INTERIM CORRECTIVE MEASURES AOC 3B EXCAVATION COMPLETION REPORT

RADIO MATERIALS CORPORATION
ATTICA, INDIANA

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) completed a Phase IIB Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at the former Radio Materials Corporation (RMC) manufacturing facility located in Attica, Indiana (Site) consistent with the U.S. Environmental Protection Agency (U.S. EPA) Region 5 RCRA 3008(h) Consent Order No. IND 005 477 021. The Consent Order was issued to RMC. The Site is located in west-central Indiana at 1095 East Summit Street in the eastern portion of the City of Attica, in Fountain County, Section 5, Township 21 North, Range 7 West. The Site location is provided on Figure 1.1.

The purpose of the Phase IIB RFI was to delineate the vertical and horizontal extent of potential contamination from five Solid Waste Management Units (SWMUs) and three Areas of Concern (AOCs) at the Site. The Phase IIB RFI was conducted in accordance with the document entitled *Phase IIB RFI Work Plan, Radio Materials Corporation Facility, Attica, Indiana* (CRA 2003) as amended by the letter to the U.S. EPA dated June 10, 2003 and approved by the U.S. EPA in a letter dated June 16, 2003 (Phase IIB Work Plan).

Based on the findings of the Phase IIB RFI, CRA developed an Interim Corrective Measures (ICMs) Work Plan. ICMs are defined by the U.S. EPA as measures to control or abate threats to human health and/or the environment from releases and/or to prevent or minimize the further spread of contamination while long-term remedies are pursued. The ICMs Work Plan identified the areas of the Site that would be amenable to ICMs, the stabilization technologies selected and the rationale for selection, and the activities required to investigate the technologies and obtain the data and information required to design and implement the stabilization technologies. Limited excavation and off-Site disposal was identified as an ICM that would be applicable to Area of Concern 3B (AOC 3B). The objective of the excavation in AOC 3B was to remove soils exhibiting lead concentrations in excess of the U.S. EPA and Indiana Department of Environmental Management (IDEM) direct contact criterion of 400 milligrams per kilogram (mg/kg).

This Interim Corrective Measures (ICM) Completion Report (Report) summarizes the activities completed that are associated with the excavation of lead impacted soils from the AOC 3B.

2.0 BACKGROUND

2.1 SITE BACKGROUND

Land use surrounding the Site is a mixture of residential, agricultural, and light industrial. The land use is predominantly residential to the east, west, northwest, and south. In 1947, Mr. Joseph Riley, Sr. reportedly purchased the Site and began the manufacture of television tubes and ceramic capacitors in the main plant located south of Summit Street in 1948 (Description of Current Conditions Report [DOCC], 1999). P.R. Mallory Company, Inc. purchased RMC in 1957 and owned it until 1978. The Riley family repurchased the facility in 1978 and continued to manufacture ceramic capacitors. Currently, there are no active manufacturing operations at the Site. The Site buildings, including the main building, are used for general storage of equipment and supplies. Office space in the main building is in use by the current Site owner, Mr. Joe Riley, Jr.

2.2 AOC 3B DESCRIPTION

AOC 3B is located in a drainage ditch located east of Buildings 5 and 9 and was covered with vegetation (i.e., trees, shrubs, and grass) prior to excavation activities (see Figure 2.1). The outfall apparently discharged wastewater generated in a laboratory operated in Building 5 based on observations made during preparation of the DOCC. Presently, only limited storm water is conveyed on an intermittent basis by this small drainage feature. This drainage feature terminates at a former gravel pit located south of Building 6.

2.3 EXCAVATION WORK PLAN

The excavation in AOC 3B was conducted in accordance with the document entitled *Interim Corrective Measures Excavation Work Plan SWMUs 1 and 2 and AOC 3B, Radio Materials Corporation, Attica, Indiana* (CRA 2007), submitted to the U.S. EPA on February 28, 2007 and subsequently approved by the U.S. EPA on March 19, 2007 (Excavation Work Plan).

