83.08	131.8
SW-846 8260	75-35-4	1,1-Dichloroethene	74.27	149.3
SW-846 8270B	120-82-1	1,2,4-Trichlorobenzene	62	67
SW-846 8260	120-82-1	1,2,4-Trichlorobenzene	80	137.4
SW-846 8260	95-50-1	1,2-Dichlorobenzene	80	114.9
SW-846 8260	107-06-2	1,2-Dichloroethane	80.55	128.1
SW-846 8260	78-87-5	1,2-Dichloropropane	84	115.4
SW-846 8270B	106-46-7	1,4-Dichlorobenzene	59	65
SW-846 8260	106-46-7	1,4-Dichlorobenzene	80	117.2
SW-846 8270B	121-14-2	2,4-Dinitrotoluene	66	81
SW-846 8260	78-93-3	2-Butanone	79.67	158.1
SW-846 8270B	95-57-8	2-Chlorophenol	65	75
SW-846 8081A	50-29-3	4,4'-DDT	81	105
SW-846 8260	108-10-1	4-Methyl-2-pentanone	72.07	122
SW-846 8270B	100-02-7	4-Nitrophenol	57	68
SW-846 8270B	83-32-9	Acenaphthene	61	68
SW-846 8260	67-64-1	Acetone	40.01	200.3
SW-846 8081A	309-00-2	Aldrin	81	94
SW-846 6010/6010B	7429-90-5	Aluminum	89	100
SW-846 6010/6010B	7440-36-0	Antimony	90	98
SW-846 8082	12674-11-2	Aroclor-1016	43.6	114
SW-846 8082	11096-82-5	Aroclor-1260	78	109
SW-846 6010/6010B	7440-38-2	Arsenic	93	98
SW-846 6010/6010B	7440-39-3	Barium	96	105
SW-846 8260	71-43-2	Benzene	85	141.5
SW-846 6010/6010B	7440-41-7	Beryllium	94	100
SW-846 8260	75-27-4	Bromodichloromethane	84.8	110
SW-846 8260	75-25-2	Bromoform	78.78	119
SW-846 8260	74-83-9	Bromomethane	64.62	155.6
SW-846 6010/6010B	7440-43-9	Cadmium	94	99
SW-846 8260	75-15-0	Carbon Disulfide	54	162.9
SW-846 8260	56-23-5	Carbon Tetrachloride	78.04	134.3
SW-846 8260	108-90-7	Chlorobenzene	79	113.2
SW-846 8260	75-00-3	Chloroethane	74	129.3
SW-846 8260	67-66-3	Chloroform	87.02	126
SW-846 8260	74-87-3	Chloromethane	60	216.7
SW-846 6010/6010B	7440-47-3	Chromium	95	100
SW-846 8260	10061-01-5	cis-1,3-Dichloropropene	83.79	111.3

Test Method	CAS No.	Analyte	Minimum Percent Recovery	Maximum Percent Recovery
SW-846 6010/6010B	7440-48-4	Cobalt	92	98
SW-846 6010/6010B	7440-50-8	Copper	92	102
SW-846 8260	124-48-1	Dibromochloromethane	73.13	113
SW-846 8081A	60-57-1	Dieldrin	83	96
SW-846 8081A	72-20-8	Endrin	90	103
SW-846 8260	100-41-4	Ethylbenzene	83	114.3
SW-846 8081A	58-89-9	gamma-BHC	80	93
SW-846 8081A	76-44-8	Heptachlor	83	100
SW-846 8260	87-68-3	Hexachlorobutadiene	78	140.8
SW-846 6010/6010B	7439-89-6	Iron	91	101
SW-846 6010/6010B	7439-92-1	Lead	94	100
SW-846 6010/6010B	7439-93-2	Lithium	90	104
SW-846 6010/6010B	7439-96-5	Manganese	96	101
SW-846 6010/6010B	7439-97-6	Mercury	97	104
SW-846 8260	75-09-2	Methylene chloride	58	128.2
SW-846 6010/6010B	7439-98-7	Molybdenum	93	97
SW-846 8270B	621-64-7	n-Nitrosodipropylamine	64	81
SW-846 8260	91-20-3	Naphthalene	67	125
SW-846 6010/6010B	7440-02-0	Nickel	94	100
SW-846 8270B	87-86-5	Pentachlorophenol	45	64
SW-846 8270B	108-95-2	Phenol	66	76
SW-846 8270B	129-00-0	Pyrene	59	67
SW-846 6010/6010B	7782-49-2	Selenium	87	97
SW-846 6010/6010B	7440-22-4	Silver	94	110
SW-846 6010/6010B	7440-24-6	Strontium	94	103
SW-846 8260	100-42-5	Styrene	81	122
SW-846 8260	127-18-4	Tetrachloroethene	77	123
SW-846 6010/6010B	7440-31-5	Tin	91	96
SW-846 8260	108-88-3	Toluene	77	118.6
SW-846 8260	10061-02-6	trans-1,3-Dichloropropene	80	119
SW-846 8260	79-01-6	Trichloroethene	82	117
SW-846 6010/6010B	11-09-6	Uranium, Total	95	108
SW-846 6010/6010B	7440-62-2	Vanadium	94	101
SW-846 8260	75-01-4	Vinyl chloride	66	172.4
SW-846 8260	1330-20-7	Xylene	82.69	113.6
SW-846 6010/6010B	7440-66-6	Zinc	92	96

Surrogate Evaluation

The frequency of surrogate measurements, relative to each laboratory batch, is given in Table 11. Surrogate frequency was adequate based on at least one set per sample. The minimum and maximum surrogate results are also tabulated, by chemical, for the entire project. Surrogates are added to every sample, and, therefore, surrogate recoveries only

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impact individual samples. Unacceptable surrogate recoveries can indicate potential matrix effects. The highest and lowest surrogate recoveries for this project were reviewed, and results did not affect project decisions. All organic compounds with surrogate recoveries had concentrations less than RLs.

