PACIFIC AIR FORCES
REGIONAL SUPPORT CENTER

BEAVER CREEK RRS, ALASKA

SITE CLOSURE REPORT

WHITE ALICE COMMUNICATIONS SYSTEM
SITE OT001
BEAVER CREEK RRS, ALASKA

FINAL
SEPTEMBER 2015

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ACRONYMS AND ABBREVIATIONS

AAC	Alaska Administrative Code
ADEC	Alaska Department of Environmental Conservation
AFCEC	Air Force Civil Engineer Center
DRO	diesel-range organics
EPH	extractable, aromatic, and aliphatic petroleum hydrocarbons
GRO	gasoline-range organics
IRP	Installation Restoration Program
mg/kg	milligrams per kilogram
NFA	No Further Action
PCB	polychlorinated biphenyl
POL	petroleum, oil, and lubricants
RCRA	Resource Conservation and Recovery Act
RI	remedial investigation
RRO	residual-range organics
RRS	Radio Relay Station
SCR	Site Closure Report
SI	site investigation
SVOC	semivolatile organic compound
USAF	U.S. Air Force
UST	underground storage tank
VOC	volatile organic compound
WACS	White Alice Communications System

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EXECUTIVE SUMMARY

This Site Closure Report presents the information required to support a "Cleanup Complete" determination for Site OT001 Beaver Creek Radio Relay Station (RRS). Site OT001 is a Joint Base Elmendorf-Richardson-controlled, 2.5-acre White Alice Communications System site at the Beaver Creek RRS, Alaska. The building and tower are currently leased from the U.S. Air Force by AT&T Inc. The site is used occasionally by AT&T Inc. personnel to maintain the tower antennae, storage, power generation, and electronic systems.

Contamination in soil was discovered at the site in 1990 during the removal of a 20,000-gallon underground storage tank (UST). During that same year, approximately 450 cubic yards of extractable, aromatic, and aliphatic petroleum hydrocarbon (EPH)-contaminated soil associated with the tank were excavated following the tank removal and stored in a biopile at the site. In 1992, additional soil contamination was discovered in a drainage ditch southwest of the former UST, which resulted in the removal and transport of 57 cubic yards of contaminated soil to Fairbanks for incineration in 1993. In November 1994, a No Further Action (NFA) proposal was submitted by New Horizons Telecom, Inc. regarding the removed UST, remediated drainage ditch and former biopile. In December 1994, the Alaska Department of Environmental Conservation (ADEC) concurred with the NFA designation for the site.

The site was revisited in 2000 and additional surface soil sampling indicated concentrations of diesel-range organics (DRO) above the most stringent ADEC Method Two, under 40-inch zone, migration to groundwater cleanup level of 250 milligrams per kilogram (mg/kg). As a result, a remedial investigation was conducted in 2014 to determine and document the nature and extent of soil contamination at Site OT001. Soil samples were collected and analyzed for gasoline-range organics, DRO, residual-range organics (RRO), volatile organic compounds, semivolatile organic compounds, polychlorinated biphenyls, and Resource Conservation and Recovery Act metals. DRO and RRO were the only analytes detected in concentrations above ADEC Method Two, under 40-inch zone, migration to groundwater cleanup levels in surface and subsurface samples, but no groundwater was encountered during drilling activities. In

addition to collecting soil samples for laboratory analysis, six formerly cleared areas along the easement right-of-way were inspected for use as prior debris burial sites.

Since no groundwater was observed during drilling or excavation activities onsite, it was determined that the most stringent ADEC migration to groundwater cleanup levels do not apply to Site OT001. Results from previous investigations were compared to ADEC Method Two, under 40-inch zone, ingestion cleanup levels. One sample result from the drainage ditch had an RRO concentration (14,000 mg/kg) above the ingestion cleanup level (10,000 mg/kg), but two samples, collected in the drainage ditch less than 10 feet away during 1993 sampling efforts, returned nondetect results for EPH. Due to the proximity of these nondetect results, and because they represent greater depths, the RRO surface soil exceedance is not considered indicative of a larger contaminated area. The surface soil ingestion pathway is, therefore, considered de minimis.

1.0 INTRODUCTION

This Site Closure Report (SCR) presents the information required to support a categorization of "Cleanup Complete" at Site OT001 Beaver Creek Radio Relay Station (RRS), Alaska. This report was prepared by Jacobs Engineering Group Inc. for the Air Force Civil Engineer Center (AFCEC) under AFCEC Contract Number FA8903-08-D-8773, Project Number BBYW20137795, Task Order Number 0158.

1.1 REPORT OBJECTIVES

This SCR was prepared in accordance with Alaska Department of Environmental Conservation (ADEC) final reporting requirements for site closure per Alaska Administrative Code (AAC) Title 18, Chapter 75, Section 380 (18 AAC 75.380) (ADEC 2014). Table 1-1 summarizes the required information and provides a cross-reference to the section in this SCR.

Table 1-1
Alaska Administrative Code Requirements

AAC Section	Requirement	Information	SCR Cross-Reference
18 AAC 75.380b(1)	Date and time of release	Release date unknown. Contamination found during UST removal in 1990 and in drainage ditch during 1992 IRP site visit	Section 2.2
18 AAC 75.380b(2)	Location of release including coordinates using, Degrees/Minutes/ Seconds, World Geodetic System 1984	Approximately 3 miles northwest of Northway Junction, Alaska: 463° 03' 32.994", -141° 49' 41.117"	Section 2.0
18 AAC 75.380b(3)	Name and physical address of the site	Site OT001, Beaver Creek RRS, Alaska Mile 1267, Alaska Hwy	Table 1-1
18 AAC 75.380b(4)	Name, mailing address, and telephone number of the owner and of the operator of the site	USAF AFCEC/CZOP, 10471 20th Street, Suite 343, JBER, Alaska 99506	Table 1-1
18 AAC 75.380b(5)	Type and amount of each hazardous substance released	Type: EPH (DRO, RRO) Amount: unknown; approx. 507 cy excavated to date	Section 2.3

Table 1-1
Alaska Administrative Code Requirements (Continued)

AAC Section	Requirement	Information	SCR Cross-Reference
18 AAC 75.380b(6)	Description of environmental damage caused by the release, to the extent the damage can be identified	Contaminated soil was observed in the drainage ditch near the UST site	Section 2.3
18 AAC 75.380b(7)	Demonstration that the free product was recovered in compliance with 18 AAC 75.325(f)(1)(B)	Free product not detected or observed	Not applicable; no product was discovered at Site OT001
18 AAC 75.380b(8)	Summary of each applicable soil and groundwater cleanup level approved under site cleanup rules, and a description of the factors used in determining each applicable cleanup level	Table B2, under 40 inch zone, ingestion soil cleanup levels [18 AAC 75.341(d)]	Section 3.0
18 AAC 75.380b(9)	Description of cleanup actions taken	450 cy of contaminated soil were excavated during UST removal in 1990, and 57 cy were excavated from the drainage ditch in 1993. Additional sampling was performed under the 2014 RI	Section 2.3
18 AAC 75.380b(10)	Demonstration of compliance with applicable institutional control requirements under 18 AAC 75.375	Not applicable	Site OT001 does not have any active institutional controls
18 AAC 75.380b(11)	Cumulative risk calculation	The primary potential human health risk is via ingestion of RRO contamination in soil, but the quantity of RRO remaining onsite is considered de minimis, and the resulting health risks associated with the site are considered to be insignificant for all current and future receptors	Not applicable

Notes:
cy = cubic yards
For additional definitions, refer to the Acronyms and Abbreviations section.

1.2 REPORT ORGANIZATION

This SCR is organized as follows:

- Section 1.0 provides the introduction, project objectives, and report organization.
- Section 2.0 describes the site history and previous investigations conducted at the site.
- Section 3.0 details the site contaminants and applicable cleanup levels.
- Section 4.0 provides a summary and "Cleanup Complete" determination.
- Section 5.0 lists the references used to prepare this document.

In addition, the following appendices provide further information:

- Appendix A provides the figures.
- Appendix B presents the analytical results from the samples collected at the site in 2014 that support site closure.
- Appendix C provides responses to ADEC comments on the draft SCR.

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2.0 SITE DESCRIPTION

Site OT001 is a 2.5-acre White Alice Communications System (WACS) site at Beaver Creek RRS, Alaska (63° 03’ 32.994”, -141° 49’ 41.117”) controlled by the 611th Air Force. Beaver Creek RRS is located within the U.S. Department of Defense Beaver Creek Research Site, approximately 3 miles northwest of Northway Junction, Alaska (Figure A-1). Site OT001 includes the area surrounding the radio relay building, tower, underground storage tank (UST), drainage ditch leading from the UST, and historic biopile and subsequent ADEC-approved landspreading area (Installation Restoration Program [IRP] Site LF002) (Figure A-2).

2.1 SITE HISTORY

The Beaver Creek RRS facility was constructed by the U.S. Air Force (USAF) in 1960 as part of the Ballistic Missile Early Warning System—a branch of the WACS that connected Clear Air Force Station to North American Aerospace Defense Command headquarters in Colorado. Alaska Communications Inc. began leasing the property from USAF in 1984. AT&T Inc. bought out Alaska Communications Inc. and currently leases the property from USAF (USAF 2000). The site is occasionally used by AT&T Inc. personnel to maintain the tower antennae, storage, power generation, and electronic systems.

Historically, WACS activities at the site included power generation, waste disposal, transportation, radar maintenance, communications maintenance, and other general facility maintenance. No documented demolition activities have occurred at this site, except the removal of an old, leaky UST and associated contaminated soil in the early 1990s. Fill material was used to backfill the excavation (USAF 1997; New Horizons 1993).

2.2 NATURE OF RELEASE

The exact date and time of the release at Site OT001 is unknown. Diesel-range organics (DRO)- and residual-range organics (RRO)-contaminated soil was assumed to be related to a former 20,000-gallon UST that was removed from the site in 1990 (USAF 1997). Locations

of soil contamination were the former UST site, a nearby drainage ditch, the former biopile area, and in front of the main door to the radio relay building.

2.3 RESPONSE ACTION HISTORY

1990-1994 Removal Actions

In 1990, Alaska Communications Inc., lessee of Beaver Creek RRS, removed a 20,000-gallon UST from the site along with approximately 450 cubic yards of extractable, aromatic, and aliphatic petroleum hydrocarbon (EPH)-contaminated soil associated with the tank. EPH concentrations ranged from 10.5 to 542 milligrams per kilogram (mg/kg) (New Horizons 1993). The contaminated soil was stored in a biopile, located immediately southeast of the microwave tower (Figure A-2 in Appendix A; USAF 1997).

In July 1992, an IRP site visit conducted by USAF indicated that the biopile remained onsite in deteriorated condition. During this same site visit, a petroleum, oil, and lubricants (POL) spill was discovered in a ditch extending from the former UST location toward the fence line at the property boundary and then offsite for an undetermined distance (USAF 1992).

In September 1992, New Horizons Telecom, Inc. conducted ADEC-approved landspreading of the biopile and collected soil samples from the drainage ditch to delineate the extent of POL contamination. It was determined that contamination was limited to the area near the fence and culvert. EPH contamination along the ditch ranged from nondetect to 221 mg/kg, while the soil contamination at the south end of the culvert ranged from 487 to 22,220 mg/kg (New Horizons 1993).

In June 1993, 57 cubic yards of contaminated soil was removed from the drainage ditch where the 1992 samples were collected and transported to Fairbanks for incineration (USAF 2000, 1997; New Horizons 1993). Samples collected from the soil that remained in place following the 1993 excavation showed EPH concentrations ranging from 4.53 mg/kg to 1,420 mg/kg (New Horizons 1994).

In December 1994, ADEC concurred with the November 1994 No Further Action (NFA) proposal submitted by New Horizons Telecom, Inc. (ADEC 1994). This decision was based on information provided regarding the removed UST, remediated drainage ditch, and former biopile.

2000 Site Investigation

A Site Investigation (SI) was conducted in June 2000. During the SI, five surface soil samples were collected beneath the location of the former biopile and five surface soil samples were collected in front of the main door of the radio relay building. Soil samples were analyzed for gasoline-range organics (GRO), DRO, RRO, volatile organic compounds (VOC), semivolatile organic compounds (SVOC), polychlorinated biphenyls (PCB), and Resource Conservation and Recovery Act (RCRA) metals. Results were compared to the most stringent cleanup levels listed in 18 AAC 75, Method Two, under 40-inch zone (ADEC 2014).

One sample from the former biopile location and two samples near the main door contained DRO concentrations that exceeded the cleanup level (Table 3-1). Arsenic was the only metal detected above its respective cleanup level, but it was not listed as a contaminant of potential concern due to naturally occurring background levels. All other analytes were either less than detection levels or below the most stringent cleanup levels (USAF 2000).

In 2002, ADEC identified several deficiencies in the 1994 SI Report and the 1994 NFA decision and requested an additional investigation to assess the potential sources of contamination at the site, including the potential for fuel distribution pipelines, areas under floor drains, a septic tank outfall area, a waste storage area, and other disposal areas (ADEC 2002).

2014 Remedial Investigation

In 2014, a Remedial Investigation (RI) was conducted to determine and document the nature and extent of soil contamination at Site OT001. A total of 26 surface soil and 24 subsurface soil samples were collected using a hand-auger or direct push drill rig (Figure A-2). DRO and

RRO were detected in concentrations above ADEC Method Two, under 40-inch zone per 18 AAC 75.341(d), Table B2 most stringent cleanup levels (ADEC 2014) in surface and subsurface samples (see Table 3-1); the applicable cleanup levels for DRO and RRO were those for the ingestion cleanup levels because groundwater was not encountered during drilling activities due to site topography and bedrock. Concentrations of GRO, VOCs, SVOCs, PCBs, and pesticides were below cleanup levels in all samples. All DRO and RRO exceedances were located within the drainage ditch. The RRO surface soil exceedance is not indicative of a larger contaminated area and represents a very small volume since RRO was not detected in samples collected less than 10 feet way therefore the volume is de minimis. This is the same ditch where remedial action activities occurred in 1993. Concentrations of arsenic, barium, and/or chromium exceeded ADEC cleanup levels in all 26 samples, with maximum concentrations of 250 mg/kg, 1,150 mg/kg, and 65.1 mg/kg, respectively (USAF 2015). These concentrations are attributed to naturally occurring mineralization related to the igneous activity that created a nearby economic prospect for copper and molybdenum (Cox et al. 1995).

3.0 CONTAMINANTS AND CLEANUP LEVELS

Results from the 2014 RI and previous SIs indicate that soil contamination is either below cleanup levels (ADEC 2014) or de minimis. Contaminants of concern at Site OT001 were DRO and RRO in soil associated with the former UST, former drainage ditch, and former biopile area. For Site OT001, results are compared to ADEC Method Two, under 40-inch zone, ingestion cleanup levels, per 18 AAC 75.341(d), Table B2 (ADEC 2014) (Table 3-1). No groundwater was observed during drilling or excavation activities onsite due to site topography and bedrock; therefore, the most stringent migration to groundwater cleanup levels do not apply (USAF 2015).

Table 3-1
Analytical Result Exceedances in Surface and Subsurface Soil

Report	Location ID	Sample Depth (feet bgs)	Analyte	Result (mg/kg)	Migration to Groundwater Cleanup Level[1] (mg/kg)	Ingestion Cleanup Level[1] (mg/kg)	Inhalation Cleanup Level[1] (mg/kg)
2014 RI (USAF 2015)	SB02	2 - 5	DRO	570	250	10,250	12,500
	SB14	0 - 2	DRO	980	250	10,250	12,500
	SB14	2 - 4.5	DRO	440	250	10,250	12,500
	SB32	0 - 2	DRO	1,100	250	10,250	12,500
	SB32	0 - 2	RRO	14,000	10,000	10,000	22,000
2000 SI (USAF 2000)	50092008-02	surface	DRO	320	250	10,250	12,500
	50092008-09	surface	DRO	226	250	10,250	12,500
	500920080-10	surface	DRO	558	250	10,250	12,500

Notes:
For definitions, refer to the Acronyms and Abbreviations section.
[1]ADEC Method Two, under 40-inch zone per 18 AAC 75.34 1(d), Table B2

Analytical results for one surface soil sample in the drainage ditch from the 2014 RI exceeded the ADEC Method Two, under 40-inch zone, ingestion cleanup level for RRO (Table 3-1). Previous soil sampling from 3 to 4 feet below ground surface in the drainage ditch during the 1992 investigation by New Horizons, at sample locations less than 10 feet from the exceedance location, returned nondetect results for EPH (Figure A-2). Due to the proximity of

these nondetect results, and since they represent greater depths, the RRO surface soil exceedance is not indicative of a larger contaminated area and represents a very small volume of contaminated soil. Therefore, the surface soil ingestion pathway is considered de minimis and, per ADEC, the site has been designated as “Cleanup Complete.”

4.0 CLEANUP COMPLETE DETERMINATION

Analytical results from the 2014 RI indicate that soil contamination levels are either below ADEC Method Two, under 40-inch zone, Ingestion cleanup levels or are considered de minimis based on results from previous sampling events (Table 4-1).

ADEC has determined that the site has been adequately characterized under 18 AAC 75.335 and has achieved the applicable requirements under the site cleanup rules for a "Cleanup Complete" designation. Environmental land use controls are not required.

Table 4-1
Exposure Pathway Evaluation

Pathway	Result	Explanation
Surface Soil Contact	De minimis exposure	Contamination is below soil cleanup levels for ingestion[3] for DRO. RRO concentrations exceed cleanup levels[3] in one sample in drainage. Previous sample results from a 1993 investigation were nondetect for EPH in two subsurface soil samples (3 to 4 feet below ground surface) less than 10 feet from the exceedance. Data suggest that the exceedance is contained in a very limited area and is considered de minimis.
Subsurface Soil Contact	De minimis exposure	Contamination is below soil cleanup levels for ingestion[3].
Inhalation – Outdoor Air	De minimis exposure	Contamination is below cleanup levels for inhalation[4].
Inhalation – Indoor Air (vapor intrusion)	Pathway Incomplete	Contamination is below soil cleanup levels for inhalation[4].
Groundwater Ingestion	Pathway Incomplete	No groundwater has been observed during drilling or excavation activities. Refusal to bedrock was frequently encountered during the 2014 RI at approximately 4 feet.
Surface Water Ingestion	Pathway Incomplete	There is no surface water within 0.5 miles of the site. No known contamination exists at the most proximal surface water body, Beaver Creek, which is 0.55 miles from Site OT001.
Wild Foods Ingestion	Pathway Incomplete	The site is fenced and is not used for hunting, fishing, or harvesting of wild or farmed foods, and such activities are not anticipated in the future.
Exposure to Ecological Receptors	Pathway Incomplete	Contamination is within the vadose zone, but none of the contaminants have the potential for bioaccumulation. The migration to groundwater or surface water pathway is incomplete.