The objective of the excavation in AOC 3B was to remove soils exhibiting lead concentrations in excess of the U.S. EPA and IDEM direct contact criterion of 400 mg/kg.

3.0 IMPLEMENTATION OF EXCAVATION WORK PLAN

3.1 PREPARATION

Focus Contracting, Inc. (Focus) of Avon, Indiana was retained to perform the excavation. CRA was responsible for providing project management, excavation oversight, and collecting soil confirmation samples. On February 20, 2008, CRA met Focus at the Site to discuss the excavation activities, location of access roads and decontamination area, schedule for activities, and health and safety topics.

3.1.1 ACCESS ROADS

The Site has a system of roadways that allow access to AOC 3B. On February 21, 2008, Focus improved the roadways by adding gravel to support the heavy truck and equipment travel required during the excavation activities.

3.1.2 UTILITY CLEARANCE

The estimated location of all underground installations was determined prior to excavation activities. The Site owner, Mr. Joe Riley, Jr., was contacted prior to excavation activities to locate underground private utilities and installations in AOC 3B. Mr. Riley cleared all utilities in AOC 3B on February 25, 2008.

3.1.3 DECONTAMINATION AREAS

On February 21, 2008, Focus constructed a temporary decontamination area adjacent to AOC 3B. Decontamination of excavation equipment was performed in this area with a high pressure power washer. In addition, all sampling equipment was decontaminated prior to field use and after each sample was collected to prevent cross-contamination between samples. Decontamination of the field equipment was performed using the decontamination protocols in the approved Phase IIB RFI Work Plan.

3.1.4 SITE SECURITY

On February 21, 2008, Focus placed temporary orange construction fencing around the marked excavation area to prevent inadvertent trespass into the excavation area.

3.1.5 HEALTH AND SAFETY

All construction activities were performed in compliance with the Site-Specific Health and Safety Plan (CRA 2006). Daily tailgate safety meetings were conducted and documented by CRA staff prior to beginning the daily activities associated with the excavation of AOC 3B. All personnel on Site were required to attend the daily tailgate safety meetings.

3.1.6 CLEARING AND GRUBBING

AOC 3B is located in an area densely vegetated by shrubs and small trees adjacent to a cultivated farm field. On February 21, 2008, Focus used a Caterpillar D4G bulldozer to remove the brush and small trees in this area. The vegetation was moved to an area designated by the Site owner.

3.2 EXCAVATION AND TRANSPORTATION OF EXCAVATED SOIL WASTE

Excavation in AOC 3B was targeted to soils identified as containing levels of lead above the U.S. EPA's and IDEM's direct contact objective of 400 mg/kg. On February 20, 2008, CRA marked the area to be excavated with flags. The excavation was limited in extent to a narrow drainage channel located near the east property boundary ending south of the former gravel pit.

The excavation area began approximately 65 feet to the north of Summit Street and extended north approximately 350 linear feet within the drainage ditch. Soil was excavated to approximately 2 feet below the base of the drainage ditch.

On February 27, 2008, Focus excavated approximately 170 linear feet of the drainage ditch starting at the north end. On February 28, 2008, Focus completed the excavation in AOC 3B by excavating approximately 180 linear feet of drainage ditch. Focus performed the excavation with a Caterpillar 320 excavator.

The extent of the excavation is shown on Figure 3.1.

During the excavation, the following underground installations were encountered:

- one 4-inch outer diameter polyvinyl chloride (PVC) pipe oriented east and west and ending in the drainage ditch;
- one 12-inch vita thermoplastic compound (VTC) pipe oriented east and west and ending in the drainage ditch; and
- two 12-inch concrete storm lines oriented east and west and ending in the drainage ditch.

All underground installations within the excavation area were protected, supported, or removed in order to prevent injuries and damage during excavation. As necessary, Focus made repairs to underground installations.
Focus excavated approximately 351 tons of soil and loaded the soil into dump trucks provided by Fox Hauling & Construction (Fox Hauling).