Table 11
Surrogate Recovery Summary

VOC Surrogate Recoveries				
Number of Samples	Analyte	Minimum Recovery	Maximum Recovery	Unit
324	4-Bromofluorobenzene	80	118	%REC
324	Deuterated 1,2-dichloroethane	66	130	%REC
324	Deuterated Toluene	85	136	%REC
SVOC Surrogate Recoveries				
Number of Samples	Analyte	Minimum Recovery	Maximum Recovery	Unit
67	2-Fluorobiphenyl	51	85	%REC
67	2-Fluorophenol	57	78	%REC
67	Deuterated Nitrobenzene	56	80	%REC
67	p-Terphenyl-d14	53	83	%REC

% REC – percent recovery

Field Blank Evaluation

Results of the field blank analyses are given in Table 12. Detectable amounts of contaminants within the blanks, which could indicate possible cross-contamination of samples, are evaluated if the same contaminant is detected in the associated real samples. When the real result is less than 10 times the blank result for laboratory contaminants and 5 times the result for non-laboratory contaminants, the real result is eliminated. None of the chemicals were detected in the blanks at concentrations greater than one-tenth the AL. Therefore, blank contamination did not adversely impact project decisions.

Table 12
Field Blank Summary

Laboratory	CAS No.	Analyte	Sample QC Code	Detected Result	Unit
URS	71-55-6	1,1,1-Trichloroethane	RNS	0.81	ug/L
URS	78-93-3	2-Butanone	TB	10	ug/L
URS	67-64-1	Acetone	TB	30	ug/L
URS	71-43-2	Benzene	RNS	1.2	ug/L
URS	71-43-2	Benzene	FB	1.5	ug/L
URS	91-20-3	Naphthalene	TB	1	ug/L
URS	91-20-3	Naphthalene	FB	0.9	ug/L
URS	91-20-3	Naphthalene	RNS	2.2	ug/L
URS	127-18-4	Tetrachloroethene	FB	4.5	ug/L
URS	127-18-4	Tetrachloroethene	RNS	4.8	ug/L

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Laboratory	CAS No.	Analyte	Sample QC Code	Detected Result	Unit
URS	127-18-4	Tetrachloroethene	TB	1	ug/L
URS	108-88-3	Toluene	RNS	4	ug/L
URS	108-88-3	Toluene	FB	4.9	ug/L
URS	79-01-6	Trichloroethene	FB	1.4	ug/L
URS	79-01-6	Trichloroethene	RNS	1.4	ug/L
URS	15117-96-1	Uranium-235	RNS	0.215	pCi/g
URS	15117-96-1	Uranium-235	FB	0.145	pCi/g
URS	7440-61-1	Uranium-238	FB	2	pCi/g
URS	7440-61-1	Uranium-238	RNS	2.55	pCi/g
URS	1330-20-7	Xylene	FB	2.3	ug/L
URS	1330-20-7	Xylene	RNS	2.1	ug/L

Field blank (EB = equipment, FB = field, RNS = rinse, TB = trip)
 results greater than detection limits (not "U" qualified).

Sample Matrix Spike Evaluation

The minimum and maximum MS results are summarized by chemical for the entire project in Table 13. Organic analytes with unacceptably low recoveries resulted in a review of the LCS recoveries. According to the EPA data validation guidelines (EPA 1994b), if organic MS recoveries are low, the data reviewer may use the MS and MSD results in conjunction with other QC criteria. For this project, the LCS recoveries were checked, and these checks indicate no decisions were impacted for organic analytes although there were a significant number of organic analytes with 0 percent recovery of the MS. For inorganics, the associated maximum sample results were divided by the lowest percent recovery for each analyte. If the resulting number was less than the AL, decisions were not impacted, and no action was taken. For this project, all results were acceptable. Low recoveries of antimony, iron, and manganese did not affect project decisions as the associated RFCA WRW ALs are at least three times greater than the highest sample result (Table 3).

Table 13
Sample MS Evaluation Summary

Test Method	CAS No.	Analyte	Minimum Percent Recovery	Maximum Percent Recovery	No. of Samples	No. of Lab Batches
SW-846 8260	71-55-6	1,1,1-Trichloroethane	0	261.3	29	29
SW-846 8260	79-34-5	1,1,2,2-Tetrachloroethane	0	118	30	30
SW-846 8260	79-00-5	1,1,2-Trichloroethane	0	116.2	30	30
SW-846 8260	75-34-3	1,1-Dichloroethane	0	116.1	30	30
SW-846 8260	75-35-4	1,1-Dichloroethene	0	127.9	33	33
SW-846 8260	120-82-1	1,2,4-Trichlorobenzene	0	351	30	30
SW-846 8270B	120-82-1	1,2,4-Trichlorobenzene	60	62	2	2
SW-846 8260	95-50-1	1,2-Dichlorobenzene	0	110.8	30	30
SW-846 8260	107-06-2	1,2-Dichloroethane	0	122.3	30	30
SW-846 8260	78-87-5	1,2-Dichloropropane	0	114.3	30	30
SW-846 8260	106-46-7	1,4-Dichlorobenzene	0	109	30	30