Notes:
For definitions, refer to the Acronyms and Abbreviations section.
1. De minimis exposure means the pathway is complete; however, receptors are unlikely to be affected by the minimal volume or concentration of remaining contamination.
2. 'Pathway incomplete' means contamination has no potential to contact receptors.
3. ADEC Method Two Soil Cleanup Levels, under 40-inch zone, ingestion [18 AAC 75.341(d)], Table B2
4. ADEC Method Two Soil Cleanup Levels, under 40-inch zone, inhalation [18 AAC 75.341(d)], Table B2

5.0 REFERENCES

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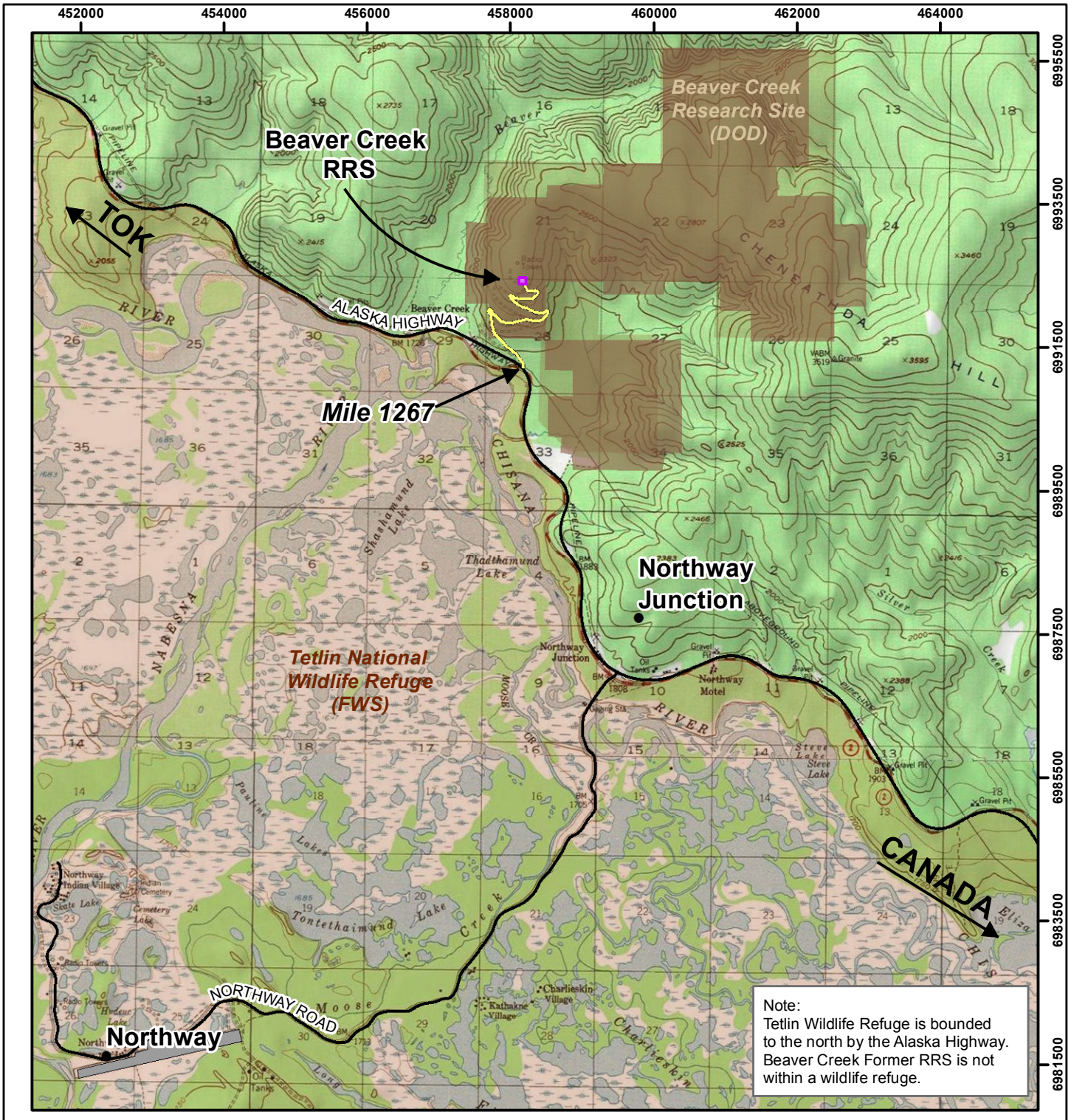
APPENDIX A

Figures



Tetlin National Wildlife Refuge
Beaver Creek Research Site
Beaver Creek RRS
Access Road
Major Road

All Locations Are Approximate
0 0.5 1 1.5 2
Miles

WGS 1984 UTM Zone 7N Transverse Mercator (meters)

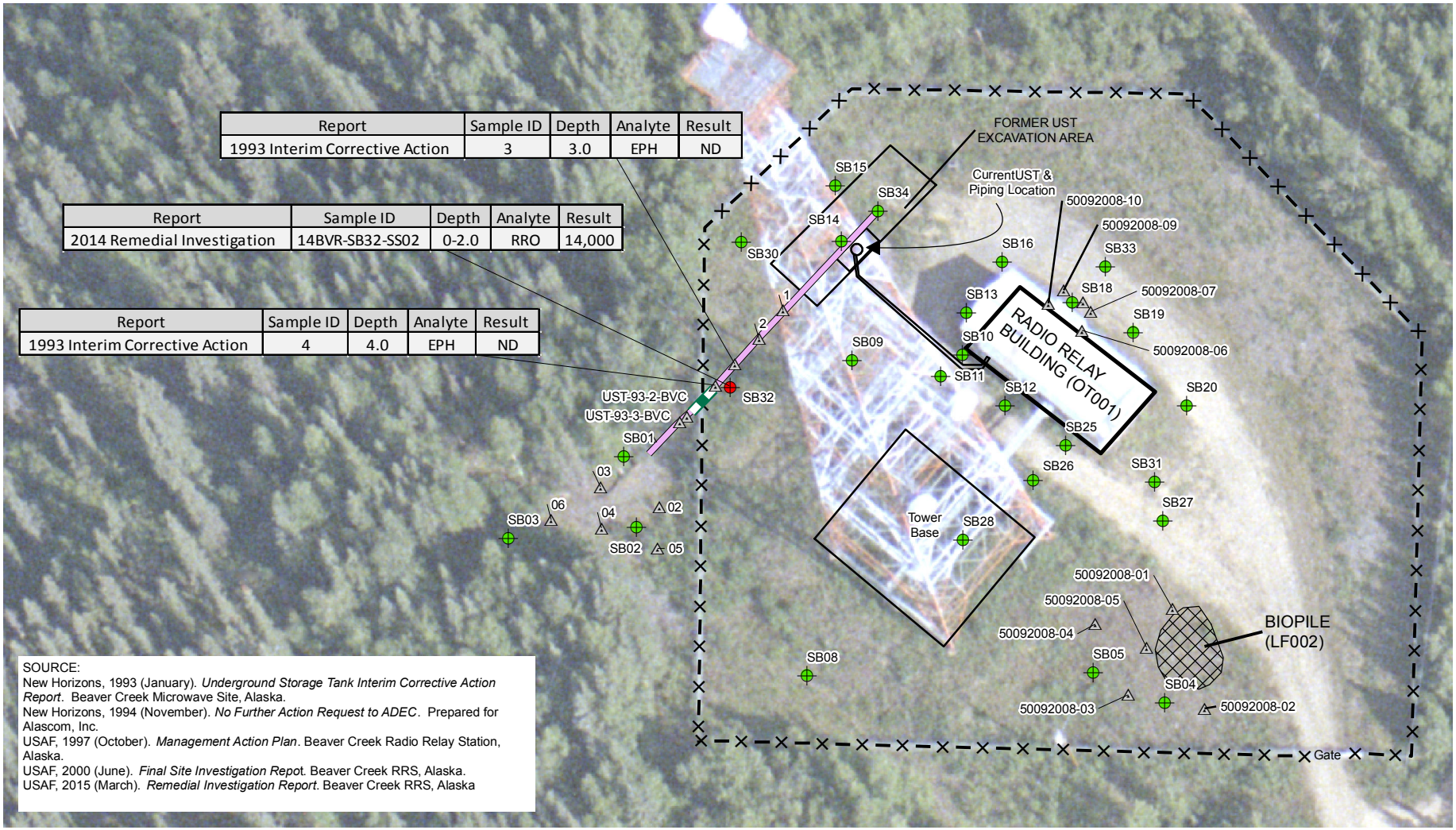
N

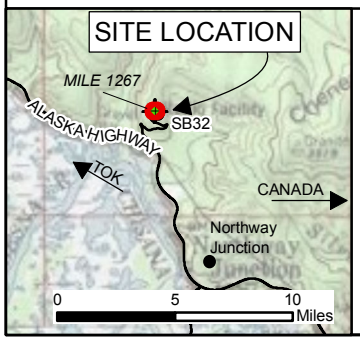
BEAVER CREEK RRS
LOCATION AND VICINITY

BEAVER CREEK, MILE 1267 ALASKA HIGHWAY, ALASKA

JACOBS	DATE:	PROJECT MANAGER:	FIGURE NO:
	16 APR 2015	J. WEHRMANN	A-1

P:\BeaverCreek\MXD\SiteClosure\BeaverCreekRRS_SiteLocMap.mxd billinjf





2014 RI Soil Boring Sample Below Cleanup
2014 RI Soil Boring Sample Above Cleanup
Historical Sample
Culvert
Ditch
Fence
Structure
Building

Analyte	ADEC Cleanup Level for Ingestion (mg/kg)
DRO	10,250
RRO	10,000

NOTES:
-Results are in milligrams per kilogram (mg/kg)
-Depth is in feet below ground surface
-Cleanup level from 18AAC75 Table B2 Under 40 Inch Zone Ingestion

All Locations Are Approximate
0 10 20 30 40 50
Feet
WGS 1984 UTM Zone 7N, Imagery: Aerometric 2004

N

SITE OT001 SAMPLE LOCATIONS, EXCEEDANCES AND SELECTED RESULTS

BEAVER CREEK RRS, MILEPOST 1267 ALASKA HIGHWAY, ALASKA

JACOBS	DATE:	PROJECT MANAGER:	FIGURE NO:
	01 SEP 2015	J. WEHRMANN	A-2

P:\BeaverCreek\MXD\SiteClosure\FigA2_BeaverCreekRRS_SoilBoringFuelExceedances.mxd eggerikt

APPENDIX B

Chemical Data Tables

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID	SB01	SB01	SB01	SB01	SB02	SB02	SB02	SB02	SB03	SB03	SB03	SB03	SB04	SB04	SB04	SB04	SB04	SB04
			Sample ID	14BVR-SB01-SS01	14BVR-SB01-SS01	14BVR-SB01-SU02	14BVR-SB01-SU02	14BVR-SB02-SS01	14BVR-SB02-SS01	14BVR-SB02-SU02	14BVR-SB02-SU02	14BVR-SB03-SS01	14BVR-SB03-SS01	14BVR-SB03-SU02	14BVR-SB03-SU02	14BVR-SB04-SS01	14BVR-SB04-SS01	14BVR-SB04-SS02	14BVR-SB04-SS02	14BVR-SB04-SU03	14BVR-SB04-SU03
			Lab Sample ID	14E187-01	14E190-01	14E187-02	14E190-02	14E187-03	14E190-03	14E187-04	14E190-04	14E187-05	14E190-05	14E187-06	14E190-06	14E187-09	14E190-09	14E187-10	14E190-10	14E187-11	14E190-11
			SDG	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190
			Collection Date	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/21/2014	5/21/2014	5/21/2014	5/21/2014	5/21/2014	5/21/2014
			Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Laboratory	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX
			QA/QC	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate	Duplicate	Primary	Primary
Method	Analyte	Units	ADEC Cleanup Level[1]																		
D2216	% Moisture	PERCENT	–	21.4	21.4	16.6	16.6	20.1	20.1	17.3	17.3	–	17.2	17.2	7.4	7.4	10.9	10.9	8.2	8.2	11.3
9060	Total Organic Carbon	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
AK101	GRO	mg/kg	300	ND [0.7]	–	ND [0.62]	–	ND [0.67]	–	1.1 [0.68] J	–	0.86 [0.51] J	–	ND [0.34]	–	ND [0.59]	–	ND [0.53]	–	ND [0.56]	–
AK102/103	DRO	mg/kg	250	–	ND [6.4]	–	ND [6]	–	72 [6.3]	–	**570 [6]**	–	140 [6]	–	18 [5.4]	–	18 [5.6]	–	30 [5.4]	–	27 [5.6]
AK102/103	RRO	mg/kg	10000	–	35 [6.4]	–	ND [6]	–	150 [6.3]	–	68 [6]	–	14 [6]	–	7.2 [5.4] J	–	83 [5.6] JD	–	13 [5.4] JD	–	41 [5.6]
6020A	Arsenic	mg/kg	3.9	–	**17.2 [0.127]**	–	**23.4 [0.118]**	–	**29 [0.122]**	–	**7.46 [0.119]**	–	**13.4 [0.117]**	–	**9.23 [0.106]**	–	**14.2 [0.112] JD**	–	**7.98 [0.107] JD**	–	**57.6 [0.112]**
6020A	Barium	mg/kg	1100	–	276 [0.127]	–	321 [0.118]	–	234 [0.122]	–	226 [0.119]	–	307 [0.586]	–	107 [0.106]	–	206 [0.112]	–	165 [0.107]	–	147 [0.112]
6020A	Cadmium	mg/kg	5	–	0.174 [0.127] J	–	0.269 [0.118] J	–	0.281 [0.122] J	–	0.257 [0.119] J	–	0.505 [0.586] J	–	0.426 [0.106] J	–	0.461 [0.112] J	–	0.498 [0.107] J	–	0.313 [0.112] J
6020A	Chromium	mg/kg	25	–	22.3 [0.127]	–	23.6 [0.118]	–	20.8 [0.122]	–	**27.4 [0.119]**	–	12.7 [0.117]	–	4.47 [0.106]	–	21.8 [0.112]	–	**26.6 [0.107]**	–	20.7 [0.112]
6020A	Lead	mg/kg	400	–	14.5 [0.127]	–	36.5 [0.118]	–	6.28 [0.122]	–	3.26 [0.119]	–	4.83 [0.586]	–	4.16 [0.106]	–	13.1 [0.112]	–	9.74 [0.107]	–	12.6 [0.112]
6020A	Selenium	mg/kg	3.4	–	0.204 [0.127] J	–	0.283 [0.118] J	–	0.319 [0.122] J	–	0.204 [0.119] J	–	0.343 [0.117] J	–	0.217 [0.106] J	–	0.169 [0.112] J	–	0.124 [0.107] J	–	0.169 [0.112] J
6020A	Silver	mg/kg	11.2	–	0.283 [0.127] J	–	0.951 [0.118]	–	0.164 [0.122] J	–	0.117 [0.119] J	–	0.188 [0.117] J	–	0.0903 [0.106] J	–	0.118 [0.112] J	–	0.0974 [0.107] J	–	0.238 [0.112] J
7471A	Mercury	mg/kg	1.4	–	ND [0.0254]	–	ND [0.024]	–	ND [0.025]	–	ND [0.0242]	–	0.0137 [0.0242] J	–	ND [0.0216]	–	0.014 [0.0224] J	–	ND [0.0218]	–	ND [0.0225]
8081B	4,4'-Ddd	mg/kg	7.2	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	4,4'-Dde	mg/kg	5.1	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Alpha-BHC	mg/kg	7.3	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Aldrin	mg/kg	0.07	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Beta-BHC	mg/kg	0.0064	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Delta-BHC	mg/kg	2.3	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Beta-BHC	mg/kg	0.022	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Delta-BHC	mg/kg		–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Dieldrin	mg/kg	0.0076	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Endosulfan I	mg/kg	–	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Endosulfan Ii	mg/kg	–	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Endosulfan Sulfate	mg/kg	–	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Endrin	mg/kg	0.29	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Endrin Aldehyde	mg/kg	–	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Endrin Ketone	mg/kg	–	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Gamma-BHC (Lindane)	mg/kg	0.0095	–	ND [0.00051]	–	0.00093 [0.00048] J	–	0.0021 [0.0005] J	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Gamma-Chlordane	mg/kg	2.3	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Heptachlor	mg/kg	0.28	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Heptachlor Epoxide	mg/kg	0.014	–	ND [0.00051]	–	ND [0.00048]	–	ND [0.0005]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00043]	–	ND [0.00045]	–	ND [0.00044]	–	ND [0.00045]
8081B	Methoxychlor	mg/kg	23	–	ND [0.0051]	–	ND [0.0048]	–	ND [0.005]	–	ND [0.0048]	–	ND [0.0048]	–	ND [0.0043]	–	ND [0.0045]	–	ND [0.0044]	–	ND [0.0045]
8081B	Toxaphene	mg/kg	3.9	–	ND [0.013]	–	ND [0.012]	–	ND [0.013]	–	ND [0.012]	–	ND [0.012]	–	ND [0.011]	–	ND [0.011]	–	ND [0.011]	–	ND [0.011]
8082A	PCB-1016 (Aroclor 1016)	mg/kg	1	–	ND [0.021]	–	ND [0.02]	–	ND [0.021]	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.019]
8082A	PCB-1221 (Aroclor 1221)	mg/kg	1	–	ND [0.021]	–	ND [0.02]	–	ND [0.021]	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.019]
8082A	PCB-1232 (Aroclor 1232)	mg/kg	1	–	ND [0.021]	–	ND [0.02]	–	ND [0.021]	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.019]
8082A	PCB-1242 (Aroclor 1242)	mg/kg	1	–	ND [0.021]	–	ND [0.02]	–	ND [0.021]	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.019]
8082A	PCB-1248 (Aroclor 1248)	mg/kg	1	–	ND [0.021]	–	ND [0.02]	–	ND [0.021]	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.019]
8082A	PCB-1254 (Aroclor 1254)	mg/kg	1	–	ND [0.021]	–	ND [0.02]	–	ND [0.021]	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.019]
8082A	PCB-1260 (Aroclor 1260)	mg/kg	1	–	ND [0.021]	–	ND [0.02]	–	ND [0.021]	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.019]
8260B	1,1,1,2-Tetrachloroethane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,1,1-Trichloroethane	mg/kg	0.82	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.017	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	750	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,1,2-Trichloroethane	mg/kg	0.018	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,1-Dichloroethane	mg/kg	25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,1-Dichloroethene	mg/kg	0.03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,1-Dichloropropene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2,3-Trichlorobenzene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2,3-Trichloropropane	mg/kg	0.00053	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2,4-Trichlorobenzene	mg/kg	0.85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2,4-Trimethylbenzene	mg/kg	23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2-Dibromo-3-Chloropropane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2-Dibromoethane	mg/kg	0.00016	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2-Dichlorobenzene	mg/kg	5.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2-Dichloroethane	mg/kg	0.016	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,2-Dichloropropane	mg/kg	0.018	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,3,5-Trimethylbenzene	mg/kg	23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,3-Dichlorobenzene	mg/kg	28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,3-Dichloropropane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	1,4-Dichlorobenzene	mg/kg	0.64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	2,2-Dichloropropane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	2-Butanone	mg/kg	59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	2-Chlorotoluene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	2-Hexanone	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	4-Chlorotoluene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	4-Isopropyltoluene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	4-Methyl-2-Pentanone	mg/kg	8.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Acetone	mg/kg	88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Benzene	mg/kg	0.025	*ND [0.07] E*	–	*ND [0.062] E*	–	*ND [0.067] E*	–	*ND [0.068] E*	–	*ND [0.051] JS-, E*	–	*ND [0.034] E*	–	*ND [0.059] E*	–	*ND [0.053] E*	–	*ND [0.056] E*	–
8260B	Bromobenzene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Bromochloromethane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Bromodichloromethane	mg/kg	0.044	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Bromoform	mg/kg	0.34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Bromomethane	mg/kg	0.16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Carbon Disulfide	mg/kg	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Carbon Tetrachloride	mg/kg	0.023	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Chlorobenzene	mg/kg	0.63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Chloroethane	mg/kg	23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Chloroform	mg/kg	0.46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Chloromethane	mg/kg	0.21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Cis-1,2-Dichloroethene	mg/kg	0.24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Cis-1,3-Dichloropropene	mg/kg	0.033	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Dibromochloromethane	mg/kg	0.032	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Dibromomethane	mg/kg	1.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Dichlorodifluoromethane	mg/kg	140	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Ethylbenzene	mg/kg	6.9	ND [0.07]	–	ND [0.062]	–	ND [0.067]	–	ND [0.068]	–	ND [0.051] JS-	–	ND [0.034]	–	ND [0.059]	–	ND [0.053]	–	ND [0.056]	–
8260B	Methylene Chloride	mg/kg	0.016	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Naphthalene	mg/kg	20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID	SB01	SB01	SB01	SB01	SB02	SB02	SB02	SB02	SB03	SB03	SB03	SB03	SB04	SB04	SB04	SB04	SB04	SB04
			Sample ID	14BVR-SB01-SS01	14BVR-SB01-SS01	14BVR-SB01-SU02	14BVR-SB01-SU02	14BVR-SB02-SS01	14BVR-SB02-SS01	14BVR-SB02-SU02	14BVR-SB02-SU02	14BVR-SB03-SS01	14BVR-SB03-SS01	14BVR-SB03-SU02	14BVR-SB03-SU02	14BVR-SB04-SS01	14BVR-SB04-SS01	14BVR-SB04-SS02	14BVR-SB04-SS02	14BVR-SB04-SU03	14BVR-SB04-SU03
			Lab Sample ID	14E187-01	14E190-01	14E187-02	14E190-02	14E187-03	14E190-03	14E187-04	14E190-04	14E187-05	14E190-05	14E187-06	14E190-06	14E187-09	14E190-09	14E187-10	14E190-10	14E187-11	14E190-11
			SDG	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190	14E187	14E190
			Collection Date	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/20/2014	5/21/2014	5/21/2014	5/21/2014	5/21/2014	5/21/2014	5/21/2014
			Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Laboratory	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX
			QA/QC	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate	Duplicate	Primary	Primary
Method	Analyte	Units	ADEC Cleanup Level[1]																		
8260B	N-Butylbenzene	mg/kg	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	N-Propylbenzene	mg/kg	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	O-Xylene	mg/kg	63	ND [0.07]	–	ND [0.062]	–	ND [0.067]	–	ND [0.068]	–	ND [0.051] JS-	–	ND [0.034]	–	ND [0.059]	–	ND [0.053]	–	ND [0.056]	–
8260B	Sec-Butylbenzene	mg/kg	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Styrene	mg/kg	0.96	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Tert-Butylbenzene	mg/kg	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Tetrachloroethene (PCE)	mg/kg	0.024	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Toluene	mg/kg	6.5	ND [0.07]	–	ND [0.062]	–	ND [0.067]	–	0.034 [0.068] J	–	ND [0.051] JS-	–	ND [0.034]	–	ND [0.059]	–	ND [0.053]	–	ND [0.056]	–
8260B	Trans-1,2-Dichloroethene	mg/kg	0.37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Trans-1,3-Dichloropropene	mg/kg	0.033	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Trichloroethene (TCE)	mg/kg	0.02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Trichlorofluoromethane	mg/kg	86	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Vinyl Chloride	mg/kg	0.0085	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8260B	Xylene, Isomers M & P	mg/kg	63	ND [0.35]	–	ND [0.31]	–	ND [0.33]	–	ND [0.34]	–	ND [0.26] JS-	–	ND [0.17]	–	ND [0.3]	–	ND [0.27]	–	ND [0.28]	–
8270D	1,2,4-Trichlorobenzene	mg/kg	0.85	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	1,2-Dichlorobenzene	mg/kg	5.1	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	1,3-Dichlorobenzene	mg/kg	28	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	1,4-Dichlorobenzene	mg/kg	0.64	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	1-Methylnaphthalene	mg/kg	6.2	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2,4,5-Trichlorophenol	mg/kg	67	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2,4,6-Trichlorophenol	mg/kg	1.4	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2,4-Dichlorophenol	mg/kg	1.3	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2,4-Dimethylphenol	mg/kg	8.8	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2,4-Dinitrophenol	mg/kg	0.54	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2,4-Dinitrotoluene	mg/kg	0.0093	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	2,6-Dinitrotoluene	mg/kg	0.0094	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	2-Chloronaphthalene	mg/kg	120	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2-Chlorophenol	mg/kg	1.5	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2-Methylnaphthalene	mg/kg	6.1	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2-Nitroaniline	mg/kg	–	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	2-Nitrophenol	mg/kg	–	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	3,3'-Dichlorobenzidine	mg/kg	0.19	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	3-Nitroaniline	mg/kg	–	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	4-Chloro-3-Methylphenol	mg/kg	–	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	4-Chloroaniline	mg/kg	0.057	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	4-Methylphenol	mg/kg	1.5	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	4-Nitroaniline	mg/kg	–	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	4-Nitrophenol	mg/kg	–	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Acenaphthene	mg/kg	180	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Acenaphthylene	mg/kg	180	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Anthracene	mg/kg	3000	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Benzo(A)Anthracene	mg/kg	3.6	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Benzo(A)Pyrene	mg/kg	0.49	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Benzo(B)Fluoranthene	mg/kg	4.9	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Benzo(G,H,I)Perylene	mg/kg	1400	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Benzo(K)Fluoranthene	mg/kg	49	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Benzoic Acid	mg/kg	410	–	ND [0.85]	–	ND [0.8]	–	ND [0.83]	–	ND [0.81]	–	ND [0.81]	–	ND [0.72]	–	ND [0.75]	–	ND [0.73]	–	ND [0.75]
8270D	Bis(2-Ethylhexyl)Phthalate	mg/kg	13	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Carbazole	mg/kg	6.5	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Chrysene	mg/kg	360	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Dibenzo(A,H)Anthracene	mg/kg	0.49	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Dibenzofuran	mg/kg	11	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Fluoranthene	mg/kg	1400	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Fluorene	mg/kg	220	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Hexachlorobenzene	mg/kg	0.047	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	Hexachlorobutadiene	mg/kg	0.12	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	Hexachlorocyclopentadiene	mg/kg	1.3	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Hexachloroethane	mg/kg	0.21	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Indeno(1,2,3-Cd)Pyrene	mg/kg	4.9	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Isophorone	mg/kg	3.1	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Naphthalene	mg/kg	20	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Nitrobenzene	mg/kg	0.094	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	N-Nitrosodimethylamine	mg/kg	0.000053	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	N-Nitroso-Di-N-Propylamine	mg/kg	0.0011	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	N-Nitrosodiphenylamine	mg/kg	15	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Pentachlorophenol	mg/kg	0.047	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.21] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.19] E*
8270D	Phenanthrene	mg/kg	3000	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Phenol	mg/kg	68	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]
8270D	Pyrene	mg/kg	1000	–	ND [0.21]	–	ND [0.2]	–	ND [0.21]	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.19]