3.3 DISPOSAL OF EXCAVATED SOIL

The excavated soil from AOC 3B was identified as non-hazardous based on waste characteristic data indicating that TCLP lead concentrations were well below 5 milligrams per Liter (mg/L), the toxicity characteristic level for lead. Soil samples from AOC 3B were collected and analyzed by Columbia Analytical Services of Kelso, Washington for analysis of total/TCLP lead by U.S. EPA Method SW-846 6010B. A summary of the waste characterization data is presented in Table 3.1.

Fox Hauling transported the excavated soil to the Heritage Environmental Services (HES) landfill located in Roachdale, Indiana (IND 980503890) for disposal as non-hazardous industrial waste. Twenty-eight loads of excavated soil were transported by Fox Hauling to the HES landfill, and each truck bed was tarped prior transport. A summary of the loads of excavated soil waste transported by Fox Hauling and the weight of each load is provided in Table 3.2.

Waste regulatory records for the excavated soil from AOC 3B including the laboratory analytical report are provided in Appendix A.

3.4 CONFIRMATORY SOIL SAMPLING AND ANALYTICAL DATA EVALUATION

On February 28, 2008, eight confirmatory soil samples were collected by CRA from AOC 3B after excavating to a depth of approximately 2 feet below the base of the drainage ditch. Consistent with the Excavation Work Plan, one confirmatory soil sample was collected for every 50 linear feet of the drainage ditch from the top 6 inches of the base of the excavation. The confirmatory soil samples were 3-point composite samples and were collected with a clean steel trowel and placed into laboratory-supplied sample containers. A summary of the confirmatory soil samples collected in AOC 3B is presented in Table 3.3.

On February 28, 2008, the eight confirmatory soil samples were shipped to Columbia Analytical Services of Kelso, Washington for analysis of total lead by U.S. EPA Method SW-846 6010B. The samples were analyzed for total lead consistent with the protocols in the approved Quality Assurance Project Plan (QAPP) for the Phase IIB RFI. The laboratory analytical report and data quality assessment and validation memo are provided in Appendix B.

On March 5, 2008, CRA received analytical data from Columbia Analytical Services for the confirmatory soil samples. The lead concentrations ranged from 16.7 mg/kg at the southern end of the excavation to 287 mg/kg near the center of excavation to the southeast of Building 8. All sample locations were below the 400 mg/kg target cleanup objective for lead. The lead concentrations of all confirmatory soil samples are presented in Table 3.4.

On March 12, 2008, the confirmatory soil sampling locations were surveyed by CRA. The surveyed confirmatory soil sampling locations are shown on Figure 3.1.

3.5 SITE RESTORATION

The excavation in AOC 3B remained open and secured until receipt of the analytical data for the confirmatory soil samples from the laboratory. After reviewing the analytical data and verifying that the target cleanup objective for lead was met, the ditch was backfilled and restored to its original elevations.

On March 6, 2008, Focus pumped water out of the excavated area, and then plugged the two 12-inch concrete storm lines that formerly drained into the drainage ditch.

On March 7, 2008, Focus continued pumping water out of the excavated area in preparation for the backfill.

On March 7, 2008, Fox Hauling provided 17 loads of backfill soil, and Focus began placing and compacting the backfill soil. On March 10, 2008, Fox Hauling provided 3 additional loads of backfill soil, and Focus completed compacting the backfill soil. Erosion control measures including staked bales and seeding were used as appropriate to minimize erosion and ensure proper drainage.

The decontamination pad was inspected prior to removal and observed waste was removed and containerized. The pad was dismantled and all materials were placed into a roll-off box for transportation to a permitted solid waste disposal facility.

Photographs from before and after the excavation in AOC 3B are presented in Appendix C.

3.6 SUMMARY OF EXCAVATION ACTIVITIES

The following provides a chronological summary of daily activities.