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Test Method	CAS No.	Analyte	Minimum Percent Recovery	Maximum Percent Recovery	No. of Samples	No. of Lab Batches
SW-846 8270B	106-46-7	1,4-Dichlorobenzene	59	60	2	2
SW-846 8270B	121-14-2	2,4-Dinitrotoluene	68	77	2	2
SW-846 8260	78-93-3	2-Butanone	0	121	30	30
SW-846 8270B	95-57-8	2-Chlorophenol	63	64	2	2
SW-846 8081A	50-29-3	4,4'-DDT	0	106	6	6
SW-846 8260	108-10-1	4-Methyl-2-pentanone	0	136.7	30	30
SW-846 8270B	100-02-7	4-Nitrophenol	49	63	2	2
SW-846 8270B	83-32-9	Acenaphthene	60	64	2	2
SW-846 8260	67-64-1	Acetone	0	212.7	30	30
SW-846 8081A	309-00-2	Aldrin	0	91	6	6
SW-846 6010/6010B	7429-90-5	Aluminum	250	5500	5	5
SW-846 6010/6010B	7440-36-0	Antimony	28	46	5	5
SW-846 8082	12674-11-2	Aroclor-1016	0	21000	13	13
SW-846 8082	11096-82-5	Aroclor-1260	-978	276	13	13
SW-846 6010/6010B	7440-38-2	Arsenic	89	93	5	5
SW-846 6010/6010B	7440-39-3	Barium	102	125	5	5
SW-846 8260	71-43-2	Benzene	0	115.5	33	33
SW-846 6010/6010B	7440-41-7	Beryllium	88	96	5	5
SW-846 8260	75-27-4	Bromodichloromethane	0	118.6	30	30
SW-846 8260	75-25-2	Bromoform	0	123.3	30	30
SW-846 8260	74-83-9	Bromomethane	0	137.8	30	30
SW-846 6010/6010B	7440-43-9	Cadmium	80	96	5	5
SW-846 8260	75-15-0	Carbon Disulfide	0	87	30	30
SW-846 8260	56-23-5	Carbon Tetrachloride	0	118.7	30	30
SW-846 8260	108-90-7	Chlorobenzene	0	108	33	33
SW-846 8260	75-00-3	Chloroethane	0	108	30	30
SW-846 8260	67-66-3	Chloroform	0	114.6	29	29
SW-846 8260	74-87-3	Chloromethane	0	120.4	30	30
SW-846 6010/6010B	7440-47-3	Chromium	95	147	5	5
SW-846 8260	10061-01-5	cis-1,3-Dichloropropene	0	118.1	30	30
SW-846 6010/6010B	7440-48-4	Cobalt	82	96	5	5
SW-846 6010/6010B	7440-50-8	Copper	90	109	5	5
SW-846 8260	124-48-1	Dibromochloromethane	0	141.6	30	30
SW-846 8081A	60-57-1	Dieldrin	0	91	6	6
SW-846 8081A	72-20-8	Endrin	0	97	6	6
SW-846 8260	100-41-4	Ethylbenzene	0	108.4	30	30
SW-846 8081A	58-89-9	gamma-BHC	0	93	6	6
SW-846 8081A	76-44-8	Heptachlor	0	96	6	6
SW-846 8260	87-68-3	Hexachlorobutadiene	0	107.5	30	30
SW-846 6010/6010B	7439-89-6	Iron	0	1530	5	5
SW-846 6010/6010B	7439-92-1	Lead	85	96	5	5
SW-846 6010/6010B	7439-93-2	Lithium	95	107	5	5
SW-846 6010/6010B	7439-96-5	Manganese	0	173	5	5

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Test Method	CAS No.	Analyte	Minimum Percent Recovery	Maximum Percent Recovery	No. of Samples	No. of Lab Batches
SW-846 6010/6010B	7439-97-6	Mercury	96	100	5	5
SW-846 8260	75-09-2	Methylene chloride	0	120.3	30	30
SW-846 6010/6010B	7439-98-7	Molybdenum	81	88	5	5
SW-846 8270B	621-64-7	n-Nitrosodipropylamine	65	67	2	2
SW-846 8260	91-20-3	Naphthalene	0	111	30	30
SW-846 6010/6010B	7440-02-0	Nickel	88	95	5	5
SW-846 8270B	87-86-5	Pentachlorophenol	37	56	2	2
SW-846 8270B	108-95-2	Phenol	66	68	2	2
SW-846 8270B	129-00-0	Pyrene	61	63	2	2
SW-846 6010/6010B	7782-49-2	Selenium	82	92	5	5
SW-846 6010/6010B	7440-22-4	Silver	89	104	5	5
SW-846 6010/6010B	7440-24-6	Strontium	99	107	5	5
SW-846 8260	100-42-5	Styrene	0	107.4	30	30
SW-846 8260	127-18-4	Tetrachloroethene	-2107	1220	34	34
SW-846 6010/6010B	7440-31-5	Tin	83	88	5	5
SW-846 8260	108-88-3	Toluene	0	110.2	33	33
SW-846 8260	10061-02-6	trans-1,3-Dichloropropene	0	113	30	30
SW-846 8260	79-01-6	Trichloroethene	0	512.1	34	34
SW-846 6010/6010B	11-09-6	Uranium, Total	89	100	5	5
SW-846 6010/6010B	7440-62-2	Vanadium	91	160	5	5
SW-846 8260	75-01-4	Vinyl chloride	0	129.6	30	30
SW-846 8260	1330-20-7	Xylene	0	115.48	30	30
SW-846 6010/6010B	7440-66-6	Zinc	77	97	5	5

14.2.2 Precision

Precision is measured by evaluated both MSDs and field duplicates, as described in the following sections.