[1] ADEC Cleanup Level from 18AAC 75 Table B1 Soil Cleanup Levels, Most Stringent 'Migration to Groundwater' and 'Under 40 Inch Zone'

[ ] = limit of detection

Bold = The result exceeds the ADEC Cleanup Level

Italic and E = The sample result was nondetect (ND) and the LOD was greater than the ADEC Cleanup level

J = The analyte was positively identified, and the associated result was less than the limit of quantitation but greater than or equal to the detection limit.

B = The analyte was detected in the trip blank above the detection limit, and the concentration in the sample did not exceed the blank concentration by a factor of 10.

JS- = The result is considered estimated and biased low because at least one surrogate failed recovery criteria for that sample. For Method SW8270, results were only qualified if two or more surrogates failed recovery criteria.

JD = The result was qualified as estimated because the RPD between the sample and the field duplicate sample exceeded 50 percent.

mg/kg = milligrams per kilogram

QA/QC = quality assurance / quality control

SDG = sample delivery group

SO = soil

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

Method	Analyte	Units	Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	ADEC Cleanup Level[1]	SB05 14BVR-SB05-SS01 14E187-12 14E187 5/21/2014 SO EMAX Primary	SB05 14BVR-SB05-SS01 14E190-12 14E190 5/21/2014 SO EMAX Primary	SB05 14BVR-SB05-SU02 14E187-13 14E187 5/21/2014 SO EMAX Primary	SB05 14BVR-SB05-SU02 14E190-13 14E190 5/21/2014 SO EMAX Primary	SB06 14BVR-B06SU-01 14E188-01 14E188 5/22/2014 SO EMAX Primary	SB06 14BVR-B06SU-02 14E188-02 14E188 5/22/2014 SO EMAX Primary	SB07 14BVR-B07SU-01 14E188-03 14E188 5/22/2014 SO EMAX Primary	SB07 14BVR-B07SU-02 14E188-04 14E188 5/22/2014 SO EMAX Primary	SB08 14BVR-SB08-SS01 14E187-07 14E187 5/21/2014 SO EMAX Primary	SB08 14BVR-SB08-SS01 14E190-07 14E190 5/21/2014 SO EMAX Primary	SB08 14BVR-SB08-SU02 14E187-08 14E187 5/21/2014 SO EMAX Primary	SB08 14BVR-SB08-SU02 14E190-08 14E190 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SS01 14E184-13 14E184 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SS01 14E189-13 14E189 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SU02 14E184-14 14E184 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SU02 14E189-14 14E189 5/21/2014 SO EMAX Primary	SB10 14BVR-SB10-SS01 14E186-03 14E186 5/22/2014 SO EMAX Primary	SB10 14BVR-SB10-SS01 14E191-03 14E191 5/22/2014 SO EMAX Primary
D2216	% Moisture	PERCENT	–	–	11.3	19.8	19.8	5.3	5.3	18.5	10.1	25.8	10.3	25.4	25.4	8.6	8.6	13.4	13.4	9.4	9.4	15.7
9060	Total Organic Carbon	mg/kg	–	–	–	–	–	–	58.1 [12.3]	47.6 [11.1]	57.5 [13.5]	18.8 [11.1] J	–	–	–	–	–	–	–	–	–	–
AK101	GRO	mg/kg	300	ND [0.76]	–	–	ND [0.53]	–	–	–	–	–	ND [0.82]	–	ND [0.52]	–	ND [0.53]	–	ND [0.51]	–	ND [0.58]	–
AK102/103	DRO	mg/kg	250	–	ND [6.2]	–	–	ND [5.3]	ND [6.1]	ND [5.6]	ND [6.7]	ND [5.6]	–	20 [6.7]	–	ND [5.5]	–	88 [5.8]	–	ND [5.5]	–	ND [5.9]
AK102/103	RRO	mg/kg	10000	–	25 [6.2]	–	–	ND [5.3]	–	–	–	–	–	23 [6.7]	–	ND [5.5]	–	1000 [5.8]	–	ND [5.5]	–	ND [5.9]
6020A	Arsenic	mg/kg	3.9	–	**250 [0.125]**	–	–	**87.9 [0.105]**	–	–	–	–	–	**11 [0.13]**	–	**63.9 [0.109]**	–	**36.8 [0.542]**	–	**23.8 [0.111]**	–	**14.2 [0.117]**
6020A	Barium	mg/kg	1100	–	98.9 [0.125]	–	–	47.7 [0.105]	–	–	–	–	–	238 [0.13]	–	81.4 [0.109]	–	336 [0.108]	–	430 [0.555]	–	277 [0.117]
6020A	Cadmium	mg/kg	5	–	0.396 [0.125] J	–	–	0.613 [0.105]	–	–	–	–	–	0.406 [0.13] J	–	0.491 [0.109] J	–	ND [0.542]	–	ND [0.555]	–	0.185 [0.117] J
6020A	Chromium	mg/kg	25	–	8.75 [0.125]	–	–	10.4 [0.105]	–	–	–	–	–	19.9 [0.13]	–	**32 [0.109]**	–	20.2 [0.542]	–	**25.6 [0.111]**	–	**32.1 [0.117]**
6020A	Lead	mg/kg	400	–	6.48 [0.125]	–	–	45.7 [0.105]	–	–	–	–	–	9.26 [0.13]	–	83 [0.109]	–	21.5 [0.108]	–	6.18 [0.111]	–	5.48 [0.117]
6020A	Selenium	mg/kg	3.4	–	0.493 [0.125] J	–	–	0.647 [0.105]	–	–	–	–	–	0.145 [0.13] J	–	0.19 [0.109] J	–	ND [0.542]	–	0.159 [0.111] J	–	0.151 [0.117] J
6020A	Silver	mg/kg	11.2	–	0.0884 [0.125] J	–	–	0.281 [0.105] J	–	–	–	–	–	0.211 [0.13] J	–	0.198 [0.109] J	–	0.211 [0.108] J	–	0.176 [0.111] J	–	0.0712 [0.117] J
7471A	Mercury	mg/kg	1.4	–	ND [0.0249]	–	–	0.0171 [0.0211] J	–	–	–	–	–	ND [0.0268]	–	0.0151 [0.0219] J	–	ND [0.0231]	–	ND [0.0221]	–	ND [0.0237]
8081B	4,4'-Ddd	mg/kg	7.2	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	4,4'-Dde	mg/kg	5.1	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Alpha-BHC	mg/kg	7.3	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Aldrin	mg/kg	0.07	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Beta-BHC	mg/kg	0.0064	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Delta-BHC	mg/kg	2.3	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Beta-BHC	mg/kg	0.022	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Delta-BHC	mg/kg	–	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Dieldrin	mg/kg	0.0076	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Endosulfan I	mg/kg	–	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Endosulfan Ii	mg/kg	–	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Endosulfan Sulfate	mg/kg	–	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Endrin	mg/kg	0.29	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Endrin Aldehyde	mg/kg	–	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Endrin Ketone	mg/kg	–	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Gamma-BHC (Lindane)	mg/kg	0.0095	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	0.0012 [0.00054] J	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Gamma-Chlordane	mg/kg	2.3	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Heptachlor	mg/kg	0.28	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Heptachlor Epoxide	mg/kg	0.014	–	ND [0.0005]	–	–	ND [0.00042]	–	–	–	–	–	ND [0.00054]	–	ND [0.00044]	–	ND [0.00092]	–	ND [0.00044]	–	ND [0.00047]
8081B	Methoxychlor	mg/kg	23	–	ND [0.005]	–	–	ND [0.0042]	–	–	–	–	–	ND [0.0054]	–	ND [0.0044]	–	ND [0.0092]	–	ND [0.0044]	–	ND [0.0047]
8081B	Toxaphene	mg/kg	3.9	–	ND [0.012]	–	–	ND [0.011]	–	–	–	–	–	ND [0.013]	–	ND [0.011]	–	ND [0.023]	–	ND [0.011]	–	ND [0.012]
8082A	PCB-1016 (Aroclor 1016)	mg/kg	1	–	ND [0.021]	–	–	ND [0.018]	–	–	–	–	–	ND [0.022]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.02]
8082A	PCB-1221 (Aroclor 1221)	mg/kg	1	–	ND [0.021]	–	–	ND [0.018]	–	–	–	–	–	ND [0.022]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.02]
8082A	PCB-1232 (Aroclor 1232)	mg/kg	1	–	ND [0.021]	–	–	ND [0.018]	–	–	–	–	–	ND [0.022]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.02]
8082A	PCB-1242 (Aroclor 1242)	mg/kg	1	–	ND [0.021]	–	–	ND [0.018]	–	–	–	–	–	ND [0.022]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.02]
8082A	PCB-1248 (Aroclor 1248)	mg/kg	1	–	ND [0.021]	–	–	ND [0.018]	–	–	–	–	–	ND [0.022]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.02]
8082A	PCB-1254 (Aroclor 1254)	mg/kg	1	–	ND [0.021]	–	–	ND [0.018]	–	–	–	–	–	ND [0.022]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.02]
8082A	PCB-1260 (Aroclor 1260)	mg/kg	1	–	ND [0.021]	–	–	ND [0.018]	–	–	–	–	–	ND [0.022]	–	ND [0.018]	–	ND [0.019]	–	ND [0.018]	–	ND [0.02]
8260B	1,1,1,2-Tetrachloroethane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	1,1,1-Trichloroethane	mg/kg	0.82	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.017	–	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	750	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	1,1,2-Trichloroethane	mg/kg	0.018	–	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	1,1-Dichloroethane	mg/kg	25	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	1,1-Dichloroethene	mg/kg	0.03	–	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	1,1-Dichloropropene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	1,2,3-Trichlorobenzene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	1,2,3-Trichloropropane	mg/kg	0.00053	–	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.11] E*	–	*ND [0.1] E*	–	*ND [0.12] E*	–
8260B	1,2,4-Trichlorobenzene	mg/kg	0.85	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	1,2,4-Trimethylbenzene	mg/kg	23	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	1,2-Dibromo-3-Chloropropane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	1,2-Dibromoethane	mg/kg	0.00016	–	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	1,2-Dichlorobenzene	mg/kg	5.1	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	1,2-Dichloroethane	mg/kg	0.016	–	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	1,2-Dichloropropane	mg/kg	0.018	–	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	1,3,5-Trimethylbenzene	mg/kg	23	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	1,3-Dichlorobenzene	mg/kg	28	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	1,3-Dichloropropane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	1,4-Dichlorobenzene	mg/kg	0.64	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	2,2-Dichloropropane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	2-Butanone	mg/kg	59	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.27]	–	ND [0.26]	–	ND [0.29]	–
8260B	2-Chlorotoluene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	2-Hexanone	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.27]	–	ND [0.26]	–	ND [0.29]	–
8260B	4-Chlorotoluene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	4-Isopropyltoluene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	4-Methyl-2-Pentanone	mg/kg	8.1	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.27]	–	ND [0.26]	–	ND [0.29]	–
8260B	Acetone	mg/kg	88	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.27]	–	ND [0.26]	–	ND [0.29]	–
8260B	Benzene	mg/kg	0.025	*ND [0.076] E*	–	*ND [0.053] E*	–	–	–	–	–	*ND [0.082] E*	–	*ND [0.052] E*	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	Bromobenzene	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Bromochloromethane	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Bromodichloromethane	mg/kg	0.044	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–	
8260B	Bromoform	mg/kg	0.34	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–	
8260B	Bromomethane	mg/kg	0.16	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–	
8260B	Carbon Disulfide	mg/kg	12	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Carbon Tetrachloride	mg/kg	0.023	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–	
8260B	Chlorobenzene	mg/kg	0.63	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Chloroethane	mg/kg	23	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–	
8260B	Chloroform	mg/kg	0.46	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Chloromethane	mg/kg	0.21	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–	
8260B	Cis-1,2-Dichloroethene	mg/kg	0.24	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Cis-1,3-Dichloropropene	mg/kg	0.033	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–	
8260B	Dibromochloromethane	mg/kg	0.032	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–	
8260B	Dibromomethane	mg/kg	1.1	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Dichlorodifluoromethane	mg/kg	140	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–	
8260B	Ethylbenzene	mg/kg	6.9	ND [0.076]	–	ND [0.053]	–	–	–	–	–	ND [0.082]	–	ND [0.052]	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–	
8260B	Methylene Chloride	mg/kg	0.016	–	–	–	–	–	–	–	–	–	–	–	–	**0.12 [0.11] J, B**	–	**0.1 [0.1] J, B**	–	*ND [0.12] E*	–	
8260B	Naphthalene	mg/kg	20	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–	