- February 20, 2008: CRA met Focus at the Site to discuss the excavation activities, location of access roads and decontamination areas, schedule of events, and health and safety topics. CRA marked the area to be excavated with flags.
- February 21, 2008: Focus placed temporary orange construction fencing around the marked excavation area to prevent inadvertent trespass into the excavation area. Focus improved the roadways by adding gravel to support the heavy truck and equipment travel required during the excavation activities. Focus also removed brush and small trees from AOC 3B area.
- February 25, 2008: Mr. Riley cleared all utilities in AOC 3B.
- February 27, 2008: Focus excavated approximately 170 linear feet of the drainage ditch starting at the north end.
- February 28, 2008: Focus completed the excavation in AOC 3B by excavating approximately 180 linear feet of drainage ditch. Eight confirmatory soil samples were collected by CRA from AOC 3B after excavating to a depth of approximately 2 feet below the base of the drainage ditch. The eight confirmatory soil samples were sent to Columbia Analytical Services located in Kelso, Washington for analysis of total lead by U.S. EPA Method SW-846 6010B.

- March 5, 2008: CRA received analytical data from Columbia Analytical Services.
- March 6, 2008: Focus pumped water out of the excavated area, and then plugged the two 12" cement pipes that formerly drained into the drainage ditch.
- March 7, 2008: Focus continued pumping water out of the excavated area in preparation for the backfill. Fox Hauling provided 17 loads of backfill soil, and Focus began placing and compacting the backfill soil.
- March 10, 2008: Fox Hauling provided 3 additional loads of backfill soil, and Focus completed compacting the backfill soil in AOC 3B.
- March 12, 2008: The confirmatory soil sampling locations were surveyed by CRA.

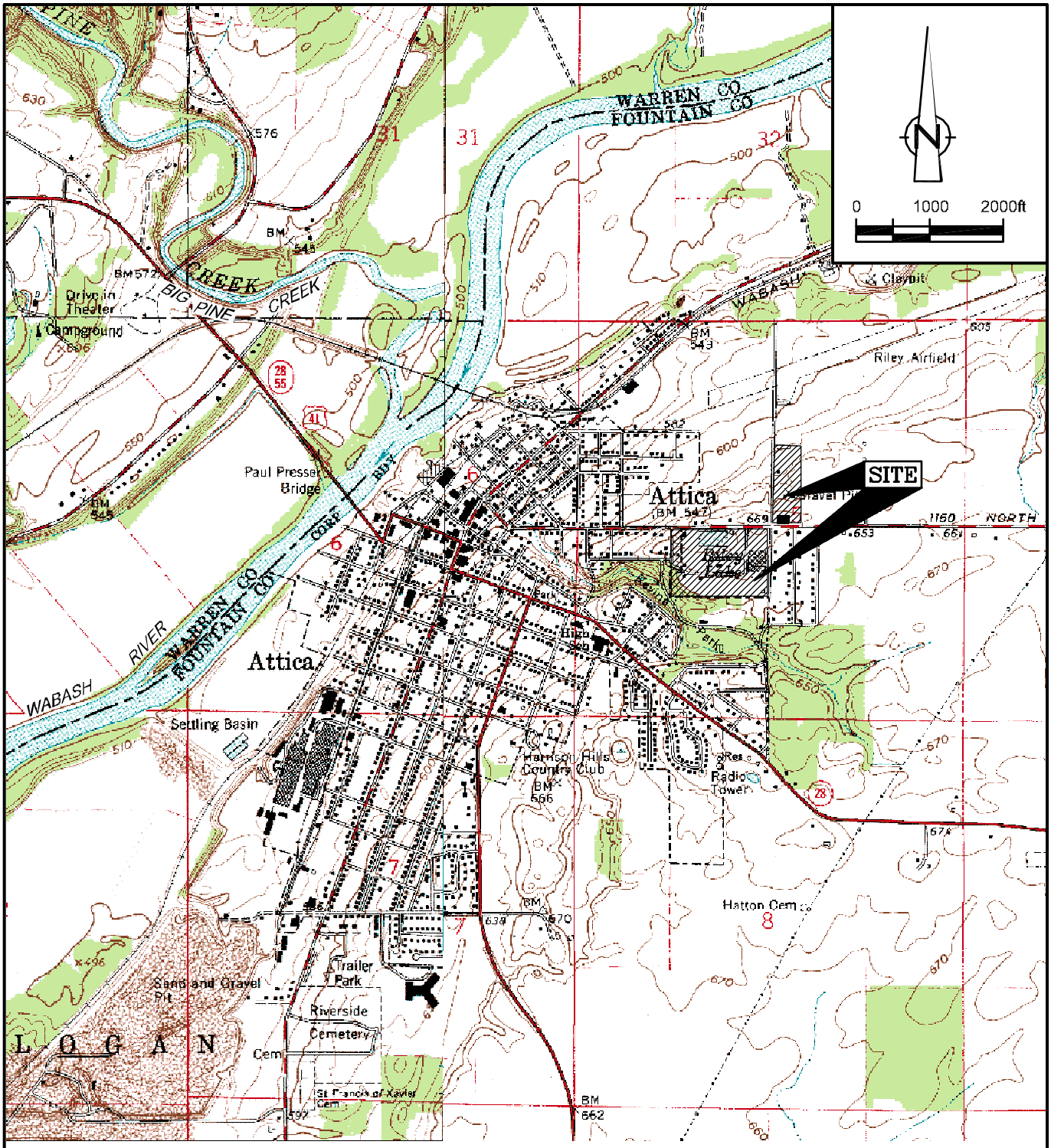
Field book entries with additional information are provided in Appendix D.