Sample Matrix Spike Duplicate Evaluation

Laboratory precision is measured through use of MSDs, as summarized in Table 14. Analytes with the highest relative percent differences (RPDs) were reviewed by comparing the highest sample result to the RFCA WRW AL. For analytes with RPDs greater than 35 percent, if the highest sample concentrations were sufficiently below the AL, no further action is needed. Review of analytes listed on Table 14 with a RPD of greater than 35 percent indicated decisions were not impacted.

Table 14
Sample MSD Evaluation Summary

Test Method	CAS No.	Analyte	Max RPD (%)
SW-846 8260	71-55-6	1,1,1-Trichloroethane	67.8
SW-846 8260	79-34-5	1,1,2,2-Tetrachloroethane	30.8

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Test Method	CAS No.	Analyte	Max RPD (%)
SW-846 8260	79-00-5	1,1,2-Trichloroethane	14.2
SW-846 8260	75-34-3	1,1-Dichloroethane	12.7
SW-846 8260	75-35-4	1,1-Dichloroethene	42.9
SW-846 8260	120-82-1	1,2,4-Trichlorobenzene	193.1
SW-846 8270B	120-82-1	1,2,4-Trichlorobenzene	8.0
SW-846 8260	95-50-1	1,2-Dichlorobenzene	24.5
SW-846 8260	107-06-2	1,2-Dichloroethane	14.4
SW-846 8260	78-87-5	1,2-Dichloropropane	11.5
SW-846 8270B	106-46-7	1,4-Dichlorobenzene	8.0
SW-846 8260	106-46-7	1,4-Dichlorobenzene	28.2
SW-846 8270B	121-14-2	2,4-Dinitrotoluene	11.0
SW-846 8260	78-93-3	2-Butanone	19.1
SW-846 8270B	95-57-8	2-Chlorophenol	9.1
SW-846 8081A	50-29-3	4,4'-DDT	7.7
SW-846 8260	108-10-1	4-Methyl-2-pentanone	25.7
SW-846 8270B	100-02-7	4-Nitrophenol	13.3
SW-846 8270B	83-32-9	Acenaphthene	7.5
SW-846 8260	67-64-1	Acetone	36.7
SW-846 8081A	309-00-2	Aldrin	5.6
SW-846 6010/6010B	7429-90-5	Aluminum	65.4
SW-846 6010/6010B	7440-36-0	Antimony	16.4
SW-846 8082	12674-11-2	Aroclor-1016	200.0
SW-846 8082	11096-82-5	Aroclor-1260	1638.2
SW-846 6010/6010B	7440-38-2	Arsenic	6.5
SW-846 6010/6010B	7440-39-3	Barium	19.3
SW-846 8260	71-43-2	Benzene	15.2
SW-846 6010/6010B	7440-41-7	Beryllium	15.7
SW-846 8260	75-27-4	Bromodichloromethane	13.3
SW-846 8260	75-25-2	Bromoform	17.1
SW-846 8260	74-83-9	Bromomethane	17.5
SW-846 6010/6010B	7440-43-9	Cadmium	16.2
SW-846 8260	75-15-0	Carbon Disulfide	32.3
SW-846 8260	56-23-5	Carbon Tetrachloride	15.7
SW-846 8260	108-90-7	Chlorobenzene	17.7
SW-846 8260	75-00-3	Chloroethane	121.6
SW-846 8260	67-66-3	Chloroform	13.5
SW-846 8260	74-87-3	Chloromethane	59.4
SW-846 6010/6010B	7440-47-3	Chromium	39.3
SW-846 8260	10061-01-5	cis-1,3-Dichloropropene	24.2
SW-846 6010/6010B	7440-48-4	Cobalt	13.6
SW-846 6010/6010B	7440-50-8	Copper	28.3
SW-846 8260	124-48-1	Dibromochloromethane	14.4
SW-846 8081A	60-57-1	Dieldrin	6.8
SW-846 8081A	72-20-8	Endrin	7.0
SW-846 8260	100-41-4	Ethylbenzene	20.1
SW-846 8081A	58-89-9	gamma-BHC	6.7
SW-846 8081A	76-44-8	Heptachlor	6.5
SW-846 8260	87-68-3	Hexachlorobutadiene	29.3