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB05 14BVR-SB05-SS01 14E187-12 14E187 5/21/2014 SO EMAX Primary	SB05 14BVR-SB05-SS01 14E190-12 14E190 5/21/2014 SO EMAX Primary	SB05 14BVR-SB05-SU02 14E187-13 14E187 5/21/2014 SO EMAX Primary	SB05 14BVR-SB05-SU02 14E190-13 14E190 5/21/2014 SO EMAX Primary	SB06 14BVR-B06SU-01 14E188-01 14E188 5/22/2014 SO EMAX Primary	SB06 14BVR-B06SU-02 14E188-02 14E188 5/22/2014 SO EMAX Primary	SB07 14BVR-B07SU-01 14E188-03 14E188 5/22/2014 SO EMAX Primary	SB07 14BVR-B07SU-02 14E188-04 14E188 5/22/2014 SO EMAX Primary	SB08 14BVR-SB08-SS01 14E187-07 14E187 5/21/2014 SO EMAX Primary	SB08 14BVR-SB08-SS01 14E190-07 14E190 5/21/2014 SO EMAX Primary	SB08 14BVR-SB08-SU02 14E187-08 14E187 5/21/2014 SO EMAX Primary	SB08 14BVR-SB08-SU02 14E190-08 14E190 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SS01 14E184-13 14E184 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SS01 14E189-13 14E189 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SU02 14E184-14 14E184 5/21/2014 SO EMAX Primary	SB09 14BVR-SB09-SU02 14E189-14 14E189 5/21/2014 SO EMAX Primary	SB10 14BVR-SB10-SS01 14E186-03 14E186 5/22/2014 SO EMAX Primary	SB10 14BVR-SB10-SS01 14E191-03 14E191 5/22/2014 SO EMAX Primary
Method	Analyte	Units	ADEC Cleanup Level[1]																				
8260B	N-Butylbenzene	mg/kg	15	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	N-Propylbenzene	mg/kg	15	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	O-Xylene	mg/kg	63	ND [0.076]	–	ND [0.053]	–	–	–	–	–	ND [0.082]	–	ND [0.052]	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	Sec-Butylbenzene	mg/kg	12	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	Styrene	mg/kg	0.96	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	Tert-Butylbenzene	mg/kg	12	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	Tetrachloroethene (PCE)	mg/kg	0.024	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	Toluene	mg/kg	6.5	ND [0.076]	–	ND [0.053]	–	–	–	–	–	ND [0.082]	–	ND [0.052]	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	Trans-1,2-Dichloroethene	mg/kg	0.37	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.053]	–	ND [0.051]	–	ND [0.058]	–
8260B	Trans-1,3-Dichloropropene	mg/kg	0.033	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	Trichloroethene (TCE)	mg/kg	0.02	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.053] E*	–	*ND [0.051] E*	–	*ND [0.058] E*	–
8260B	Trichlorofluoromethane	mg/kg	86	–	–	–	–	–	–	–	–	–	–	–	–	ND [0.11]	–	ND [0.1]	–	ND [0.12]	–
8260B	Vinyl Chloride	mg/kg	0.0085	–	–	–	–	–	–	–	–	–	–	–	–	*ND [0.11] E*	–	*ND [0.1] E*	–	*ND [0.12] E*	–
8260B	Xylene, Isomers M & P	mg/kg	63	ND [0.38]	–	ND [0.27]	–	–	–	–	–	ND [0.41]	–	ND [0.26]	–	ND [0.27]	–	ND [0.26]	–	ND [0.29]	–
8270D	1,2,4-Trichlorobenzene	mg/kg	0.85	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	1,2-Dichlorobenzene	mg/kg	5.1	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	1,3-Dichlorobenzene	mg/kg	28	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	1,4-Dichlorobenzene	mg/kg	0.64	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	1-Methylnaphthalene	mg/kg	6.2	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2,4,5-Trichlorophenol	mg/kg	67	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2,4,6-Trichlorophenol	mg/kg	1.4	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2,4-Dichlorophenol	mg/kg	1.3	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2,4-Dimethylphenol	mg/kg	8.8	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2,4-Dinitrophenol	mg/kg	0.54	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2,4-Dinitrotoluene	mg/kg	0.0093	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	2,6-Dinitrotoluene	mg/kg	0.0094	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	2-Chloronaphthalene	mg/kg	120	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2-Chlorophenol	mg/kg	1.5	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2-Methylnaphthalene	mg/kg	6.1	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2-Nitroaniline	mg/kg	–	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	2-Nitrophenol	mg/kg	–	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	3,3'-Dichlorobenzidine	mg/kg	0.19	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	3-Nitroaniline	mg/kg	–	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	4-Chloro-3-Methylphenol	mg/kg	–	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	4-Chloroaniline	mg/kg	0.057	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	4-Methylphenol	mg/kg	1.5	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	4-Nitroaniline	mg/kg	–	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	4-Nitrophenol	mg/kg	–	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Acenaphthene	mg/kg	180	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Acenaphthylene	mg/kg	180	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Anthracene	mg/kg	3000	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Benzo(A)Anthracene	mg/kg	3.6	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Benzo(A)Pyrene	mg/kg	0.49	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Benzo(B)Fluoranthene	mg/kg	4.9	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Benzo(G,H,I)Perylene	mg/kg	1400	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Benzo(K)Fluoranthene	mg/kg	49	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Benzoic Acid	mg/kg	410	–	ND [0.83]	–	ND [0.7]	–	–	–	–	–	ND [0.89]	–	ND [0.73]	–	ND [0.77]	–	ND [0.74]	–	ND [0.79]
8270D	Bis(2-Ethylhexyl)Phthalate	mg/kg	13	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Carbazole	mg/kg	6.5	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Chrysene	mg/kg	360	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Dibenzo(A,H)Anthracene	mg/kg	0.49	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Dibenzofuran	mg/kg	11	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Fluoranthene	mg/kg	1400	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Fluorene	mg/kg	220	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Hexachlorobenzene	mg/kg	0.047	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	Hexachlorobutadiene	mg/kg	0.12	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	Hexachlorocyclopentadiene	mg/kg	1.3	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Hexachloroethane	mg/kg	0.21	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	*ND [0.22] E*	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Indeno(1,2,3-Cd)Pyrene	mg/kg	4.9	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Isophorone	mg/kg	3.1	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Naphthalene	mg/kg	20	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Nitrobenzene	mg/kg	0.094	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	N-Nitrosodimethylamine	mg/kg	0.000053	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	N-Nitroso-Di-N-Propylamine	mg/kg	0.0011	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	N-Nitrosodiphenylamine	mg/kg	15	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Pentachlorophenol	mg/kg	0.047	–	*ND [0.21] E*	–	*ND [0.18] E*	–	–	–	–	–	*ND [0.22] E*	–	*ND [0.18] E*	–	*ND [0.19] E*	–	*ND [0.18] E*	–	*ND [0.2] E*
8270D	Phenanthrene	mg/kg	3000	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Phenol	mg/kg	68	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]
8270D	Pyrene	mg/kg	1000	–	ND [0.21]	–	ND [0.18]	–	–	–	–	–	ND [0.22]	–	ND [0.18]	–	ND [0.19]	–	ND [0.18]	–	ND [0.2]

[1] ADEC Cleanup Level from 18AAC 75 Table B1 Soil Cleanup Levels, Most Stringent 'Migration to Groundwater' and 'Under 40 Inch Zone'

[ ] = limit of detection

Bold = The result exceeds the ADEC Cleanup Level

Italic and E = The sample result was nondetect (ND) and the LOD was greater than the ADEC Cleanup level

J = The analyte was positively identified, and the associated result was less than the limit of quantitation but greater than or equal to the detection limit.

B = The analyte was detected in the trip blank above the detection limit, and the concentration in the sample did not exceed the blank concentration by a factor of 10.

JS- = The result is considered estimated and biased low because at least one surrogate failed recovery criteria for that sample. For Method SW8270, results were only qualified if two or more surrogates failed recovery criteria.

JD = The result was qualified as estimated because the RPD between the sample and the field duplicate sample exceeded 50 percent.

mg/kg = milligrams per kilogram

QA/QC = quality assurance / quality control

SDG = sample delivery group

SO = soil

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB10 14BVR-SB10-SU02 14E186-04 14E186 5/22/2014 SO EMAX Primary	SB10 14BVR-SB10-SU02 14E191-04 14E191 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SS01 14E186-05 14E186 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SS01 14E191-05 14E191 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SU02 14E186-06 14E186 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SU02 14E191-06 14E191 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SS01 14E186-01 14E186 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SS01 14E191-01 14E191 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SU02 14E186-02 14E186 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SU02 14E191-02 14E191 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SS01 14E186-07 14E186 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SS01 14E191-07 14E191 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SU02 14E186-08 14E186 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SU02 14E191-08 14E191 5/22/2014 SO EMAX Primary	SB14 14BVR-SB14-SS01 14E184-11 14E184 5/21/2014 SO EMAX Primary	SB14 14BVR-SB14-SS01 14E189-11 14E189 5/21/2014 SO EMAX Primary	SB14 14BVR-SB14-SU02 14E184-12 14E184 5/21/2014 SO EMAX Primary	SB14 14BVR-SB14-SU02 14E189-12 14E189 5/21/2014 SO EMAX Primary
Method	Analyte	Units	ADEC Cleanup Level[1]																				
D2216	% Moisture	PERCENT	–	15.7	7.6	7.6	17.5	17.5	16.8	16.8	14	14	13.7	13.7	11.3	11.3	3.2	3.2	6	6	1.8
9060	Total Organic Carbon	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
AK101	GRO	mg/kg	300	ND [0.49]	–	ND [0.64]	–	ND [0.59]	–	ND [0.59]	–	ND [0.59]	–	ND [0.57]	–	ND [0.34]	–	1.9 [0.44]	–	1.9 [0.5]	–
AK102/103	DRO	mg/kg	250	–	ND [5.4]	–	ND [6.1]	–	ND [6]	–	ND [5.8]	–	ND [5.8]	–	ND [5.6]	–	ND [5.2]	–	**980 [5.3]**	–	**440 [5.1]**
AK102/103	RRO	mg/kg	10000	–	ND [5.4]	–	ND [6.1]	–	ND [6]	–	ND [5.8]	–	ND [5.8]	–	55 [5.6]	–	ND [5.2]	–	150 [5.3]	–	ND [5.1]
6020A	Arsenic	mg/kg	3.9	–	**380 [0.108]**	–	**19.4 [0.12]**	–	**28.2 [0.12]**	–	**21.6 [0.116]**	–	**40.1 [0.114]**	–	**32 [0.111]**	–	**43.3 [0.103]**	–	**5.3 [0.105]**	–	1.89 [0.101]
6020A	Barium	mg/kg	1100	–	205 [0.108]	–	341 [0.12]	–	394 [0.12]	–	380 [0.116]	–	941 [0.114]	–	384 [0.111]	–	956 [0.103]	–	**1150 [0.105]**	–	813 [0.101]
6020A	Cadmium	mg/kg	5	–	0.468 [0.108] J	–	0.313 [0.12] J	–	0.391 [0.12] J	–	0.29 [0.116] J	–	0.26 [0.114] J	–	0.478 [0.111] J	–	0.171 [0.103] J	–	0.244 [0.105] J	–	0.118 [0.101] J
6020A	Chromium	mg/kg	25	–	9.7 [0.108]	–	**25.7 [0.12]**	–	**26.9 [0.12]**	–	20.2 [0.116]	–	**27.3 [0.114]**	–	21.8 [0.111]	–	**26.5 [0.103]**	–	**48.7 [0.105]**	–	**36 [0.101]**
6020A	Lead	mg/kg	400	–	19.6 [0.108]	–	9.04 [0.12]	–	11.7 [0.12]	–	23.5 [0.116]	–	2.29 [0.114]	–	60.5 [0.111]	–	5.66 [0.103]	–	79.7 [0.105]	–	5.02 [0.101]
6020A	Selenium	mg/kg	3.4	–	0.214 [0.108] J	–	0.19 [0.12] J	–	0.208 [0.12] J	–	0.188 [0.116] J	–	0.13 [0.114] J	–	0.302 [0.111] J	–	0.153 [0.103] J	–	0.265 [0.105] J	–	0.0894 [0.101] J
6020A	Silver	mg/kg	11.2	–	0.256 [0.108] J	–	0.192 [0.12] J	–	0.197 [0.12] J	–	0.14 [0.116] J	–	0.149 [0.114] J	–	0.385 [0.111] J	–	0.133 [0.103] J	–	0.284 [0.105] J	–	0.157 [0.101] J
7471A	Mercury	mg/kg	1.4	–	0.0197 [0.0216] J	–	ND [0.0242]	–	0.0256 [0.024] J	–	ND [0.0233]	–	ND [0.0232]	–	0.0284 [0.0225] J	–	ND [0.0207]	–	0.017 [0.0213] J	–	ND [0.0204]
8081B	4,4'-Ddd	mg/kg	7.2	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	4,4'-Dde	mg/kg	5.1	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Alpha-BHC	mg/kg	7.3	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Aldrin	mg/kg	0.07	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Beta-BHC	mg/kg	0.0064	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Delta-BHC	mg/kg	2.3	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Beta-BHC	mg/kg	0.022	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Delta-BHC	mg/kg		–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Dieldrin	mg/kg	0.0076	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Endosulfan I	mg/kg	–	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Endosulfan Ii	mg/kg	–	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Endosulfan Sulfate	mg/kg	–	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Endrin	mg/kg	0.29	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Endrin Aldehyde	mg/kg	–	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Endrin Ketone	mg/kg	–	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Gamma-BHC (Lindane)	mg/kg	0.0095	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Gamma-Chlordane	mg/kg	2.3	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Heptachlor	mg/kg	0.28	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Heptachlor Epoxide	mg/kg	0.014	–	ND [0.00043]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00047]	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00041]
8081B	Methoxychlor	mg/kg	23	–	ND [0.0043]	–	ND [0.0048]	–	ND [0.0048]	–	ND [0.0047]	–	ND [0.0046]	–	ND [0.0045]	–	ND [0.0041]	–	ND [0.0043]	–	ND [0.0041]
8081B	Toxaphene	mg/kg	3.9	–	ND [0.011]	–	ND [0.012]	–	ND [0.012]	–	ND [0.012]	–	ND [0.012]	–	ND [0.011]	–	ND [0.01]	–	ND [0.011]	–	ND [0.01]
8082A	PCB-1016 (Aroclor 1016)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.017]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1221 (Aroclor 1221)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.017]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1232 (Aroclor 1232)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.017]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1242 (Aroclor 1242)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.017]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1248 (Aroclor 1248)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.017]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1254 (Aroclor 1254)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.017]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1260 (Aroclor 1260)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.017]	–	ND [0.018]	–	ND [0.017]
8260B	1,1,1,2-Tetrachloroethane	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	1,1,1-Trichloroethane	mg/kg	0.82	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.017	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	750	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	1,1,2-Trichloroethane	mg/kg	0.018	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	1,1-Dichloroethane	mg/kg	25	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	1,1-Dichloroethene	mg/kg	0.03	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	1,1-Dichloropropene	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	1,2,3-Trichlorobenzene	mg/kg	–	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	1,2,3-Trichloropropane	mg/kg	0.00053	*ND [0.098] E*	–	*ND [0.13] E*	–	*ND [0.12] E*	–	*ND [0.12] E*	–	*ND [0.12] E*	–	*ND [0.11] E*	–	*ND [0.068] E*	–	–	–	–	–
8260B	1,2,4-Trichlorobenzene	mg/kg	0.85	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	1,2,4-Trimethylbenzene	mg/kg	23	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	1,2-Dibromo-3-Chloropropane	mg/kg	–	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	1,2-Dibromoethane	mg/kg	0.00016	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	1,2-Dichlorobenzene	mg/kg	5.1	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	1,2-Dichloroethane	mg/kg	0.016	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	1,2-Dichloropropane	mg/kg	0.018	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	1,3,5-Trimethylbenzene	mg/kg	23	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	1,3-Dichlorobenzene	mg/kg	28	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	1,3-Dichloropropane	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	1,4-Dichlorobenzene	mg/kg	0.64	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	2,2-Dichloropropane	mg/kg	–	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	2-Butanone	mg/kg	59	ND [0.25]	–	ND [0.32]	–	ND [0.3]	–	ND [0.3]	–	ND [0.3]	–	ND [0.28]	–	ND [0.17]	–	–	–	–	–
8260B	2-Chlorotoluene	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	2-Hexanone	mg/kg	–	ND [0.25]	–	ND [0.32]	–	ND [0.3]	–	ND [0.3]	–	ND [0.3]	–	ND [0.28]	–	ND [0.17]	–	–	–	–	–
8260B	4-Chlorotoluene	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	4-Isopropyltoluene	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	4-Methyl-2-Pentanone	mg/kg	8.1	ND [0.25]	–	ND [0.32]	–	ND [0.3]	–	ND [0.3]	–	ND [0.3]	–	ND [0.28]	–	ND [0.17]	–	–	–	–	–
8260B	Acetone	mg/kg	88	ND [0.25]	–	ND [0.32]	–	ND [0.3]	–	ND [0.3]	–	ND [0.3]	–	ND [0.28]	–	ND [0.17]	–	–	–	–	–
8260B	Benzene	mg/kg	0.025	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	*ND [0.044] E*	–	*ND [0.05] E*	–
8260B	Bromobenzene	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Bromochloromethane	mg/kg	–	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Bromodichloromethane	mg/kg	0.044	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	ND [0.034]	–	–	–	–	–
8260B	Bromoform	mg/kg	0.34	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	Bromomethane	mg/kg	0.16	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	Carbon Disulfide	mg/kg	12	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Carbon Tetrachloride	mg/kg	0.023	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	Chlorobenzene	mg/kg	0.63	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Chloroethane	mg/kg	23	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	Chloroform	mg/kg	0.46	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Chloromethane	mg/kg	0.21	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	Cis-1,2-Dichloroethene	mg/kg	0.24	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Cis-1,3-Dichloropropene	mg/kg	0.033	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	Dibromochloromethane	mg/kg	0.032	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	Dibromomethane	mg/kg	1.1	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Dichlorodifluoromethane	mg/kg	140	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	Ethylbenzene	mg/kg	6.9	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	ND [0.044]	–	ND [0.05]	–
8260B	Methylene Chloride	mg/kg	0.016	*ND [0.098] E*	–	*ND [0.13] E*	–	*ND [0.12] E*	–	**0.069 [0.12] J**	–	*ND [0.12] E*	–	**0.064 [0.11] J**	–	**0.038 [0.068] J**	–	–	–	–	–
8260B	Naphthalene	mg/kg	20	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB10 14BVR-SB10-SU02 14E186-04 14E186 5/22/2014 SO EMAX Primary	SB10 14BVR-SB10-SU02 14E191-04 14E191 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SS01 14E186-05 14E186 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SS01 14E191-05 14E191 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SU02 14E186-06 14E186 5/22/2014 SO EMAX Primary	SB11 14BVR-SB11-SU02 14E191-06 14E191 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SS01 14E186-01 14E186 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SS01 14E191-01 14E191 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SU02 14E186-02 14E186 5/22/2014 SO EMAX Primary	SB12 14BVR-SB12-SU02 14E191-02 14E191 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SS01 14E186-07 14E186 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SS01 14E191-07 14E191 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SU02 14E186-08 14E186 5/22/2014 SO EMAX Primary	SB13 14BVR-SB13-SU02 14E191-08 14E191 5/22/2014 SO EMAX Primary	SB14 14BVR-SB14-SS01 14E184-11 14E184 5/21/2014 SO EMAX Primary	SB14 14BVR-SB14-SS01 14E189-11 14E189 5/21/2014 SO EMAX Primary	SB14 14BVR-SB14-SU02 14E184-12 14E184 5/21/2014 SO EMAX Primary	SB14 14BVR-SB14-SU02 14E189-12 14E189 5/21/2014 SO EMAX Primary
Method	Analyte	Units	ADEC Cleanup Level[1]																				
8260B	N-Butylbenzene	mg/kg	15	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	N-Propylbenzene	mg/kg	15	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	O-Xylene	mg/kg	63	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	ND [0.044]	–	ND [0.05]	–
8260B	Sec-Butylbenzene	mg/kg	12	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Styrene	mg/kg	0.96	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Tert-Butylbenzene	mg/kg	12	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Tetrachloroethene (PCE)	mg/kg	0.024	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	Toluene	mg/kg	6.5	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	ND [0.044]	–	ND [0.05]	–
8260B	Trans-1,2-Dichloroethene	mg/kg	0.37	ND [0.049]	–	ND [0.064]	–	ND [0.06]	–	ND [0.059]	–	ND [0.059]	–	ND [0.057]	–	ND [0.034]	–	–	–	–	–
8260B	Trans-1,3-Dichloropropene	mg/kg	0.033	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	Trichloroethene (TCE)	mg/kg	0.02	*ND [0.049] E*	–	*ND [0.064] E*	–	*ND [0.06] E*	–	*ND [0.059] E*	–	*ND [0.059] E*	–	*ND [0.057] E*	–	*ND [0.034] E*	–	–	–	–	–
8260B	Trichlorofluoromethane	mg/kg	86	ND [0.098]	–	ND [0.13]	–	ND [0.12]	–	ND [0.12]	–	ND [0.12]	–	ND [0.11]	–	ND [0.068]	–	–	–	–	–
8260B	Vinyl Chloride	mg/kg	0.0085	*ND [0.098] E*	–	*ND [0.13] E*	–	*ND [0.12] E*	–	*ND [0.12] E*	–	*ND [0.12] E*	–	*ND [0.11] E*	–	*ND [0.068] E*	–	–	–	–	–
8260B	Xylene, Isomers M & P	mg/kg	63	ND [0.25]	–	ND [0.32]	–	ND [0.3]	–	ND [0.3]	–	ND [0.3]	–	ND [0.28]	–	ND [0.17]	–	ND [0.22]	–	ND [0.25]	–
8270D	1,2,4-Trichlorobenzene	mg/kg	0.85	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	1,2-Dichlorobenzene	mg/kg	5.1	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	1,3-Dichlorobenzene	mg/kg	28	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	1,4-Dichlorobenzene	mg/kg	0.64	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	1-Methylnaphthalene	mg/kg	6.2	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2,4,5-Trichlorophenol	mg/kg	67	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2,4,6-Trichlorophenol	mg/kg	1.4	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dichlorophenol	mg/kg	1.3	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dimethylphenol	mg/kg	8.8	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dinitrophenol	mg/kg	0.54	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dinitrotoluene	mg/kg	0.0093	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	2,6-Dinitrotoluene	mg/kg	0.0094	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	2-Chloronaphthalene	mg/kg	120	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2-Chlorophenol	mg/kg	1.5	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2-Methylnaphthalene	mg/kg	6.1	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	2-Nitrophenol	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	3,3'-Dichlorobenzidine	mg/kg	0.19	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	3-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	4-Chloro-3-Methylphenol	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	4-Chloroaniline	mg/kg	0.057	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	4-Methylphenol	mg/kg	1.5	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	4-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	4-Nitrophenol	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Acenaphthene	mg/kg	180	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Acenaphthylene	mg/kg	180	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Anthracene	mg/kg	3000	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(A)Anthracene	mg/kg	3.6	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(A)Pyrene	mg/kg	0.49	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(B)Fluoranthene	mg/kg	4.9	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(G,H,I)Perylene	mg/kg	1400	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(K)Fluoranthene	mg/kg	49	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Benzoic Acid	mg/kg	410	–	ND [0.72]	–	ND [0.81]	–	ND [0.8]	–	ND [0.78]	–	ND [0.77]	–	ND [0.75]	–	ND [0.69]	–	ND [0.71]	–	ND [0.68]
8270D	Bis(2-Ethylhexyl)Phthalate	mg/kg	13	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Carbazole	mg/kg	6.5	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Chrysene	mg/kg	360	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Dibenzo(A,H)Anthracene	mg/kg	0.49	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Dibenzofuran	mg/kg	11	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Fluoranthene	mg/kg	1400	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Fluorene	mg/kg	220	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Hexachlorobenzene	mg/kg	0.047	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	Hexachlorobutadiene	mg/kg	0.12	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	Hexachlorocyclopentadiene	mg/kg	1.3	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Hexachloroethane	mg/kg	0.21	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Indeno(1,2,3-Cd)Pyrene	mg/kg	4.9	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Isophorone	mg/kg	3.1	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Naphthalene	mg/kg	20	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Nitrobenzene	mg/kg	0.094	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	N-Nitrosodimethylamine	mg/kg	0.000053	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	N-Nitroso-Di-N-Propylamine	mg/kg	0.0011	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	N-Nitrosodiphenylamine	mg/kg	15	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Pentachlorophenol	mg/kg	0.047	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	Phenanthrene	mg/kg	3000	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Phenol	mg/kg	68	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]
8270D	Pyrene	mg/kg	1000	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.17]	–	ND [0.18]	–	ND [0.17]

[1] ADEC Cleanup Level from 18AAC 75 Table B1 Soil Cleanup Levels, Most Stringent 'Migration to Groundwater' and 'Under 40 Inch Zone'

[ ] = limit of detection

Bold = The result exceeds the ADEC Cleanup Level

Italic and E = The sample result was nondetect (ND) and the LOD was greater than the ADEC Cleanup level

J = The analyte was positively identified, and the associated result was less than the limit of quantitation but greater than or equal to the detection limit.