4.0 SUMMARY AND CONCLUSION

Based on the findings of the Phase IIB RFI, CRA developed an Interim Corrective Measures (ICMs) Work Plan. The ICMs Work Plan identified the areas of the Site that would be amenable to ICMs, the stabilization technologies selected and the rationale for selection, and the activities required to investigate the technologies and obtain the data and information required to design and implement the stabilization technologies. Limited excavation and off-Site disposal was identified as an ICM that would be applicable to AOC 3B. The objective of the excavation in AOC 3B was to remove soils exhibiting lead concentrations in excess of the U.S. EPA and IDEM direct contact criterion of 400 mg/kg).

To address removal of lead-impacted soil from AOC 3B, CRA submitted the document entitled *Interim Corrective Measures Excavation Work Plan SWMUs 1 and 2 and AOC 3B, Radio Materials Corporation, Attica, Indiana* (CRA 2007), submitted to the U.S. EPA on February 28, 2007 and subsequently approved by the U.S. EPA on March 19, 2007. Activities related to the excavation and off-Site disposal of lead-impacted soil commenced on February 20 and were completed on March 12, 2008. Approximately 351 tons (28 loads) of soil were transported to the HES landfill located in Roachdale, Indiana (IND 980503890) for disposal as non-hazardous industrial waste.

Following completion of excavation activities, eight 3-point composite confirmatory soil samples were collected by CRA from AOC 3B (one composite confirmatory soil sample was collected for every 50 linear feet of the drainage ditch from the top 6 inches of the base of the excavation). Columbia Analytical Services of Kelso, Washington analyzed the soil samples for total lead using U.S. EPA Method SW-846 6010B, consistent with the protocols in the approved QAPP for the Phase IIB RFI. All soil samples were below the 400 mg/kg target cleanup objective for lead. Based on these data, it is concluded that the excavation work achieved the project objective and the excavated area was restored.