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Test Method	CAS No.	Analyte	Max RPD (%)
SW-846 6010/6010B	7439-89-6	Iron	200.0
SW-846 6010/6010B	7439-92-1	Lead	20.9
SW-846 6010/6010B	7439-93-2	Lithium	8.6
SW-846 6010/6010B	7439-96-5	Manganese	116.3
SW-846 6010/6010B	7439-97-6	Mercury	3.0
SW-846 8260	75-09-2	Methylene chloride	11.6
SW-846 6010/6010B	7439-98-7	Molybdenum	2.4
SW-846 8270B	621-64-7	n-Nitrosodipropylamine	7.2
SW-846 8260	91-20-3	Naphthalene	38.2
SW-846 6010/6010B	7440-02-0	Nickel	20.0
SW-846 8270B	87-86-5	Pentachlorophenol	7.4
SW-846 8270B	108-95-2	Phenol	7.1
SW-846 8270B	129-00-0	Pyrene	5.0
SW-846 6010/6010B	7782-49-2	Selenium	3.6
SW-846 6010/6010B	7440-22-4	Silver	3.4
SW-846 6010/6010B	7440-24-6	Strontium	21.3
SW-846 8260	100-42-5	Styrene	19.3
SW-846 8260	127-18-4	Tetrachloroethene	234.3
SW-846 6010/6010B	7440-31-5	Tin	2.4
SW-846 8260	108-88-3	Toluene	17.0
SW-846 8260	10061-02-6	trans-1,3-Dichloropropene	20.8
SW-846 8260	79-01-6	Trichloroethene	96.8
SW-846 6010/6010B	11-09-6	Uranium, Total	2.2
SW-846 6010/6010B	7440-62-2	Vanadium	43.5
SW-846 8260	75-01-4	Vinyl chloride	40.0
SW-846 8260	1330-20-7	Xylene	20.4
SW-846 6010/6010B	7440-66-6	Zinc	51.2

Field Duplicate Evaluation

Field duplicate results reflect sampling precision, or overall repeatability of the sampling process. The frequency of field duplicate collection should exceed 1 field duplicate per 20 real samples, or 5 percent. Table 15 indicates field duplicate frequencies were inadequate for radionuclides (alpha and gamma spectroscopy), metals (SW846 6010/6010B), SVOCs (SW-846 8270B), and VOCs (SW-846 8260). However, project decisions were not impacted for the following reasons:

- Activities for all radionuclides were below RFCA WRW ALs.
- Concentrations of metals with the exception of arsenic in IHSS 900-154 were below RFCA WRW ALs. Arsenic was detected in subsurface soil; therefore, based on RFCA, remediation was not required.
- SVOC concentrations were well below RFCA WRW ALs.
- All VOCs at concentrations greater than RFCA WRW ALs were excavated.

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Table 15
Field Duplicate Sample Frequency Summary

Test Method	No. of Real Samples	No. of Duplicate Samples	% Duplicate Samples
Alpha spectroscopy	26	0	0.00%
Gamma spectroscopy	99	3	3.03%
SW-846 6010/6010B	69	3	4.35%
SW-846 8081A	73	4	5.48%
SW-846 8082	173	11	6.36%
SW-846 8260	339	15	4.42%
SW-846 8270B	68	3	4.41%
SW-846 8290	1	1	100.00%

The field duplicate RPD values indicate how much variation exists in the field duplicate analyses. EPA data validation guidelines state "there are no required review criteria for field duplicate analyses comparability" (EPA 1994b). For the DQA, the highest RPD values were reviewed (Table 16). For this project, project decisions were not impacted.

Table 16
RPD Evaluation Summary

Lab Code	Test Method	Analyte	Max RPD (%)
ESTLDEN	SW-846 8260	1,1,1-Trichloroethane	179.822
ESTLDEN	SW-846 8260	1,1-Dichloroethene	102.439
ESTLDEN	SW-846 8260	1,2,4-Trichlorobenzene	114.050
URS	SW-846 8260	1,2,4-Trichlorobenzene	177.229
ESTLDEN	SW-846 8260	1,2-Dichlorobenzene	63.415
ESTLDEN	SW-846 8260	1,4-Dichlorobenzene	72.340
ESTLDEN	SW-846 8260	Acetone	25.352
ESTLDEN	SW-846 8082	Aroclor-1254	85.714
ESTLDEN	SW-846 8082	Aroclor-1260	95.000
ESTLDEN	SW-846 8260	Chloroform	183.387
ESTLDEN	SW-846 8260	Ethylbenzene	41.221
ESTLDEN	SW-846 8260	Methylene chloride	21.429
ESTLDEN	SW-846 8260	Naphthalene	111.688
ESTLDEN	SW-846 8260	Tetrachloroethene	197.962
URS	SW-846 8260	Tetrachloroethene	150.893
ESTLDEN	SW-846 8260	Toluene	14.815
ESTLDEN	SW-846 8260	Trichloroethene	188.151
ESTLDEN	SW-846 8260	Xylene	108.197

14.2.3 Completeness

Based on original project DQOs, a minimum of 25 percent of ER Program analytical (and radiological) results must be formally verified and validated. Of that percentage, no more

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than 10 percent of the results may be rejected, which ensures that analytical laboratory practices are consistent with quality requirements. The number and percentage of validated records (codes without "1"), the number and percentage of verified records (codes with "1"), and the percentage of rejected records for each analyte group for this project are listed in Table 17.