B = The analyte was detected in the trip blank above the detection limit, and the concentration in the sample did not exceed the blank concentration by a factor of 10.

JS- = The result is considered estimated and biased low because at least one surrogate failed recovery criteria for that sample. For Method SW8270, results were only qualified if two or more surrogates failed recovery criteria.

JD = The result was qualified as estimated because the RPD between the sample and the field duplicate sample exceeded 50 percent.

mg/kg = milligrams per kilogram

QA/QC = quality assurance / quality control

SDG = sample delivery group

SO = soil

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

Method	Analyte	Units	Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC ADEC Cleanup Level[1]	SB15 14BVR-SB15-SS01 14E184-03 14E184 5/21/2014 SO EMAX Primary	SB15 14BVR-SB15-SS01 14E189-03 14E189 5/21/2014 SO EMAX Primary	SB15 14BVR-SB15-SS02 14E184-04 14E184 5/21/2014 SO EMAX Duplicate	SB15 14BVR-SB15-SS02 14E189-04 14E189 5/21/2014 SO EMAX Duplicate	SB15 14BVR-SB15-SU03 14E184-05 14E184 5/21/2014 SO EMAX Primary	SB15 14BVR-SB15-SU03 14E189-05 14E189 5/21/2014 SO EMAX Primary	SB16 14BVR-SB16-SS01 14E186-09 14E186 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SS01 14E191-09 14E191 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SU02 14E186-10 14E186 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SU02 14E191-10 14E191 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SU03 14E186-11 14E186 5/22/2014 SO EMAX Duplicate	SB16 14BVR-SB16-SU03 14E191-11 14E191 5/22/2014 SO EMAX Duplicate	SB18 14BVR-SB18-SS01 14E186-16 14E186 5/22/2014 SO EMAX Primary	SB18 14BVR-SB18-SS01 14E191-16 14E191 5/22/2014 SO EMAX Primary	SB19 14BVR-SB19-SS01 14E184-01 14E184 5/21/2014 SO EMAX Primary	SB19 14BVR-SB19-SS01 14E189-01 14E189 5/21/2014 SO EMAX Primary	SB19 14BVR-SB19-SU02 14E184-02 14E184 5/21/2014 SO EMAX Primary	SB19 14BVR-SB19-SU02 14E189-02 14E189 5/21/2014 SO EMAX Primary
D2216	% Moisture	PERCENT	–	1.8	15.7	15.7	15.1	15.1	8	8	3.5	3.5	2	2	1.9	1.9	6.8	6.8	4.7	4.7	2.6
9060	Total Organic Carbon	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
AK101	GRO	mg/kg	300	ND [0.6]	–	ND [0.62]	–	ND [0.6]	–	ND [0.34]	–	ND [0.34]	–	ND [0.31]	–	0.68 [0.33]	–	ND [0.51]	–	ND [0.51]	–
AK102/103	DRO	mg/kg	250	–	ND [5.9]	–	ND [5.9]	–	ND [5.4]	–	7.6 [5.2] J	–	ND [5.1]	–	ND [5.1]	–	180 [5.4]	–	ND [5.2]	–	ND [5.1]
AK102/103	RRO	mg/kg	10000	–	ND [5.9]	–	ND [5.9]	–	ND [5.4]	–	ND [5.2]	–	ND [5.1]	–	ND [5.1]	–	590 [5.4]	–	ND [5.2]	–	ND [5.1]
6020A	Arsenic	mg/kg	3.9	–	**6.82 [0.12]**	–	**8.3 [0.119]**	–	**5.02 [0.101]**	–	**35.8 [0.104]**	–	**19.7 [0.102]**	–	**21 [0.102]**	–	**149 [0.107]**	–	**12.9 [0.103]**	–	**11.5 [0.103]**
6020A	Barium	mg/kg	1100	–	197 [0.12]	–	205 [0.119]	–	**1330 [0.505]**	–	422 [0.104]	–	768 [0.102]	–	855 [0.102]	–	494 [0.107]	–	416 [0.103]	–	359 [0.103]
6020A	Cadmium	mg/kg	5	–	0.123 [0.12] J	–	0.138 [0.119] J	–	ND [0.505]	–	0.223 [0.104] J	–	0.219 [0.102] J	–	0.192 [0.102] J	–	0.925 [0.107]	–	0.169 [0.103] J	–	0.167 [0.103] J
6020A	Chromium	mg/kg	25	–	18 [0.12]	–	18.2 [0.119]	–	**35 [0.505]**	–	12.7 [0.104]	–	15.4 [0.102]	–	15.2 [0.102]	–	18.7 [0.107]	–	**37.1 [0.103]**	–	18.6 [0.103]
6020A	Lead	mg/kg	400	–	3.35 [0.12]	–	3.65 [0.119]	–	3.09 [0.505]	–	28 [0.104]	–	6.67 [0.102]	–	6.51 [0.102]	–	139 [0.107]	–	24.4 [0.103]	–	5.44 [0.103]
6020A	Selenium	mg/kg	3.4	–	0.12 [0.12] J	–	0.118 [0.119] J	–	0.167 [0.101] J	–	0.251 [0.104] J	–	0.155 [0.102] J	–	0.146 [0.102] J	–	1.04 [0.107]	–	0.124 [0.103] J	–	0.131 [0.103] J
6020A	Silver	mg/kg	11.2	–	0.134 [0.12] J	–	0.125 [0.119] J	–	0.0982 [0.101] J	–	0.248 [0.104] J	–	0.268 [0.102] J	–	0.181 [0.102] J	–	0.78 [0.107]	–	0.98 [0.103]	–	0.17 [0.103] J
7471A	Mercury	mg/kg	1.4	–	ND [0.0237]	–	ND [0.0236]	–	0.0197 [0.0217] J	–	ND [0.0207]	–	ND [0.0204]	–	ND [0.0204]	–	0.0424 [0.0215] J	–	0.017 [0.021] J	–	ND [0.0205]
8081B	4,4'-Ddd	mg/kg	7.2	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	4,4'-Dde	mg/kg	5.1	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Alpha-BHC	mg/kg	7.3	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	0.0031 [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Aldrin	mg/kg	0.07	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Beta-BHC	mg/kg	0.0064	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Delta-BHC	mg/kg	2.3	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Beta-BHC	mg/kg	0.022	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Delta-BHC	mg/kg		–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Dieldrin	mg/kg	0.0076	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	0.00044 [0.00043] J	–	ND [0.00042]	–	ND [0.00041]
8081B	Endosulfan I	mg/kg	–	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Endosulfan Ii	mg/kg	–	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Endosulfan Sulfate	mg/kg	–	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Endrin	mg/kg	0.29	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Endrin Aldehyde	mg/kg	–	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Endrin Ketone	mg/kg	–	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Gamma-BHC (Lindane)	mg/kg	0.0095	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Gamma-Chlordane	mg/kg	2.3	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Heptachlor	mg/kg	0.28	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Heptachlor Epoxide	mg/kg	0.014	–	ND [0.00047]	–	ND [0.00047]	–	ND [0.00043]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00041]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.00041]
8081B	Methoxychlor	mg/kg	23	–	ND [0.0047]	–	ND [0.0047]	–	ND [0.0043]	–	ND [0.0041]	–	ND [0.0041]	–	ND [0.0041]	–	ND [0.0043]	–	ND [0.0042]	–	ND [0.0041]
8081B	Toxaphene	mg/kg	3.9	–	ND [0.012]	–	ND [0.012]	–	ND [0.011]	–	ND [0.01]	–	ND [0.01]	–	ND [0.01]	–	ND [0.011]	–	ND [0.01]	–	ND [0.01]
8082A	PCB-1016 (Aroclor 1016)	mg/kg	1	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.017]	–	ND [0.017]	–	ND [0.017]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1221 (Aroclor 1221)	mg/kg	1	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.017]	–	ND [0.017]	–	ND [0.017]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1232 (Aroclor 1232)	mg/kg	1	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.017]	–	ND [0.017]	–	ND [0.017]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1242 (Aroclor 1242)	mg/kg	1	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.017]	–	ND [0.017]	–	ND [0.017]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1248 (Aroclor 1248)	mg/kg	1	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.017]	–	ND [0.017]	–	ND [0.017]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]
8082A	PCB-1254 (Aroclor 1254)	mg/kg	1	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.017]	–	ND [0.017]	–	ND [0.017]	–	ND [0.018]	–	ND [0.018]	–	0.019 [0.017] J
8082A	PCB-1260 (Aroclor 1260)	mg/kg	1	–	ND [0.02]	–	ND [0.02]	–	ND [0.018]	–	ND [0.017]	–	ND [0.017]	–	ND [0.017]	–	0.025 [0.018] J	–	ND [0.018]	–	0.022 [0.017] J
8260B	1,1,1,2-Tetrachloroethane	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	1,1,1-Trichloroethane	mg/kg	0.82	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.017	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	750	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	1,1,2-Trichloroethane	mg/kg	0.018	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	1,1-Dichloroethane	mg/kg	25	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	1,1-Dichloroethene	mg/kg	0.03	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	1,1-Dichloropropene	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	1,2,3-Trichlorobenzene	mg/kg	–	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	1,2,3-Trichloropropane	mg/kg	0.00053	–	–	–	–	–	–	*ND [0.067] E*	–	*ND [0.068] E*	–	*ND [0.061] E*	–	*ND [0.065] E*	–	*ND [0.1] E*	–	*ND [0.1] E*	–
8260B	1,2,4-Trichlorobenzene	mg/kg	0.85	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	1,2,4-Trimethylbenzene	mg/kg	23	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	1,2-Dibromo-3-Chloropropane	mg/kg	–	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	1,2-Dibromoethane	mg/kg	0.00016	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	1,2-Dichlorobenzene	mg/kg	5.1	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	1,2-Dichloroethane	mg/kg	0.016	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	1,2-Dichloropropane	mg/kg	0.018	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	1,3,5-Trimethylbenzene	mg/kg	23	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	1,3-Dichlorobenzene	mg/kg	28	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	1,3-Dichloropropane	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	1,4-Dichlorobenzene	mg/kg	0.64	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	2,2-Dichloropropane	mg/kg	–	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	2-Butanone	mg/kg	59	–	–	–	–	–	–	ND [0.17]	–	ND [0.17]	–	ND [0.15]	–	ND [0.16]	–	ND [0.26]	–	ND [0.26]	–
8260B	2-Chlorotoluene	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	2-Hexanone	mg/kg	–	–	–	–	–	–	–	ND [0.17]	–	ND [0.17]	–	ND [0.15]	–	ND [0.16]	–	ND [0.26]	–	ND [0.26]	–
8260B	4-Chlorotoluene	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	4-Isopropyltoluene	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	4-Methyl-2-Pentanone	mg/kg	8.1	–	–	–	–	–	–	ND [0.17]	–	ND [0.17]	–	ND [0.15]	–	ND [0.16]	–	ND [0.26]	–	ND [0.26]	–
8260B	Acetone	mg/kg	88	–	–	–	–	–	–	ND [0.17]	–	ND [0.17]	–	ND [0.15]	–	0.19 [0.16] J	–	ND [0.26]	–	ND [0.26]	–
8260B	Benzene	mg/kg	0.025	*ND [0.06] E*	–	*ND [0.062] E*	–	*ND [0.06] E*	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Bromobenzene	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Bromochloromethane	mg/kg	–	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Bromodichloromethane	mg/kg	0.044	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Bromoform	mg/kg	0.34	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	Bromomethane	mg/kg	0.16	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	Carbon Disulfide	mg/kg	12	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Carbon Tetrachloride	mg/kg	0.023	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Chlorobenzene	mg/kg	0.63	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Chloroethane	mg/kg	23	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	Chloroform	mg/kg	0.46	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Chloromethane	mg/kg	0.21	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	Cis-1,2-Dichloroethene	mg/kg	0.24	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Cis-1,3-Dichloropropene	mg/kg	0.033	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Dibromochloromethane	mg/kg	0.032	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Dibromomethane	mg/kg	1.1	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Dichlorodifluoromethane	mg/kg	140	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	Ethylbenzene	mg/kg	6.9	ND [0.06]	–	ND [0.062]	–	ND [0.06]	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Methylene Chloride	mg/kg	0.016	–	–	–	–	–	–	*ND [0.067] E*	–	*ND [0.068] E*	–	*ND [0.061] E*	–	*ND [0.065] E*	–	**0.084 [0.1] J, B**	–	**0.1 [0.1] J, B**	–
8260B	Naphthalene	mg/kg	20	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB15 14BVR-SB15-SS01 14E184-03 14E184 5/21/2014 SO EMAX Primary	SB15 14BVR-SB15-SS01 14E189-03 14E189 5/21/2014 SO EMAX Primary	SB15 14BVR-SB15-SS02 14E184-04 14E184 5/21/2014 SO EMAX Duplicate	SB15 14BVR-SB15-SS02 14E189-04 14E189 5/21/2014 SO EMAX Duplicate	SB15 14BVR-SB15-SU03 14E184-05 14E184 5/21/2014 SO EMAX Primary	SB15 14BVR-SB15-SU03 14E189-05 14E189 5/21/2014 SO EMAX Primary	SB16 14BVR-SB16-SS01 14E186-09 14E186 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SS01 14E191-09 14E191 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SU02 14E186-10 14E186 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SU02 14E191-10 14E191 5/22/2014 SO EMAX Primary	SB16 14BVR-SB16-SU03 14E186-11 14E186 5/22/2014 SO EMAX Duplicate	SB16 14BVR-SB16-SU03 14E191-11 14E191 5/22/2014 SO EMAX Duplicate	SB18 14BVR-SB18-SS01 14E186-16 14E186 5/22/2014 SO EMAX Primary	SB18 14BVR-SB18-SS01 14E191-16 14E191 5/22/2014 SO EMAX Primary	SB19 14BVR-SB19-SS01 14E184-01 14E184 5/21/2014 SO EMAX Primary	SB19 14BVR-SB19-SS01 14E189-01 14E189 5/21/2014 SO EMAX Primary	SB19 14BVR-SB19-SU02 14E184-02 14E184 5/21/2014 SO EMAX Primary	SB19 14BVR-SB19-SU02 14E189-02 14E189 5/21/2014 SO EMAX Primary
Method	Analyte	Units	ADEC Cleanup Level[1]																				
8260B	N-Butylbenzene	mg/kg	15	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	N-Propylbenzene	mg/kg	15	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	O-Xylene	mg/kg	63	ND [0.06]	–	ND [0.062]	–	ND [0.06]	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	0.025 [0.033] J	–	ND [0.051]	–	ND [0.051]	–
8260B	Sec-Butylbenzene	mg/kg	12	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Styrene	mg/kg	0.96	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Tert-Butylbenzene	mg/kg	12	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Tetrachloroethene (PCE)	mg/kg	0.024	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Toluene	mg/kg	6.5	ND [0.06]	–	ND [0.062]	–	ND [0.06]	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Trans-1,2-Dichloroethene	mg/kg	0.37	–	–	–	–	–	–	ND [0.034]	–	ND [0.034]	–	ND [0.031]	–	ND [0.033]	–	ND [0.051]	–	ND [0.051]	–
8260B	Trans-1,3-Dichloropropene	mg/kg	0.033	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	ND [0.031]	–	ND [0.033]	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Trichloroethene (TCE)	mg/kg	0.02	–	–	–	–	–	–	*ND [0.034] E*	–	*ND [0.034] E*	–	*ND [0.031] E*	–	*ND [0.033] E*	–	*ND [0.051] E*	–	*ND [0.051] E*	–
8260B	Trichlorofluoromethane	mg/kg	86	–	–	–	–	–	–	ND [0.067]	–	ND [0.068]	–	ND [0.061]	–	ND [0.065]	–	ND [0.1]	–	ND [0.1]	–
8260B	Vinyl Chloride	mg/kg	0.0085	–	–	–	–	–	–	*ND [0.067] E*	–	*ND [0.068] E*	–	*ND [0.061] E*	–	*ND [0.065] E*	–	*ND [0.1] E*	–	*ND [0.1] E*	–
8260B	Xylene, Isomers M & P	mg/kg	63	ND [0.3]	–	ND [0.31]	–	ND [0.3]	–	ND [0.17]	–	ND [0.17]	–	ND [0.15]	–	0.063 [0.16] J	–	ND [0.26]	–	ND [0.26]	–
8270D	1,2,4-Trichlorobenzene	mg/kg	0.85	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	1,2-Dichlorobenzene	mg/kg	5.1	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	1,3-Dichlorobenzene	mg/kg	28	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	1,4-Dichlorobenzene	mg/kg	0.64	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	1-Methylnaphthalene	mg/kg	6.2	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2,4,5-Trichlorophenol	mg/kg	67	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2,4,6-Trichlorophenol	mg/kg	1.4	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dichlorophenol	mg/kg	1.3	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dimethylphenol	mg/kg	8.8	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dinitrophenol	mg/kg	0.54	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2,4-Dinitrotoluene	mg/kg	0.0093	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	2,6-Dinitrotoluene	mg/kg	0.0094	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	2-Chloronaphthalene	mg/kg	120	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2-Chlorophenol	mg/kg	1.5	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2-Methylnaphthalene	mg/kg	6.1	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2-Nitroaniline	mg/kg	–	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	2-Nitrophenol	mg/kg	–	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	3,3'-Dichlorobenzidine	mg/kg	0.19	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	3-Nitroaniline	mg/kg	–	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	4-Chloro-3-Methylphenol	mg/kg	–	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	4-Chloroaniline	mg/kg	0.057	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	4-Methylphenol	mg/kg	1.5	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	4-Nitroaniline	mg/kg	–	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	4-Nitrophenol	mg/kg	–	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Acenaphthene	mg/kg	180	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Acenaphthylene	mg/kg	180	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Anthracene	mg/kg	3000	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(A)Anthracene	mg/kg	3.6	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(A)Pyrene	mg/kg	0.49	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(B)Fluoranthene	mg/kg	4.9	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(G,H,I)Perylene	mg/kg	1400	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Benzo(K)Fluoranthene	mg/kg	49	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Benzoic Acid	mg/kg	410	–	ND [0.79]	–	ND [0.79]	–	ND [0.72]	–	ND [0.69]	–	ND [0.68]	–	ND [0.68]	–	ND [0.72]	–	ND [0.7]	–	ND [0.68]
8270D	Bis(2-Ethylhexyl)Phthalate	mg/kg	13	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Carbazole	mg/kg	6.5	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Chrysene	mg/kg	360	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Dibenzo(A,H)Anthracene	mg/kg	0.49	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Dibenzofuran	mg/kg	11	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Fluoranthene	mg/kg	1400	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Fluorene	mg/kg	220	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Hexachlorobenzene	mg/kg	0.047	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	Hexachlorobutadiene	mg/kg	0.12	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	Hexachlorocyclopentadiene	mg/kg	1.3	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Hexachloroethane	mg/kg	0.21	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Indeno(1,2,3-Cd)Pyrene	mg/kg	4.9	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Isophorone	mg/kg	3.1	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Naphthalene	mg/kg	20	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Nitrobenzene	mg/kg	0.094	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	N-Nitrosodimethylamine	mg/kg	0.000053	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	N-Nitroso-Di-N-Propylamine	mg/kg	0.0011	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	N-Nitrosodiphenylamine	mg/kg	15	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Pentachlorophenol	mg/kg	0.047	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*
8270D	Phenanthrene	mg/kg	3000	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Phenol	mg/kg	68	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]
8270D	Pyrene	mg/kg	1000	–	ND [0.2]	–	ND [0.2]	–	ND [0.18]	–	ND [0.17]	–	ND [0.17]	–	ND [0.17]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]

[1] ADEC Cleanup Level from 18AAC 75 Table B1 Soil Cleanup Levels, Most Stringent 'Migration to Groundwater' and 'Under 40 Inch Zone'

[ ] = limit of detection

Bold = The result exceeds the ADEC Cleanup Level

Italic and E = The sample result was nondetect (ND) and the LOD was greater than the ADEC Cleanup level

J = The analyte was positively identified, and the associated result was less than the limit of quantitation but greater than or equal to the detection limit.