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**Table 17
Validation and Verification Summary**

Validation Qualifier Code	Total No. of Records	No. of Alpha Spectroscopy Records	No. of Gamma Spectroscopy Records	No. of SW-846 6010/6010B Records	No. of SW-846 8081A Records	No. of SW-846 8082 Records	No. of SW-846 8260 Records	No. of SW-846 8260 Records
No V&V	876	0	174	0	0	126	576	0
I	454	0	15	0	0	120	266	53
J	208	0	0	179	16	2	11	0
J1	278	2	0	227	1	13	35	0
JB	13	0	0	0	0	0	13	0
JB1	123	0	0	0	4	0	119	0
R1	12	0	0	11	0	0	1	0
U	3	0	0	0	0	0	3	0
U1	7	0	0	0	0	0	7	0
UJ	130	0	0	62	0	0	37	31
UJ1	840	0	0	38	5	0	775	22
V	5053	90	78	449	511	222	2060	1643
V1	13879	38	30	621	704	854	9709	1923
Total	21876	130	297	1587	1241	1337	13612	3672
Validated	5407	90	78	690	527	224	2124	1674
% Validated	24.72%	69.23%	26.26%	43.48%	42.47%	16.75%	15.60%	45.59%
Verified	15593	40	45	897	714	987	10912	1998
% Verified	71.28%	30.77%	15.15%	56.52%	57.53%	73.82%	80.16%	54.41%
Rejected	12	0	0	11	0	0	1	0
% Rejected	0.05%	0.00%	0.00%	0.69%	0.00%	0.00%	0.01%	0.00%

Validated codes: I, V, JB, UJ

Verified codes: I, J1, V1, JB1, UJ1

Twelve records for metals and VOCs out of 21,876 (0.05 percent) validated records were rejected. None of rejected records affected project decisions. For this project, 24.72 percent of the analyses were validated. This is below Program requirements; however, the overall ER Program V&V goal of 25 percent is being met.

14.2.4 Sensitivity

Reporting limits, in units of ug/kg for organics, mg/kg for metals, and picocuries per gram (pCi/g) for radionuclides, were compared with RFCA WRW ALs. Adequate sensitivities of analytical methods were attained for all COCs that affect remediation decisions. "Adequate" sensitivity is defined as an RL less than an analyte's associated AL, typically less than one-half the AL.

14.3 Summary of Data Quality

RPDs greater than 35 percent indicate the sampling precision limits of some analytes have been exceeded. Also, the validation percentage for PCBs and VOC are below 25 percent; however, the ER Program V&V goal of 25 percent is being met. Data collected and used for IHSS Group 900-2 are adequate for decision making.

15.0 CONCLUSIONS

Results of the accelerated action justify No Further Accelerated Action (NFAA) for IHSS Group 900-2. Justification is based on the following:

- The potential sources of contamination (PCBs and VOCs) existing in soil at concentrations greater than RFCA WRW ALs in the Oil Burn Pit No. 2 (IHSS 900-153) were removed to protect groundwater.
- The excavation area and clean backfill soil at Oil Burn Pit No. 2 (IHSS 900-153) were treated with HRC®; therefore, residual VOC contamination in the soil and groundwater should continue to degrade in this area.
- A french drain was installed downgradient of IHSS Group 900-2 to ensure that water through this area is captured and directed to the Mound Site Plume Collection and Treatment System.
- Residual contaminant concentrations are below RFCA WRW ALs in Oil Burn Pit No. 2 (IHSS 900-153).
- Arsenic is present at concentrations greater than the RFCA WRW AL in the Pallet Burn Site (IHSS 900-154); however, because the exceedances are located in subsurface soil at a depth of 4.5 ft or greater, the site did not require remediation based on RFCA.
- In accordance with the SSRS, subsurface soil in the area is not subject to significant erosion.

16.0 REFERENCES

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K-H, 2002b, V&V Guidelines for Isotopic Determinations by Alpha Spectrometry, DA-RC01-v1, October.

K-H, 2002c, V&V Guidelines for Volatile Organics, DA-SS01-v1, October.

K-H, 2002d, V&V Guidelines for Semivolatile Organics, DA-SS02-v1, October.

K-H, 2002e, V&V Guidelines for Metals, DA-SS05-v1, October.

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Appendix A
Correspondence

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time:	3-24-05 / 8:00 am	
Site Contact(s):	Annette Primrose	Norma Castaneda
Phone:	966-4385	966-4226
Regulatory Contact:	Sam Garcia	Elizabeth Pottorff
Phone:	303 312-6247	303 692-3429
Agency:	EPA	CDPHE

Purpose of Contact: 900-2 IHSS 153 Oil Burn Pit excavation backfill on main excavation using staged materials

Discussion

All soils from the main excavation were removed and packaged as waste. However, contamination in the eastern extension was deeper. Soil from 8 to total depth of the excavation was removed and packaged as waste. Soil from 0-8 feet will be used as backfill. VOCs and PCB screening results were below WRW action levels.

Some of the area surrounding the excavation will be removed during land configuration. These soils also contain low levels of contamination and will be used to backfill the existing excavation.

These soils will be used as backfill in the northern part of the excavation where HRC-X will be added, including the northeast extension.

Backfill of the initial approximately 110 foot long excavation is approved with HRC-X added to all areas except the southernmost 50 linear feet of excavation. Confirmation samples in this area are all below WRW action levels.