B = The analyte was detected in the trip blank above the detection limit, and the concentration in the sample did not exceed the blank concentration by a factor of 10.

JS- = The result is considered estimated and biased low because at least one surrogate failed recovery criteria for that sample. For Method SW8270, results were only qualified if two or more surrogates failed recovery criteria.

JD = The result was qualified as estimated because the RPD between the sample and the field duplicate sample exceeded 50 percent.

mg/kg = milligrams per kilogram

QA/QC = quality assurance / quality control

SDG = sample delivery group

SO = soil

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

Method	Analyte	Units	Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC ADEC Cleanup Level[1]	SB20 14BVR-SB20-SS01 14E187-18 14E187 5/21/2014 SO EMAX Primary	SB20 14BVR-SB20-SS01 14E190-18 14E190 5/21/2014 SO EMAX Primary	SB20 14BVR-SB20-SU02 14E187-19 14E187 5/21/2014 SO EMAX Primary	SB20 14BVR-SB20-SU02 14E190-19 14E190 5/21/2014 SO EMAX Primary	SB23 14BVR-B23SU-01 14E188-07 14E188 5/22/2014 SO EMAX Primary	SB23 14BVR-B23SU-02 14E188-08 14E188 5/22/2014 SO EMAX Primary	SB25 14BVR-SB25-SS01 14E184-15 14E184 5/22/2014 SO EMAX Primary	SB25 14BVR-SB25-SS01 14E189-15 14E189 5/22/2014 SO EMAX Primary	SB25 14BVR-SB25-SU02 14E184-16 14E184 5/22/2014 SO EMAX Primary	SB25 14BVR-SB25-SU02 14E189-16 14E189 5/22/2014 SO EMAX Primary	SB26 14BVR-SB26-SS01 14E184-17 14E184 5/22/2014 SO EMAX Primary	SB26 14BVR-SB26-SS01 14E189-17 14E189 5/22/2014 SO EMAX Primary	SB26 14BVR-SB26-SU02 14E184-18 14E184 5/22/2014 SO EMAX Primary	SB26 14BVR-SB26-SU02 14E189-18 14E189 5/22/2014 SO EMAX Primary	SB26 14BVR-SB26-SU03 14E184-19 14E184 5/22/2014 SO EMAX Duplicate	SB26 14BVR-SB26-SU03 14E189-19 14E189 5/22/2014 SO EMAX Duplicate	SB27 14BVR-SB27-SS01 14E187-14 14E187 5/21/2014 SO EMAX Primary	SB27 14BVR-SB27-SS01 14E190-14 14E190 5/21/2014 SO EMAX Primary
D2216	% Moisture	PERCENT	–	2.6	4	4	4.5	4.5	11.9	10.6	13.5	13.5	10.4	10.4	12.6	12.6	17	17	16.3	11.3	11.3
9060	Total Organic Carbon	mg/kg	–	–	–	–	–	24.6 [11.4]	33.2 [11.2]	–	–	–	–	–	–	–	–	–	–	–	–
AK101	GRO	mg/kg	300	ND [0.5]	–	ND [0.44]	–	–	–	ND [0.62]	–	ND [0.56]	–	ND [0.55]	–	ND [0.61]	–	ND [0.66]	–	ND [0.55]	–
AK102/103	DRO	mg/kg	250	–	ND [5.2]	–	ND [5.2]	ND [5.7]	14 [5.6]	–	ND [5.8]	–	ND [5.6]	–	ND [5.7]	–	ND [6]	–	ND [6]	–	ND [5.6]
AK102/103	RRO	mg/kg	10000	–	ND [5.2]	–	ND [5.2]	–	–	–	ND [5.8]	–	ND [5.6]	–	8.2 [5.7] J	–	ND [6]	–	ND [6]	–	ND [5.6]
6020A	Arsenic	mg/kg	3.9	–	**27 [0.102]**	–	**17.4 [0.104]**	–	–	–	**46 [0.113]**	–	**26.7 [0.531]**	–	**54.3 [0.109]**	–	**12.7 [0.115]**	–	**15.8 [0.119]**	–	**14 [0.11]**
6020A	Barium	mg/kg	1100	–	272 [0.102]	–	508 [0.104]	–	–	–	408 [0.566]	–	905 [0.531]	–	336 [0.109]	–	257 [0.115]	–	273 [0.119]	–	347 [0.11]
6020A	Cadmium	mg/kg	5	–	0.288 [0.102] J	–	2.45 [0.104]	–	–	–	0.277 [0.113] J	–	0.277 [0.106] J	–	0.393 [0.109] J	–	0.262 [0.115] J	–	0.311 [0.119] J	–	0.245 [0.11] J
6020A	Chromium	mg/kg	25	–	17.3 [0.102]	–	17.8 [0.104]	–	–	–	**25.1 [0.566]**	–	22.9 [0.106]	–	**65.1 [0.109]**	–	**27 [0.115]**	–	**25.1 [0.119]**	–	18.9 [0.11]
6020A	Lead	mg/kg	400	–	11.1 [0.102]	–	84 [0.104]	–	–	–	34.5 [0.113]	–	4.77 [0.531]	–	40 [0.109]	–	8.25 [0.115]	–	7.75 [0.119]	–	7.85 [0.11]
6020A	Selenium	mg/kg	3.4	–	0.229 [0.102] J	–	0.249 [0.104] J	–	–	–	0.224 [0.113] J	–	ND [0.531]	–	0.394 [0.109] J	–	0.215 [0.115] J	–	0.201 [0.119] J	–	0.196 [0.11] J
6020A	Silver	mg/kg	11.2	–	0.165 [0.102] J	–	0.788 [0.104]	–	–	–	0.259 [0.113] J	–	ND [0.531]	–	0.226 [0.109] J	–	0.246 [0.115] J	–	0.211 [0.119] J	–	0.0999 [0.11] J
7471A	Mercury	mg/kg	1.4	–	ND [0.0208]	–	0.0185 [0.0209] J	–	–	–	0.0187 [0.0231] J	–	0.0238 [0.0223] J	–	0.021 [0.0229] J	–	0.0122 [0.0241] J, JD	–	ND [0.0239] JD	–	0.0182 [0.0225] J
8081B	4,4'-Ddd	mg/kg	7.2	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	4,4'-Dde	mg/kg	5.1	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Alpha-BHC	mg/kg	7.3	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Aldrin	mg/kg	0.07	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Beta-BHC	mg/kg	0.0064	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	0.00039 [0.00045] J
8081B	Delta-BHC	mg/kg	2.3	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Beta-BHC	mg/kg	0.022	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Delta-BHC	mg/kg	–	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Dieldrin	mg/kg	0.0076	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Endosulfan I	mg/kg	–	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Endosulfan Ii	mg/kg	–	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Endosulfan Sulfate	mg/kg	–	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Endrin	mg/kg	0.29	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Endrin Aldehyde	mg/kg	–	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Endrin Ketone	mg/kg	–	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Gamma-BHC (Lindane)	mg/kg	0.0095	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Gamma-Chlordane	mg/kg	2.3	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Heptachlor	mg/kg	0.28	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Heptachlor Epoxide	mg/kg	0.014	–	ND [0.00042]	–	ND [0.00042]	–	–	–	ND [0.00046]	–	ND [0.00045]	–	ND [0.00046]	–	ND [0.00048]	–	ND [0.00048]	–	ND [0.00045]
8081B	Methoxychlor	mg/kg	23	–	ND [0.0042]	–	ND [0.0042]	–	–	–	ND [0.0046]	–	ND [0.0045]	–	ND [0.0046]	–	ND [0.0048]	–	ND [0.0048]	–	ND [0.0045]
8081B	Toxaphene	mg/kg	3.9	–	ND [0.01]	–	ND [0.01]	–	–	–	ND [0.012]	–	ND [0.011]	–	ND [0.011]	–	ND [0.012]	–	ND [0.012]	–	ND [0.011]
8082A	PCB-1016 (Aroclor 1016)	mg/kg	1	–	ND [0.017]	–	ND [0.017]	–	–	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]
8082A	PCB-1221 (Aroclor 1221)	mg/kg	1	–	ND [0.017]	–	ND [0.017]	–	–	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]
8082A	PCB-1232 (Aroclor 1232)	mg/kg	1	–	ND [0.017]	–	ND [0.017]	–	–	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]
8082A	PCB-1242 (Aroclor 1242)	mg/kg	1	–	ND [0.017]	–	ND [0.017]	–	–	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]
8082A	PCB-1248 (Aroclor 1248)	mg/kg	1	–	ND [0.017]	–	ND [0.017]	–	–	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]
8082A	PCB-1254 (Aroclor 1254)	mg/kg	1	–	ND [0.017]	–	ND [0.017]	–	–	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]
8082A	PCB-1260 (Aroclor 1260)	mg/kg	1	–	ND [0.017]	–	ND [0.017]	–	–	–	ND [0.019]	–	ND [0.019]	–	ND [0.019]	–	ND [0.02]	–	ND [0.02]	–	ND [0.019]
8260B	1,1,1,2-Tetrachloroethane	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	1,1,1-Trichloroethane	mg/kg	0.82	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.017	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	750	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	1,1,2-Trichloroethane	mg/kg	0.018	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	1,1-Dichloroethane	mg/kg	25	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	1,1-Dichloroethene	mg/kg	0.03	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	1,1-Dichloropropene	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	1,2,3-Trichlorobenzene	mg/kg	–	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	1,2,3-Trichloropropane	mg/kg	0.00053	*ND [0.099] E*	–	*ND [0.087] E*	–	–	–	*ND [0.12] E*	–	*ND [0.11] E*	–	*ND [0.11] E*	–	*ND [0.12] E*	–	*ND [0.13] E*	–	*ND [0.11] E*	–
8260B	1,2,4-Trichlorobenzene	mg/kg	0.85	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	1,2,4-Trimethylbenzene	mg/kg	23	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	1,2-Dibromo-3-Chloropropane	mg/kg	–	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	1,2-Dibromoethane	mg/kg	0.00016	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	1,2-Dichlorobenzene	mg/kg	5.1	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	1,2-Dichloroethane	mg/kg	0.016	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	1,2-Dichloropropane	mg/kg	0.018	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	1,3,5-Trimethylbenzene	mg/kg	23	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	1,3-Dichlorobenzene	mg/kg	28	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	1,3-Dichloropropane	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	1,4-Dichlorobenzene	mg/kg	0.64	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	2,2-Dichloropropane	mg/kg	–	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	2-Butanone	mg/kg	59	ND [0.25]	–	ND [0.22]	–	–	–	ND [0.31]	–	ND [0.28]	–	ND [0.28]	–	ND [0.3]	–	ND [0.33]	–	ND [0.28]	–
8260B	2-Chlorotoluene	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	2-Hexanone	mg/kg	–	ND [0.25]	–	ND [0.22]	–	–	–	ND [0.31]	–	ND [0.28]	–	ND [0.28]	–	ND [0.3]	–	ND [0.33]	–	ND [0.28]	–
8260B	4-Chlorotoluene	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	4-Isopropyltoluene	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	4-Methyl-2-Pentanone	mg/kg	8.1	ND [0.25]	–	ND [0.22]	–	–	–	ND [0.31]	–	ND [0.28]	–	ND [0.28]	–	ND [0.3]	–	ND [0.33]	–	ND [0.28]	–
8260B	Acetone	mg/kg	88	ND [0.25]	–	ND [0.22]	–	–	–	ND [0.31]	–	ND [0.28]	–	ND [0.28]	–	ND [0.3]	–	ND [0.33]	–	ND [0.28]	–
8260B	Benzene	mg/kg	0.025	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Bromobenzene	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Bromochloromethane	mg/kg	–	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Bromodichloromethane	mg/kg	0.044	*ND [0.05] E*	–	ND [0.044]	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Bromoform	mg/kg	0.34	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	Bromomethane	mg/kg	0.16	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	Carbon Disulfide	mg/kg	12	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Carbon Tetrachloride	mg/kg	0.023	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Chlorobenzene	mg/kg	0.63	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Chloroethane	mg/kg	23	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	Chloroform	mg/kg	0.46	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Chloromethane	mg/kg	0.21	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	Cis-1,2-Dichloroethene	mg/kg	0.24	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Cis-1,3-Dichloropropene	mg/kg	0.033	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Dibromochloromethane	mg/kg	0.032	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Dibromomethane	mg/kg	1.1	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Dichlorodifluoromethane	mg/kg	140	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	Ethylbenzene	mg/kg	6.9	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Methylene Chloride	mg/kg	0.016	*ND [0.099] E*	–	*ND [0.087] E*	–	–	–	**0.13 [0.12] J, B**	–	**0.13 [0.11] J, B**	–	**0.11 [0.11] J, B**	–	**0.079 [0.12] J, B**	–	**0.079 [0.13] J, B**	–	**0.056 [0.11] J, B**	–
8260B	Naphthalene	mg/kg	20	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID	SB20	SB20	SB20	SB20	SB23	SB23	SB25	SB25	SB25	SB25	SB26	SB26	SB26	SB26	SB26	SB26	SB27	SB27
			Sample ID	14BVR-SB20-SS01	14BVR-SB20-SS01	14BVR-SB20-SU02	14BVR-SB20-SU02	14BVR-B23SU-01	14BVR-B23SU-02	14BVR-SB25-SS01	14BVR-SB25-SS01	14BVR-SB25-SU02	14BVR-SB25-SU02	14BVR-SB26-SS01	14BVR-SB26-SS01	14BVR-SB26-SU02	14BVR-SB26-SU02	14BVR-SB26-SU03	14BVR-SB26-SU03	14BVR-SB27-SS01	14BVR-SB27-SS01
			Lab Sample ID	14E187-18	14E190-18	14E187-19	14E190-19	14E188-07	14E188-08	14E184-15	14E189-15	14E184-16	14E189-16	14E184-17	14E189-17	14E184-18	14E189-18	14E184-19	14E189-19	14E187-14	14E190-14
			SDG	14E187	14E190	14E187	14E190	14E188	14E188	14E184	14E189	14E184	14E189	14E184	14E189	14E184	14E189	14E184	14E189	14E187	14E190
			Collection Date	5/21/2014	5/21/2014	5/21/2014	5/21/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/22/2014	5/21/2014	5/21/2014
			Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Laboratory	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX	EMAX
			QA/QC	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate	Duplicate	Primary	Primary
Method	Analyte	Units	ADEC Cleanup Level[1]																		
8260B	N-Butylbenzene	mg/kg	15	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	N-Propylbenzene	mg/kg	15	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	O-Xylene	mg/kg	63	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Sec-Butylbenzene	mg/kg	12	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Styrene	mg/kg	0.96	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Tert-Butylbenzene	mg/kg	12	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Tetrachloroethene (PCE)	mg/kg	0.024	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Toluene	mg/kg	6.5	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Trans-1,2-Dichloroethene	mg/kg	0.37	ND [0.05]	–	ND [0.044]	–	–	–	ND [0.062]	–	ND [0.056]	–	ND [0.055]	–	ND [0.061]	–	ND [0.066]	–	ND [0.055]	–
8260B	Trans-1,3-Dichloropropene	mg/kg	0.033	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Trichloroethene (TCE)	mg/kg	0.02	*ND [0.05] E*	–	*ND [0.044] E*	–	–	–	*ND [0.062] E*	–	*ND [0.056] E*	–	*ND [0.055] E*	–	*ND [0.061] E*	–	*ND [0.066] E*	–	*ND [0.055] E*	–
8260B	Trichlorofluoromethane	mg/kg	86	ND [0.099]	–	ND [0.087]	–	–	–	ND [0.12]	–	ND [0.11]	–	ND [0.11]	–	ND [0.12]	–	ND [0.13]	–	ND [0.11]	–
8260B	Vinyl Chloride	mg/kg	0.0085	*ND [0.099] E*	–	*ND [0.087] E*	–	–	–	*ND [0.12] E*	–	*ND [0.11] E*	–	*ND [0.11] E*	–	*ND [0.12] E*	–	*ND [0.13] E*	–	*ND [0.11] E*	–
8260B	Xylene, Isomers M & P	mg/kg	63	ND [0.25]	–	ND [0.22]	–	–	–	ND [0.31]	–	ND [0.28]	–	ND [0.28]	–	ND [0.3]	–	ND [0.33]	–	ND [0.28]	–
8270D	1,2,4-Trichlorobenzene	mg/kg	0.85	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	1,2-Dichlorobenzene	mg/kg	5.1	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	1,3-Dichlorobenzene	mg/kg	28	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	1,4-Dichlorobenzene	mg/kg	0.64	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	1-Methylnaphthalene	mg/kg	6.2	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2,4,5-Trichlorophenol	mg/kg	67	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2,4,6-Trichlorophenol	mg/kg	1.4	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2,4-Dichlorophenol	mg/kg	1.3	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2,4-Dimethylphenol	mg/kg	8.8	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2,4-Dinitrophenol	mg/kg	0.54	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2,4-Dinitrotoluene	mg/kg	0.0093	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	2,6-Dinitrotoluene	mg/kg	0.0094	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	2-Chloronaphthalene	mg/kg	120	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2-Chlorophenol	mg/kg	1.5	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2-Methylnaphthalene	mg/kg	6.1	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2-Nitroaniline	mg/kg	–	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	2-Nitrophenol	mg/kg	–	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	3,3'-Dichlorobenzidine	mg/kg	0.19	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	3-Nitroaniline	mg/kg	–	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	4-Chloro-3-Methylphenol	mg/kg	–	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	4-Chloroaniline	mg/kg	0.057	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	4-Methylphenol	mg/kg	1.5	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	4-Nitroaniline	mg/kg	–	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	4-Nitrophenol	mg/kg	–	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Acenaphthene	mg/kg	180	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Acenaphthylene	mg/kg	180	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Anthracene	mg/kg	3000	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Benzo(A)Anthracene	mg/kg	3.6	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Benzo(A)Pyrene	mg/kg	0.49	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Benzo(B)Fluoranthene	mg/kg	4.9	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Benzo(G,H,I)Perylene	mg/kg	1400	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Benzo(K)Fluoranthene	mg/kg	49	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Benzoic Acid	mg/kg	410	–	ND [0.69]	–	ND [0.7]	–	–	–	ND [0.77]	–	ND [0.74]	–	ND [0.76]	–	ND [0.8]	–	ND [0.8]	–	ND [0.75]
8270D	Bis(2-Ethylhexyl)Phthalate	mg/kg	13	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Carbazole	mg/kg	6.5	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Chrysene	mg/kg	360	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Dibenzo(A,H)Anthracene	mg/kg	0.49	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Dibenzofuran	mg/kg	11	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Fluoranthene	mg/kg	1400	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Fluorene	mg/kg	220	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Hexachlorobenzene	mg/kg	0.047	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	Hexachlorobutadiene	mg/kg	0.12	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	Hexachlorocyclopentadiene	mg/kg	1.3	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Hexachloroethane	mg/kg	0.21	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Indeno(1,2,3-Cd)Pyrene	mg/kg	4.9	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Isophorone	mg/kg	3.1	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Naphthalene	mg/kg	20	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Nitrobenzene	mg/kg	0.094	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	N-Nitrosodimethylamine	mg/kg	0.000053	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	N-Nitroso-Di-N-Propylamine	mg/kg	0.0011	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	N-Nitrosodiphenylamine	mg/kg	15	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Pentachlorophenol	mg/kg	0.047	–	*ND [0.17] E*	–	*ND [0.17] E*	–	–	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.19] E*	–	*ND [0.2] E*	–	*ND [0.2] E*	–	*ND [0.19] E*
8270D	Phenanthrene	mg/kg	3000	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Phenol	mg/kg	68	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]
8270D	Pyrene	mg/kg	1000	–	ND [0.17]	–	ND [0.17]	–	–	–	ND [0.19]	–	ND [0.19]	–	ND [0.19]	–	ND [0.2]	–	ND [0.2]	–	ND [0.19]

[1] ADEC Cleanup Level from 18AAC 75 Table B1 Soil Cleanup Levels, Most Stringent 'Migration to Groundwater' and 'Under 40 Inch Zone'

[ ] = limit of detection

Bold = The result exceeds the ADEC Cleanup Level

Italic and E = The sample result was nondetect (ND) and the LOD was greater than the ADEC Cleanup level

J = The analyte was positively identified, and the associated result was less than the limit of quantitation but greater than or equal to the detection limit.

B = The analyte was detected in the trip blank above the detection limit, and the concentration in the sample did not exceed the blank concentration by a factor of 10.

JS- = The result is considered estimated and biased low because at least one surrogate failed recovery criteria for that sample. For Method SW8270, results were only qualified if two or more surrogates failed recovery criteria.

JD = The result was qualified as estimated because the RPD between the sample and the field duplicate sample exceeded 50 percent.

mg/kg = milligrams per kilogram

QA/QC = quality assurance / quality control

SDG = sample delivery group

SO = soil

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB27 14BVR-SB27-SU02 14E187-15 14E187 5/21/2014 SO EMAX Primary	SB27 14BVR-SB27-SU02 14E190-15 14E190 5/21/2014 SO EMAX Primary	SB28 14BVR-SB28-SS01 14E186-15 14E186 5/22/2014 SO EMAX Primary	SB28 14BVR-SB28-SS01 14E191-15 14E191 5/22/2014 SO EMAX Primary	SB29 14BVR-B29SU-01 14E188-05 14E188 5/22/2014 SO EMAX Primary	SB29 14BVR-B29SU-02 14E188-06 14E188 5/22/2014 SO EMAX Primary	SB30 14BVR-SB30-SS01 14E184-06 14E184 5/21/2014 SO EMAX Primary	SB30 14BVR-SB30-SS01 14E189-06 14E189 5/21/2014 SO EMAX Primary	SB30 14BVR-SB30-SU02 14E184-07 14E184 5/21/2014 SO EMAX Primary	SB30 14BVR-SB30-SU02 14E189-07 14E189 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SS01 14E187-16 14E187 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SS01 14E190-16 14E190 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SU02 14E187-17 14E187 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SU02 14E190-17 14E190 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SS01 14E184-08 14E184 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SS01 14E189-08 14E189 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SS02 14E184-09 14E184 5/21/2014 SO EMAX Duplicate	SB32 14BVR-SB32-SS02 14E189-09 14E189 5/21/2014 SO EMAX Duplicate
Method	Analyte	Units	ADEC Cleanup Level[1]																						
D2216	% Moisture	PERCENT	–	7	7	17.8	17.8	18.7	3.4	14.9	14.9	9.1	9.1	8.5	8.5	7.2	7.2	16.3	16.3	14.9	14.9
9060	Total Organic Carbon	mg/kg	–	–	–	–	–	68.2 [12.3]	9.05 [10.4] J	–	–	–	–	–	–	–	–	–	–	–	–
AK101	GRO	mg/kg	300	ND [0.6]	–	ND [0.69]	–	–	–	ND [0.69]	–	ND [0.52]	–	0.44 [0.61] J	–	ND [0.6]	–	ND [0.69] JD	–	0.35 [0.59] J, JD	–
AK102/103	DRO	mg/kg	250	–	ND [5.4]	–	ND [6.1]	ND [6.2]	ND [5.2]	–	ND [5.9]	–	ND [5.5]	–	10 [5.5] J	–	ND [5.4]	–	**950 [60]**	–	**1100 [59]**
AK102/103	RRO	mg/kg	10000	–	ND [5.4]	–	40 [6.1]	–	–	–	31 [5.9]	–	ND [5.5]	–	16 [5.5]	–	ND [5.4]	–	**14000 [60]**	–	**14000 [59]**
6020A	Arsenic	mg/kg	3.9	–	**59 [0.106]**	–	**87.2 [0.122]**	–	–	–	**4.86 [0.111]**	–	**15.3 [0.104]**	–	**109 [0.108]**	–	**124 [0.108]**	–	**9.66 [0.114]**	–	**10.8 [0.12]**
6020A	Barium	mg/kg	1100	–	417 [0.106]	–	476 [0.122]	–	–	–	164 [0.111]	–	731 [0.104]	–	370 [0.108]	–	122 [0.108]	–	300 [0.114]	–	309 [0.12]
6020A	Cadmium	mg/kg	5	–	0.138 [0.106] J	–	0.787 [0.122]	–	–	–	0.0873 [0.111] J	–	ND [0.521]	–	0.392 [0.108] J	–	0.377 [0.108] J	–	0.182 [0.114] J	–	0.207 [0.12] J
6020A	Chromium	mg/kg	25	–	**26.3 [0.106]**	–	23.1 [0.122]	–	–	–	15 [0.111]	–	**60.1 [0.104]**	–	17.2 [0.108]	–	13.7 [0.108]	–	24.8 [0.114]	–	24.5 [0.12]
6020A	Lead	mg/kg	400	–	4.43 [0.106]	–	207 [0.122]	–	–	–	4.43 [0.111]	–	5.74 [0.104]	–	109 [0.108]	–	18.6 [0.108]	–	5.09 [0.114]	–	5.76 [0.12]
6020A	Selenium	mg/kg	3.4	–	0.151 [0.106] J	–	0.392 [0.122] J	–	–	–	0.109 [0.111] J	–	ND [0.521]	–	0.354 [0.108] J	–	0.281 [0.108] J	–	0.187 [0.114] J	–	0.177 [0.12] J
6020A	Silver	mg/kg	11.2	–	0.106 [0.106] J	–	0.524 [0.122] J	–	–	–	0.136 [0.111] J	–	0.116 [0.104] J	–	0.517 [0.108] J	–	0.517 [0.108] J	–	0.152 [0.114] J	–	0.157 [0.12] J
7471A	Mercury	mg/kg	1.4	–	ND [0.0215]	–	0.0312 [0.0243] J	–	–	–	ND [0.0235]	–	0.0198 [0.022] J	–	0.0211 [0.0219] J	–	0.0489 [0.0216] J	–	ND [0.0239]	–	0.0313 [0.0235] J
8081B	4,4'-Ddd	mg/kg	7.2	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	4,4'-Dde	mg/kg	5.1	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Alpha-BHC	mg/kg	7.3	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Aldrin	mg/kg	0.07	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Beta-BHC	mg/kg	0.0064	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Delta-BHC	mg/kg	2.3	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Beta-BHC	mg/kg	0.022	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Delta-BHC	mg/kg		–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Dieldrin	mg/kg	0.0076	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Endosulfan I	mg/kg	–	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Endosulfan Ii	mg/kg	–	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Endosulfan Sulfate	mg/kg	–	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Endrin	mg/kg	0.29	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Endrin Aldehyde	mg/kg	–	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Endrin Ketone	mg/kg	–	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Gamma-BHC (Lindane)	mg/kg	0.0095	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Gamma-Chlordane	mg/kg	2.3	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Heptachlor	mg/kg	0.28	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Heptachlor Epoxide	mg/kg	0.014	–	ND [0.00043]	–	ND [0.00049]	–	–	–	ND [0.00047]	–	ND [0.00044]	–	ND [0.00044]	–	ND [0.00043]	–	ND [0.0024]	–	ND [0.0024]
8081B	Methoxychlor	mg/kg	23	–	ND [0.0043]	–	ND [0.0049]	–	–	–	ND [0.0047]	–	ND [0.0044]	–	ND [0.0044]	–	ND [0.0043]	–	ND [0.024]	–	ND [0.024]
8081B	Toxaphene	mg/kg	3.9	–	ND [0.011]	–	ND [0.012]	–	–	–	ND [0.012]	–	ND [0.011]	–	ND [0.011]	–	ND [0.011]	–	ND [0.06]	–	ND [0.059]
8082A	PCB-1016 (Aroclor 1016)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	–	–	ND [0.02]	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]
8082A	PCB-1221 (Aroclor 1221)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	–	–	ND [0.02]	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]
8082A	PCB-1232 (Aroclor 1232)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	–	–	ND [0.02]	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]
8082A	PCB-1242 (Aroclor 1242)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	–	–	ND [0.02]	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]
8082A	PCB-1248 (Aroclor 1248)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	–	–	ND [0.02]	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]
8082A	PCB-1254 (Aroclor 1254)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	–	–	ND [0.02]	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]
8082A	PCB-1260 (Aroclor 1260)	mg/kg	1	–	ND [0.018]	–	ND [0.02]	–	–	–	ND [0.02]	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.02]	–	ND [0.02]
8260B	1,1,1,2-Tetrachloroethane	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	1,1,1-Trichloroethane	mg/kg	0.82	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.017	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	750	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	1,1,2-Trichloroethane	mg/kg	0.018	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	1,1-Dichloroethane	mg/kg	25	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	1,1-Dichloroethene	mg/kg	0.03	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	1,1-Dichloropropene	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	1,2,3-Trichlorobenzene	mg/kg	–	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	1,2,3-Trichloropropane	mg/kg	0.00053	*ND [0.12] E*	–	*ND [0.14] E*	–	–	–	–	–	–	–	*ND [0.12] E*	–	*ND [0.12] E*	–	–	–	–	–
8260B	1,2,4-Trichlorobenzene	mg/kg	0.85	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	1,2,4-Trimethylbenzene	mg/kg	23	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	1,2-Dibromo-3-Chloropropane	mg/kg	–	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	1,2-Dibromoethane	mg/kg	0.00016	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	1,2-Dichlorobenzene	mg/kg	5.1	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	1,2-Dichloroethane	mg/kg	0.016	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	1,2-Dichloropropane	mg/kg	0.018	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	1,3,5-Trimethylbenzene	mg/kg	23	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	1,3-Dichlorobenzene	mg/kg	28	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	1,3-Dichloropropane	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	1,4-Dichlorobenzene	mg/kg	0.64	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	2,2-Dichloropropane	mg/kg	–	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	2-Butanone	mg/kg	59	ND [0.3]	–	ND [0.34]	–	–	–	–	–	–	–	ND [0.31]	–	ND [0.3]	–	–	–	–	–
8260B	2-Chlorotoluene	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	2-Hexanone	mg/kg	–	ND [0.3]	–	ND [0.34]	–	–	–	–	–	–	–	ND [0.31]	–	ND [0.3]	–	–	–	–	–
8260B	4-Chlorotoluene	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	4-Isopropyltoluene	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	4-Methyl-2-Pentanone	mg/kg	8.1	ND [0.3]	–	ND [0.34]	–	–	–	–	–	–	–	ND [0.31]	–	ND [0.3]	–	–	–	–	–
8260B	Acetone	mg/kg	88	ND [0.3]	–	ND [0.34]	–	–	–	–	–	–	–	ND [0.31]	–	ND [0.3]	–	–	–	–	–
8260B	Benzene	mg/kg	0.025	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	*ND [0.069] E*	–	*ND [0.052] E*	–	*ND [0.061] E*	–	*ND [0.06] E*	–	*ND [0.069] JS-, E*	–	*ND [0.059] E*	–
8260B	Bromobenzene	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Bromochloromethane	mg/kg	–	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Bromodichloromethane	mg/kg	0.044	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	Bromoform	mg/kg	0.34	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	Bromomethane	mg/kg	0.16	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	Carbon Disulfide	mg/kg	12	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Carbon Tetrachloride	mg/kg	0.023	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	Chlorobenzene	mg/kg	0.63	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Chloroethane	mg/kg	23	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	Chloroform	mg/kg	0.46	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Chloromethane	mg/kg	0.21	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	Cis-1,2-Dichloroethene	mg/kg	0.24	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Cis-1,3-Dichloropropene	mg/kg	0.033	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	Dibromochloromethane	mg/kg	0.032	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	Dibromomethane	mg/kg	1.1	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Dichlorodifluoromethane	mg/kg	140	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	Ethylbenzene	mg/kg	6.9	ND [0.06]	–	ND [0.069]	–	–	–	ND [0.069]	–	ND [0.052]	–	ND [0.061]	–	ND [0.06]	–	ND [0.069] JS-	–	ND [0.059]	–
8260B	Methylene Chloride	mg/kg	0.016	*ND [0.12] E*	–	*ND [0.14] E*	–	–	–	–	–	–	–	*ND [0.12] E*	–	*ND [0.12] E*	–	–	–	–	–
8260B	Naphthalene	mg/kg	20	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB27 14BVR-SB27-SU02 14E187-15 14E187 5/21/2014 SO EMAX Primary	SB27 14BVR-SB27-SU02 14E190-15 14E190 5/21/2014 SO EMAX Primary	SB28 14BVR-SB28-SS01 14E186-15 14E186 5/22/2014 SO EMAX Primary	SB28 14BVR-SB28-SS01 14E191-15 14E191 5/22/2014 SO EMAX Primary	SB29 14BVR-B29SU-01 14E188-05 14E188 5/22/2014 SO EMAX Primary	SB29 14BVR-B29SU-02 14E188-06 14E188 5/22/2014 SO EMAX Primary	SB30 14BVR-SB30-SS01 14E184-06 14E184 5/21/2014 SO EMAX Primary	SB30 14BVR-SB30-SS01 14E189-06 14E189 5/21/2014 SO EMAX Primary	SB30 14BVR-SB30-SU02 14E184-07 14E184 5/21/2014 SO EMAX Primary	SB30 14BVR-SB30-SU02 14E189-07 14E189 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SS01 14E187-16 14E187 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SS01 14E190-16 14E190 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SU02 14E187-17 14E187 5/21/2014 SO EMAX Primary	SB31 14BVR-SB31-SU02 14E190-17 14E190 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SS01 14E184-08 14E184 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SS01 14E189-08 14E189 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SS02 14E184-09 14E184 5/21/2014 SO EMAX Duplicate	SB32 14BVR-SB32-SS02 14E189-09 14E189 5/21/2014 SO EMAX Duplicate
Method	Analyte	Units	ADEC Cleanup Level[1]																				
8260B	N-Butylbenzene	mg/kg	15	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	N-Propylbenzene	mg/kg	15	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	O-Xylene	mg/kg	63	ND [0.06]	–	ND [0.069]	–	–	–	ND [0.069]	–	ND [0.052]	–	ND [0.061]	–	ND [0.06]	–	ND [0.069] JS-	–	ND [0.059]	–
8260B	Sec-Butylbenzene	mg/kg	12	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Styrene	mg/kg	0.96	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Tert-Butylbenzene	mg/kg	12	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Tetrachloroethene (PCE)	mg/kg	0.024	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	Toluene	mg/kg	6.5	ND [0.06]	–	ND [0.069]	–	–	–	ND [0.069]	–	ND [0.052]	–	ND [0.061]	–	ND [0.06]	–	ND [0.069] JS-	–	ND [0.059]	–
8260B	Trans-1,2-Dichloroethene	mg/kg	0.37	ND [0.06]	–	ND [0.069]	–	–	–	–	–	–	–	ND [0.061]	–	ND [0.06]	–	–	–	–	–
8260B	Trans-1,3-Dichloropropene	mg/kg	0.033	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	Trichloroethene (TCE)	mg/kg	0.02	*ND [0.06] E*	–	*ND [0.069] E*	–	–	–	–	–	–	–	*ND [0.061] E*	–	*ND [0.06] E*	–	–	–	–	–
8260B	Trichlorofluoromethane	mg/kg	86	ND [0.12]	–	ND [0.14]	–	–	–	–	–	–	–	ND [0.12]	–	ND [0.12]	–	–	–	–	–
8260B	Vinyl Chloride	mg/kg	0.0085	*ND [0.12] E*	–	*ND [0.14] E*	–	–	–	–	–	–	–	*ND [0.12] E*	–	*ND [0.12] E*	–	–	–	–	–
8260B	Xylene, Isomers M & P	mg/kg	63	ND [0.3]	–	ND [0.34]	–	–	–	ND [0.35]	–	ND [0.26]	–	ND [0.31]	–	ND [0.3]	–	ND [0.35] JS-	–	ND [0.29]	–
8270D	1,2,4-Trichlorobenzene	mg/kg	0.85	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	1,2-Dichlorobenzene	mg/kg	5.1	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	1,3-Dichlorobenzene	mg/kg	28	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	1,4-Dichlorobenzene	mg/kg	0.64	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	1-Methylnaphthalene	mg/kg	6.2	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2,4,5-Trichlorophenol	mg/kg	67	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2,4,6-Trichlorophenol	mg/kg	1.4	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2,4-Dichlorophenol	mg/kg	1.3	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2,4-Dimethylphenol	mg/kg	8.8	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2,4-Dinitrophenol	mg/kg	0.54	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2,4-Dinitrotoluene	mg/kg	0.0093	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	2,6-Dinitrotoluene	mg/kg	0.0094	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	2-Chloronaphthalene	mg/kg	120	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2-Chlorophenol	mg/kg	1.5	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2-Methylnaphthalene	mg/kg	6.1	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	2-Nitrophenol	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	3,3'-Dichlorobenzidine	mg/kg	0.19	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	3-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	4-Chloro-3-Methylphenol	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	4-Chloroaniline	mg/kg	0.057	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	4-Methylphenol	mg/kg	1.5	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	4-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	4-Nitrophenol	mg/kg	–	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Acenaphthene	mg/kg	180	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Acenaphthylene	mg/kg	180	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Anthracene	mg/kg	3000	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Benzo(A)Anthracene	mg/kg	3.6	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Benzo(A)Pyrene	mg/kg	0.49	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Benzo(B)Fluoranthene	mg/kg	4.9	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Benzo(G,H,I)Perylene	mg/kg	1400	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Benzo(K)Fluoranthene	mg/kg	49	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Benzoic Acid	mg/kg	410	–	ND [0.72]	–	ND [0.81]	–	–	–	ND [0.78]	–	ND [0.73]	–	ND [0.73]	–	ND [0.72]	–	ND [0.8]	–	ND [0.78]
8270D	Bis(2-Ethylhexyl)Phthalate	mg/kg	13	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Carbazole	mg/kg	6.5	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Chrysene	mg/kg	360	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Dibenzo(A,H)Anthracene	mg/kg	0.49	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Dibenzofuran	mg/kg	11	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Fluoranthene	mg/kg	1400	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Fluorene	mg/kg	220	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Hexachlorobenzene	mg/kg	0.047	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	Hexachlorobutadiene	mg/kg	0.12	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	Hexachlorocyclopentadiene	mg/kg	1.3	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Hexachloroethane	mg/kg	0.21	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Indeno(1,2,3-Cd)Pyrene	mg/kg	4.9	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Isophorone	mg/kg	3.1	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Naphthalene	mg/kg	20	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Nitrobenzene	mg/kg	0.094	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	N-Nitrosodimethylamine	mg/kg	0.000053	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	N-Nitroso-Di-N-Propylamine	mg/kg	0.0011	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	N-Nitrosodiphenylamine	mg/kg	15	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Pentachlorophenol	mg/kg	0.047	–	*ND [0.18] E*	–	*ND [0.2] E*	–	–	–	*ND [0.2] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.2] E*	–	*ND [0.2] E*
8270D	Phenanthrene	mg/kg	3000	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Phenol	mg/kg	68	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]
8270D	Pyrene	mg/kg	1000	–	ND [0.18]	–	ND [0.2]	–	–	–	ND [0.2]	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.2]	–	ND [0.2]

[1] ADEC Cleanup Level from 18AAC 75 Table B1 Soil Cleanup Levels, Most Stringent 'Migration to Groundwater' and 'Under 40 Inch Zone'

[ ] = limit of detection

Bold = The result exceeds the ADEC Cleanup Level

Italic and E = The sample result was nondetect (ND) and the LOD was greater than the ADEC Cleanup level

J = The analyte was positively identified, and the associated result was less than the limit of quantitation but greater than or equal to the detection limit.

B = The analyte was detected in the trip blank above the detection limit, and the concentration in the sample did not exceed the blank concentration by a factor of 10.

JS- = The result is considered estimated and biased low because at least one surrogate failed recovery criteria for that sample. For Method SW8270, results were only qualified if two or more surrogates failed recovery criteria.