Contact Record Prepared By: Annette Primrose

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 J. Berardini, K-H
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ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time:	3-24-05 / 12:20	
Site Contact(s):	Annette Primrose	Norma Castaneda
Phone:	966-4385	966-4226
Regulatory Contact:	Sam Garcia	Elizabeth Pottorff
Phone:	303 312-6247	303 692-3429
Agency:	EPA	CDPHE

Purpose of Contact: 900-2 IHSS 153 Oil Burn Pit remaining excavation backfill

Discussion

The onsite VOC sample results from the eastern extension of the excavation and the northern extension from that area have all been received and are below WRW ALs. PCB sample results are not yet received but are anticipated to be below action levels based on earlier sample results.

Backfill of these final areas will proceed prior to receipt of PCB sample results because of projected (and current) precipitation and potential further collapse of the northern excavation walls. HRC-X will be added with the backfill.

Contact Record Prepared By: Annette Primrose

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Additional Distribution:

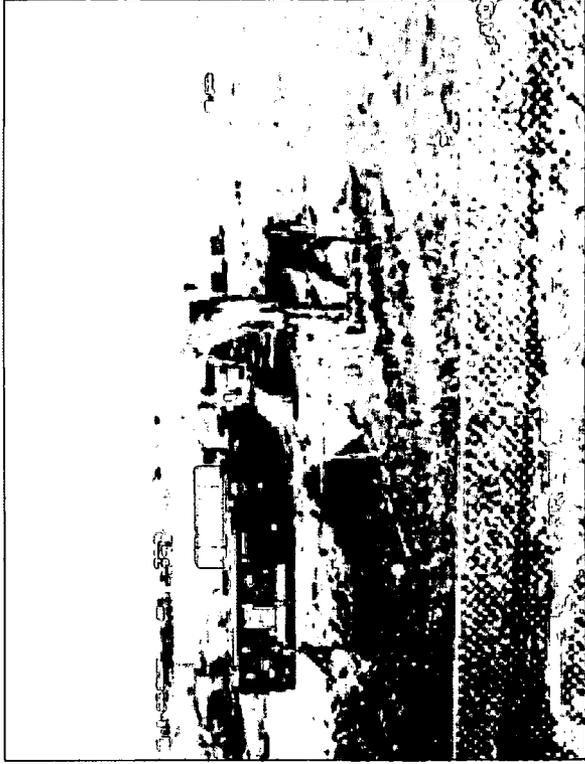
T. Lindsay, K-H RISS
J. Hebert, K-H RISS
G. Pudlik, K-H RISS

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Appendix B
Project Photographs



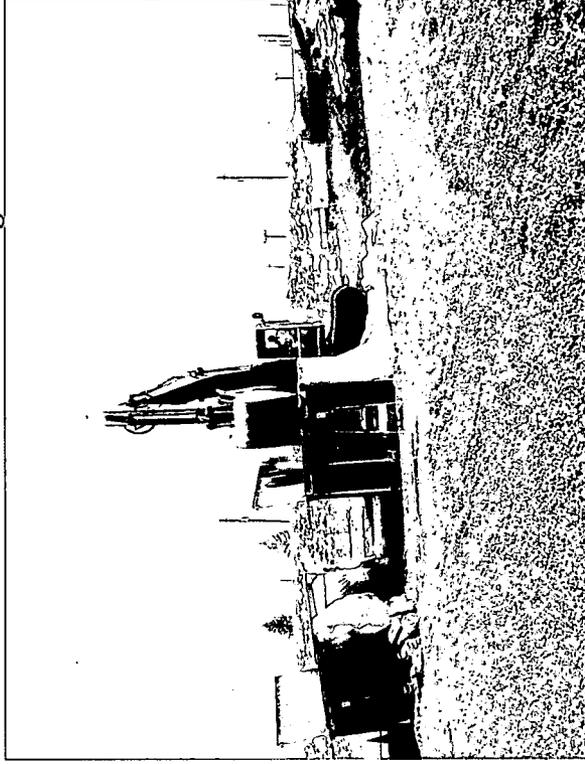
900-2 Initial excavation view looking east



Initial excavation view looking north



Storm drain on south end of excavation



Loading intermodal container



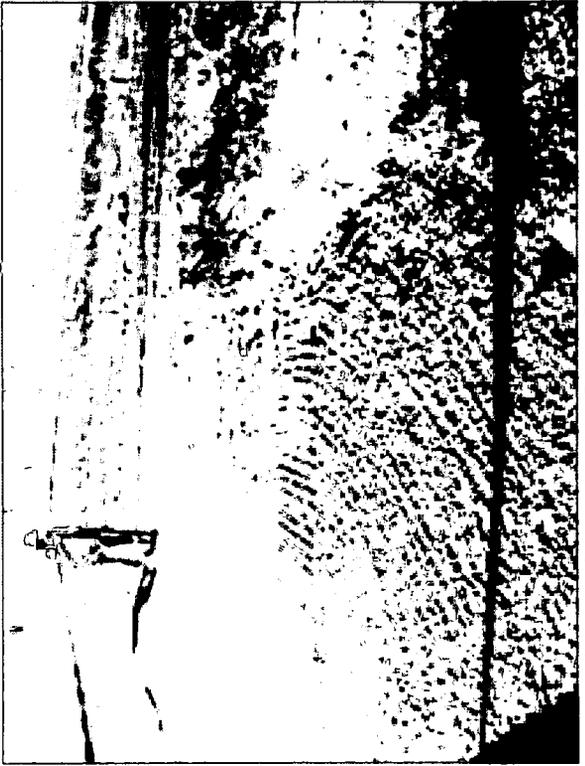
Staged intermodals awaiting loading



Excavation view looking north



Excavation view looking south



Planned excavation boundary (north end)