JD = The result was qualified as estimated because the RPD between the sample and the field duplicate sample exceeded 50 percent.

mg/kg = milligrams per kilogram

QA/QC = quality assurance / quality control

SDG = sample delivery group

SO = soil

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB32 14BVR-SB32-SU03 14E184-10 14E184 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SU03 14E189-10 14E189 5/21/2014 SO EMAX Primary	SB33 14BVR-SB33-SS01 14E186-14 14E186 5/22/2014 SO EMAX Primary	SB33 14BVR-SB33-SS01 14E191-14 14E191 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SS01 14E186-12 14E186 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SS01 14E191-12 14E191 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SU02 14E186-13 14E186 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SU02 14E191-13 14E191 5/22/2014 SO EMAX Primary	W02-S01 14BVR-W02-S01 14E186-17 14E186 5/22/2014 SO EMAX Primary	W02-S01 14BVR-W02-S01 14E191-17 14E191 5/22/2014 SO EMAX Primary	TB01 14BVR-TB01-TB01 14E187-20 14E187 5/21/2014 SO EMAX Trip Blank	TB02 14BVR-TB02-TB02 14E184-20 14E184 5/21/2014 SO EMAX Trip Blank	TB04 14BVR-TB04-TB04 14E186-18 14E186 5/22/2014 SO EMAX Trip Blank
Method	Analyte	Units	ADEC Cleanup Level[1]														
D2216	% Moisture	PERCENT	–	5.1	5.1	5.9	5.9	5.6	5.6	1.2	1.2	7	7	–	–	–
9060	Total Organic Carbon	mg/kg	–	–	–	–	–	–	–	–	–	–	–	–	–	–
AK101	GRO	mg/kg	300	ND [0.5]	–	0.38 [0.31] J	–	3.4 [0.37]	–	ND [0.2]	–	ND [0.31]	–	ND [0.5]	ND [0.5]	ND [0.5]
AK102/103	DRO	mg/kg	250	–	82 [5.3]	–	28 [5.3]	–	110 [5.3]	–	4.2 [5.1] J	–	ND [5.4]	–	–	–
AK102/103	RRO	mg/kg	10000	–	1200 [5.3]	–	50 [5.3]	–	27 [5.3]	–	ND [5.1]	–	ND [5.4]	–	–	–
6020A	Arsenic	mg/kg	3.9	–	**12.4 [0.0989]**	–	**90.6 [0.104]**	–	**31.9 [0.105]**	–	**6.11 [0.101]**	–	**23.7 [0.108]**	–	–	–
6020A	Barium	mg/kg	1100	–	250 [0.0989]	–	384 [0.104]	–	923 [0.105]	–	549 [0.101]	–	298 [0.538]	–	–	–
6020A	Cadmium	mg/kg	5	–	ND [0.494]	–	0.418 [0.104] J	–	0.402 [0.105] J	–	0.155 [0.101] J	–	0.337 [0.538] J	–	–	–
6020A	Chromium	mg/kg	25	–	19.3 [0.494]	–	22.4 [0.104]	–	**57 [0.105]**	–	**32.5 [0.101]**	–	24.4 [0.538]	–	–	–
6020A	Lead	mg/kg	400	–	2.75 [0.494]	–	34.8 [0.104]	–	7.46 [0.105]	–	2.79 [0.101]	–	11.1 [0.538]	–	–	–
6020A	Selenium	mg/kg	3.4	–	ND [0.494]	–	0.54 [0.104]	–	0.165 [0.105] J	–	0.0733 [0.101] J	–	0.218 [0.108] J	–	–	–
6020A	Silver	mg/kg	11.2	–	ND [0.494]	–	0.231 [0.104] J	–	0.165 [0.105] J	–	0.168 [0.101] J	–	ND [0.538]	–	–	–
7471A	Mercury	mg/kg	1.4	–	0.0244 [0.0211] J	–	0.0182 [0.0213] J	–	ND [0.0212]	–	ND [0.0202]	–	0.0147 [0.0215] J	–	–	–
8081B	4,4'-Ddd	mg/kg	7.2	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	4,4'-Dde	mg/kg	5.1	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Alpha-BHC	mg/kg	7.3	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Aldrin	mg/kg	0.07	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Beta-BHC	mg/kg	0.0064	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Delta-BHC	mg/kg	2.3	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Beta-BHC	mg/kg	0.022	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Delta-BHC	mg/kg		–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Dieldrin	mg/kg	0.0076	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Endosulfan I	mg/kg	–	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Endosulfan Ii	mg/kg	–	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Endosulfan Sulfate	mg/kg	–	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Endrin	mg/kg	0.29	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Endrin Aldehyde	mg/kg	–	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Endrin Ketone	mg/kg	–	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Gamma-BHC (Lindane)	mg/kg	0.0095	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Gamma-Chlordane	mg/kg	2.3	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Heptachlor	mg/kg	0.28	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Heptachlor Epoxide	mg/kg	0.014	–	ND [0.00084]	–	ND [0.00043]	–	ND [0.00042]	–	ND [0.0004]	–	ND [0.00043]	–	–	–
8081B	Methoxychlor	mg/kg	23	–	ND [0.0084]	–	ND [0.0043]	–	ND [0.0042]	–	ND [0.004]	–	ND [0.0043]	–	–	–
8081B	Toxaphene	mg/kg	3.9	–	ND [0.021]	–	ND [0.011]	–	ND [0.011]	–	ND [0.01]	–	ND [0.011]	–	–	–
8082A	PCB-1016 (Aroclor 1016)	mg/kg	1	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]	–	ND [0.018]	–	–	–
8082A	PCB-1221 (Aroclor 1221)	mg/kg	1	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]	–	ND [0.018]	–	–	–
8082A	PCB-1232 (Aroclor 1232)	mg/kg	1	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]	–	ND [0.018]	–	–	–
8082A	PCB-1242 (Aroclor 1242)	mg/kg	1	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]	–	ND [0.018]	–	–	–
8082A	PCB-1248 (Aroclor 1248)	mg/kg	1	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]	–	ND [0.018]	–	–	–
8082A	PCB-1254 (Aroclor 1254)	mg/kg	1	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]	–	ND [0.018]	–	–	–
8082A	PCB-1260 (Aroclor 1260)	mg/kg	1	–	ND [0.018]	–	ND [0.018]	–	ND [0.018]	–	ND [0.017]	–	ND [0.018]	–	–	–
8260B	1,1,1,2-Tetrachloroethane	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	1,1,1-Trichloroethane	mg/kg	0.82	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	1,1,2,2-Tetrachloroethane	mg/kg	0.017	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	*ND [0.02] E*	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	750	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	1,1,2-Trichloroethane	mg/kg	0.018	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	*ND [0.02] E*	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	1,1-Dichloroethane	mg/kg	25	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	1,1-Dichloroethene	mg/kg	0.03	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	ND [0.02]	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	1,1-Dichloropropene	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	1,2,3-Trichlorobenzene	mg/kg	–	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	1,2,3-Trichloropropane	mg/kg	0.00053	–	–	*ND [0.062] E*	–	*ND [0.074] E*	–	*ND [0.04] E*	–	*ND [0.062] E*	–	*ND [0.1] E*	*ND [0.1] E*	*ND [0.1] E*
8260B	1,2,4-Trichlorobenzene	mg/kg	0.85	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	1,2,4-Trimethylbenzene	mg/kg	23	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	1,2-Dibromo-3-Chloropropane	mg/kg	–	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	1,2-Dibromoethane	mg/kg	0.00016	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	*ND [0.02] E*	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	1,2-Dichlorobenzene	mg/kg	5.1	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	1,2-Dichloroethane	mg/kg	0.016	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	*ND [0.02] E*	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	1,2-Dichloropropane	mg/kg	0.018	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	*ND [0.02] E*	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	1,3,5-Trimethylbenzene	mg/kg	23	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	1,3-Dichlorobenzene	mg/kg	28	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	1,3-Dichloropropane	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	1,4-Dichlorobenzene	mg/kg	0.64	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	2,2-Dichloropropane	mg/kg	–	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	2-Butanone	mg/kg	59	–	–	ND [0.15]	–	ND [0.18]	–	ND [0.1]	–	ND [0.16]	–	ND [0.25]	ND [0.25]	ND [0.25]
8260B	2-Chlorotoluene	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	2-Hexanone	mg/kg	–	–	–	ND [0.15]	–	ND [0.18]	–	ND [0.1]	–	ND [0.16]	–	ND [0.25]	ND [0.25]	ND [0.25]
8260B	4-Chlorotoluene	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	4-Isopropyltoluene	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	4-Methyl-2-Pentanone	mg/kg	8.1	–	–	ND [0.15]	–	ND [0.18]	–	ND [0.1]	–	ND [0.16]	–	ND [0.25]	ND [0.25]	ND [0.25]
8260B	Acetone	mg/kg	88	–	–	ND [0.15]	–	ND [0.18]	–	ND [0.1]	–	ND [0.16]	–	ND [0.25]	ND [0.25]	ND [0.25]
8260B	Benzene	mg/kg	0.025	*ND [0.05] E*	–	*ND [0.031] E*	–	*ND [0.037] E*	–	ND [0.02]	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Bromobenzene	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Bromochloromethane	mg/kg	–	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Bromodichloromethane	mg/kg	0.044	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Bromoform	mg/kg	0.34	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	Bromomethane	mg/kg	0.16	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	Carbon Disulfide	mg/kg	12	–	–	0.021 [0.031] J	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Carbon Tetrachloride	mg/kg	0.023	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	ND [0.02]	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Chlorobenzene	mg/kg	0.63	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Chloroethane	mg/kg	23	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	Chloroform	mg/kg	0.46	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Chloromethane	mg/kg	0.21	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	Cis-1,2-Dichloroethene	mg/kg	0.24	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Cis-1,3-Dichloropropene	mg/kg	0.033	–	–	ND [0.031]	–	*ND [0.037] E*	–	ND [0.02]	–	ND [0.031]	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Dibromochloromethane	mg/kg	0.032	–	–	ND [0.031]	–	*ND [0.037] E*	–	ND [0.02]	–	ND [0.031]	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Dibromomethane	mg/kg	1.1	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Dichlorodifluoromethane	mg/kg	140	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	Ethylbenzene	mg/kg	6.9	ND [0.05]	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Methylene Chloride	mg/kg	0.016	–	–	**0.033 [0.062] J**	–	**0.044 [0.074] J**	–	*ND [0.04] E*	–	*ND [0.062] E*	–	*ND [0.1] E*	**0.063 [0.1] J**	*ND [0.1] E*
8260B	Naphthalene	mg/kg	20	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]

2014 Beaver Creek RRS Remedial Investigation
Soil Analytical Results

			Location ID Sample ID Lab Sample ID SDG Collection Date Matrix Laboratory QA/QC	SB32 14BVR-SB32-SU03 14E184-10 14E184 5/21/2014 SO EMAX Primary	SB32 14BVR-SB32-SU03 14E189-10 14E189 5/21/2014 SO EMAX Primary	SB33 14BVR-SB33-SS01 14E186-14 14E186 5/22/2014 SO EMAX Primary	SB33 14BVR-SB33-SS01 14E191-14 14E191 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SS01 14E186-12 14E186 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SS01 14E191-12 14E191 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SU02 14E186-13 14E186 5/22/2014 SO EMAX Primary	SB34 14BVR-SB34-SU02 14E191-13 14E191 5/22/2014 SO EMAX Primary	W02-S01 14BVR-W02-S01 14E186-17 14E186 5/22/2014 SO EMAX Primary	W02-S01 14BVR-W02-S01 14E191-17 14E191 5/22/2014 SO EMAX Primary	TB01 14BVR-TB01-TB01 14E187-20 14E187 5/21/2014 SO EMAX Trip Blank	TB02 14BVR-TB02-TB02 14E184-20 14E184 5/21/2014 SO EMAX Trip Blank	TB04 14BVR-TB04-TB04 14E186-18 14E186 5/22/2014 SO EMAX Trip Blank
Method	Analyte	Units	ADEC Cleanup Level[1]														
8260B	N-Butylbenzene	mg/kg	15	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	N-Propylbenzene	mg/kg	15	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	O-Xylene	mg/kg	63	ND [0.05]	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Sec-Butylbenzene	mg/kg	12	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Styrene	mg/kg	0.96	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Tert-Butylbenzene	mg/kg	12	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Tetrachloroethene (PCE)	mg/kg	0.024	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	ND [0.02]	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Toluene	mg/kg	6.5	ND [0.05]	–	0.016 [0.031] J	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Trans-1,2-Dichloroethene	mg/kg	0.37	–	–	ND [0.031]	–	ND [0.037]	–	ND [0.02]	–	ND [0.031]	–	ND [0.05]	ND [0.05]	ND [0.05]
8260B	Trans-1,3-Dichloropropene	mg/kg	0.033	–	–	ND [0.031]	–	*ND [0.037] E*	–	ND [0.02]	–	ND [0.031]	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Trichloroethene (TCE)	mg/kg	0.02	–	–	*ND [0.031] E*	–	*ND [0.037] E*	–	ND [0.02]	–	*ND [0.031] E*	–	*ND [0.05] E*	*ND [0.05] E*	*ND [0.05] E*
8260B	Trichlorofluoromethane	mg/kg	86	–	–	ND [0.062]	–	ND [0.074]	–	ND [0.04]	–	ND [0.062]	–	ND [0.1]	ND [0.1]	ND [0.1]
8260B	Vinyl Chloride	mg/kg	0.0085	–	–	*ND [0.062] E*	–	*ND [0.074] E*	–	*ND [0.04] E*	–	*ND [0.062] E*	–	*ND [0.1] E*	*ND [0.1] E*	*ND [0.1] E*
8260B	Xylene, Isomers M & P	mg/kg	63	ND [0.25]	–	ND [0.15]	–	ND [0.18]	–	ND [0.1]	–	ND [0.16]	–	ND [0.25]	ND [0.25]	ND [0.25]
8270D	1,2,4-Trichlorobenzene	mg/kg	0.85	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	1,2-Dichlorobenzene	mg/kg	5.1	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	1,3-Dichlorobenzene	mg/kg	28	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	1,4-Dichlorobenzene	mg/kg	0.64	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	1-Methylnaphthalene	mg/kg	6.2	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2,4,5-Trichlorophenol	mg/kg	67	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2,4,6-Trichlorophenol	mg/kg	1.4	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2,4-Dichlorophenol	mg/kg	1.3	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2,4-Dimethylphenol	mg/kg	8.8	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2,4-Dinitrophenol	mg/kg	0.54	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2,4-Dinitrotoluene	mg/kg	0.0093	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	2,6-Dinitrotoluene	mg/kg	0.0094	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	2-Chloronaphthalene	mg/kg	120	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2-Chlorophenol	mg/kg	1.5	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2-Methylnaphthalene	mg/kg	6.1	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	2-Nitrophenol	mg/kg	–	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	3,3'-Dichlorobenzidine	mg/kg	0.19	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	3-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	4-Chloro-3-Methylphenol	mg/kg	–	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	4-Chloroaniline	mg/kg	0.057	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	4-Methylphenol	mg/kg	1.5	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	4-Nitroaniline	mg/kg	–	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	4-Nitrophenol	mg/kg	–	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Acenaphthene	mg/kg	180	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Acenaphthylene	mg/kg	180	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Anthracene	mg/kg	3000	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Benzo(A)Anthracene	mg/kg	3.6	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Benzo(A)Pyrene	mg/kg	0.49	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Benzo(B)Fluoranthene	mg/kg	4.9	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Benzo(G,H,I)Perylene	mg/kg	1400	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Benzo(K)Fluoranthene	mg/kg	49	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Benzoic Acid	mg/kg	410	–	ND [0.7]	–	ND [0.71]	–	ND [0.71]	–	ND [0.68]	–	ND [0.72]	–	–	–
8270D	Bis(2-Ethylhexyl)Phthalate	mg/kg	13	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Carbazole	mg/kg	6.5	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Chrysene	mg/kg	360	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Dibenzo(A,H)Anthracene	mg/kg	0.49	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Dibenzofuran	mg/kg	11	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Fluoranthene	mg/kg	1400	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Fluorene	mg/kg	220	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Hexachlorobenzene	mg/kg	0.047	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	Hexachlorobutadiene	mg/kg	0.12	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	Hexachlorocyclopentadiene	mg/kg	1.3	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Hexachloroethane	mg/kg	0.21	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Indeno(1,2,3-Cd)Pyrene	mg/kg	4.9	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Isophorone	mg/kg	3.1	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Naphthalene	mg/kg	20	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Nitrobenzene	mg/kg	0.094	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	N-Nitrosodimethylamine	mg/kg	0.000053	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	N-Nitroso-Di-N-Propylamine	mg/kg	0.0011	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	N-Nitrosodiphenylamine	mg/kg	15	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Pentachlorophenol	mg/kg	0.047	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.18] E*	–	*ND [0.17] E*	–	*ND [0.18] E*	–	–	–
8270D	Phenanthrene	mg/kg	3000	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Phenol	mg/kg	68	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–
8270D	Pyrene	mg/kg	1000	–	ND [0.18]	–	ND [0.18]	–	ND [0.18]	–	ND [0.17]	–	ND [0.18]	–	–	–

[1] ADEC Cleanup Level from 18AAC 75 Table B1 Soil Cleanup Levels, Most Stringent 'Migration to Groundwater' and 'Under 40 Inch Zone'

[ ] = limit of detection

Bold = The result exceeds the ADEC Cleanup Level

Italic and E = The sample result was nondetect (ND) and the LOD was greater than the ADEC Cleanup level

J = The analyte was positively identified, and the associated result was less than the limit of quantitation but greater than or equal to the detection limit.

B = The analyte was detected in the trip blank above the detection limit, and the concentration in the sample did not exceed the blank concentration by a factor of 10.

JS- = The result is considered estimated and biased low because at least one surrogate failed recovery criteria for that sample. For Method SW8270, results were only qualified if two or more surrogates failed recovery criteria.

JD = The result was qualified as estimated because the RPD between the sample and the field duplicate sample exceeded 50 percent.

mg/kg = milligrams per kilogram

QA/QC = quality assurance / quality control

SDG = sample delivery group

SO = soil

APPENDIX C
Responses to ADEC Comments

	SITE: Beaver Creek Radio Relay Station, Alaska **DOCUMENT (title/date): Site Closure Report, White Alice Communications Site OT001, Beaver Creek RRS, Alaska** **REVIEWER (name/date): Jessica Morris / ADEC / August 2015**	

Item No.	Page No., Section or Para.	COMMENTS	RESPONSE	ADEC RESPONSE ACCEPTANCE (A-AGREE) (D-DISAGREE)
1	ES-1, 3rd paragraph, last sentence	Indicate that sampling and analysis for PCBS, VOCs, VOCs, etc. was conducted. Disposal areas investigated..	Agree. Additional text will be added after the second sentence to read: "Soil samples were collected and analyzed for gasoline-range organics, DRO, residual range organics (RRO), volatile organic compounds, semi-volatile organic compounds, polychlorinated biphenyls, and Resource Conservation and Recovery Act metals." The following sentence will be revised to read: "DRO and RRO were the only analytes detected in concentrations above ADEC Method Two, Under 40 Inch Zone, migration to groundwater cleanup levels in surface and subsurface samples, but no groundwater was encountered during drilling activities." The paragraph will conclude with: "In addition to collecting soil samples for laboratory analysis, six formerly cleared areas along the easement right of way were inspected for use as prior debris burial sites."	A
2	ES-2, last sentence	Appendix C is not needed.	Agree. Per email received from ADEC on August 7, a separate cleanup complete determination letter will not be issued as this report contains the necessary information for closure determination. The last sentence of this paragraph, other references to Appendix C, and Appendix C will be removed.	A
3	Page 2-4, first sentence	Explain which cleanup levels are applicable, and that the volume is de minimus.	Agree. Cleanup levels will be identified as those for the ingestion pathway because groundwater water not identified at the site. Text will be added to explain that the RRO surface soil exceedance is not indicative of a larger contaminated area and represents a very small volume since RRO was not detected in samples collected less than 10 feet way therefore the volume is *de minimus*.	A
4	Section 3.0, last sentence of second paragraph	"No groundwater was observed during drilling or excavation activities onsite; therefore, the most stringent migration to groundwater cleanup levels do not apply (USAF 2015)." This is also unlikely based on topography and bedrock.	Agree. The sentence will be revised to read "No groundwater was observed during drilling or excavation activities onsite, due to site topography and bedrock; therefore, the most stringent migration to groundwater cleanup levels do not apply (USAF 2015)."	A