Eastern excavation view looking west



Begin placement of clean backfill on southern end of excavation



Hydrogen release compound (HRC) mixing operations



HRC mixing container



Application of HRC into excavation



Excavation with clean backfill near completion



Application of HRC to first lift of clean backfill



Completion of excavation backfilling

Enclosure

**CD Containing Standardized Real and
QC Accelerated Action Data**

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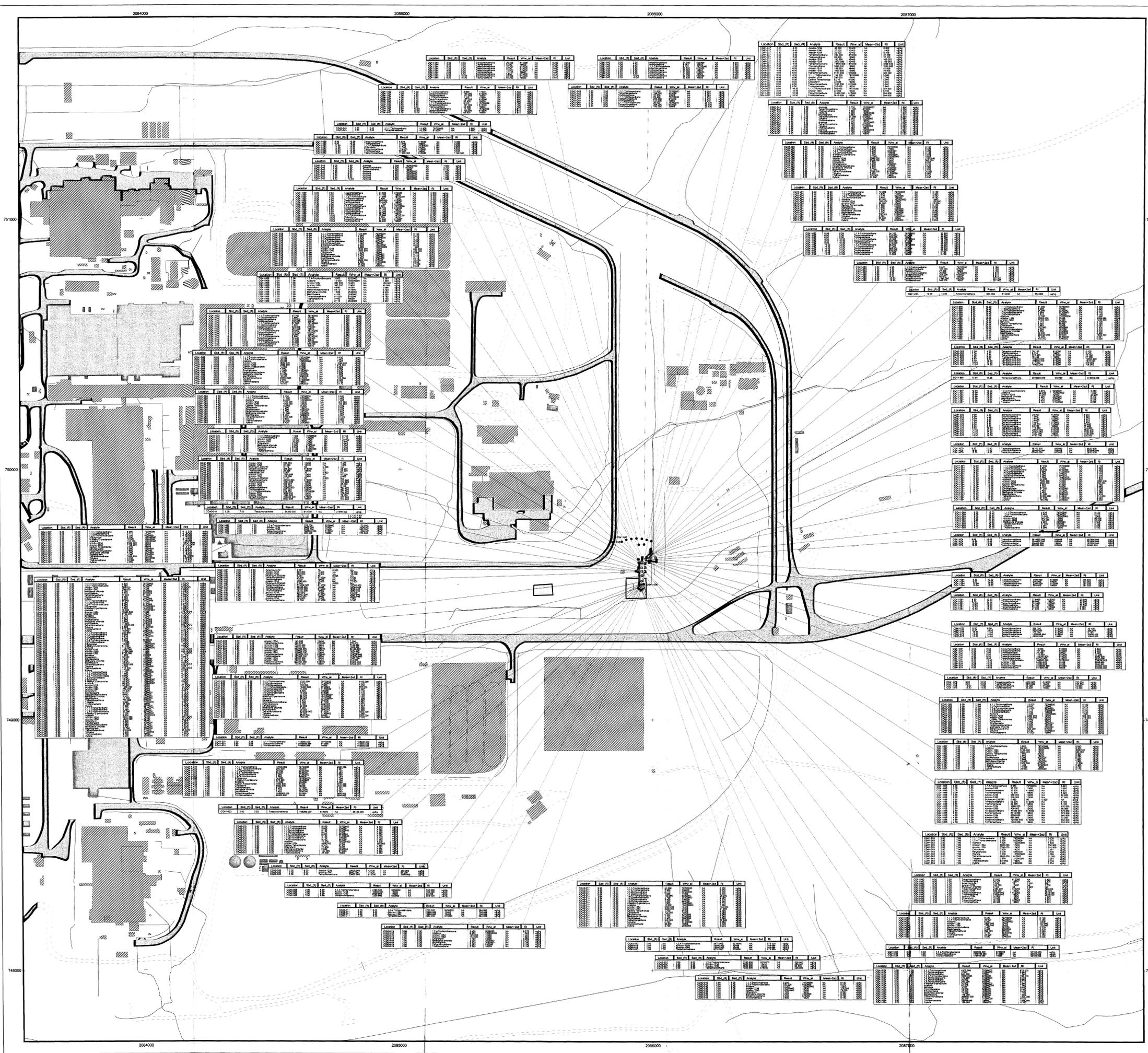
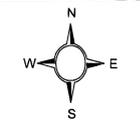


Figure 5
IHSS 900-153
(FY05)
Characterization,
In-Process, and Confirmation
Soil Sampling Results
Greater than Background
Means Plus Two Standard
Deviations or RLs

- Key**
- Characterization location with concentrations greater than background means plus two standard deviations or RLs
 - Characterization location with concentrations less than background means plus two standard deviations or RLs
 - ▲ In-process location with concentrations greater than WRW ALs (location is NLR)
 - ▲ In-process location with concentrations greater than background means plus two standard deviations or RLs (location is NLR)
 - Confirmation location with concentrations greater than background means plus two standard deviations or RLs

- Excavation Area
- IHSS
- Demolished structure
- Structure
- Asphalt
- Dirt road
- Stream, ditch, or other drainage feature

DRAFT



200 0 200 Feet

Scale = 1 : 1,500

State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD 27

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

Prepared by: Date: 05-16-05

Prepared for:

KAISER-HILL
COMPANY