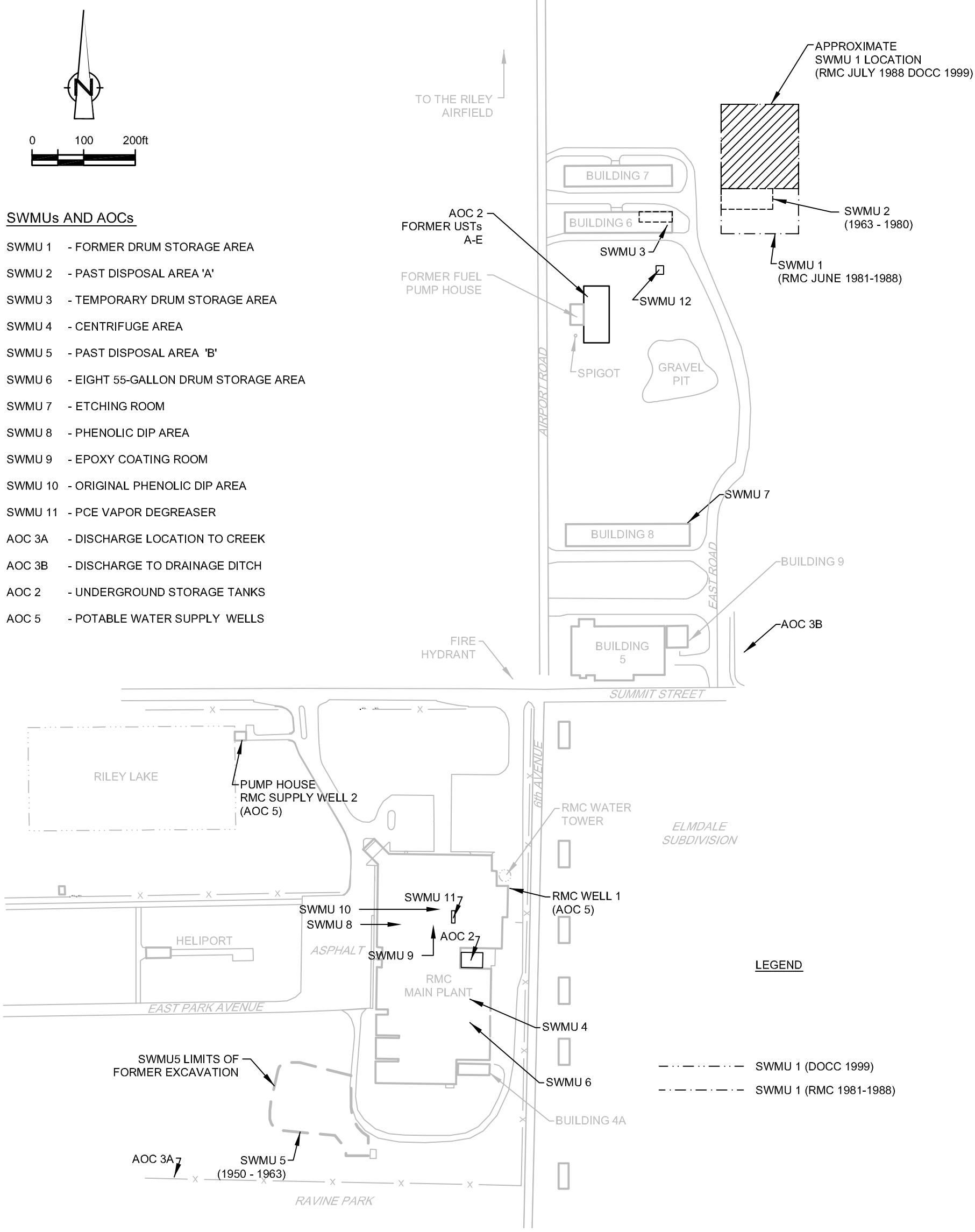


SOURCE: ATTICA AND WILLIAMSPORT, INDIANA
U.S.G.S. TOPOGRAPIC MAPS

figure 1.1

SITE LOCATION
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-10(022)GN-WA001 SEP 19/2008



SWMUs AND AOCs

SWMU 1 - FORMER DRUM STORAGE AREA
SWMU 2 - PAST DISPOSAL AREA 'A'
SWMU 3 - TEMPORARY DRUM STORAGE AREA
SWMU 4 - CENTRIFUGE AREA
SWMU 5 - PAST DISPOSAL AREA 'B'
SWMU 6 - EIGHT 55-GALLON DRUM STORAGE AREA
SWMU 7 - ETCHING ROOM
SWMU 8 - PHENOLIC DIP AREA
SWMU 9 - EPOXY COATING ROOM
SWMU 10 - ORIGINAL PHENOLIC DIP AREA
SWMU 11 - PCE VAPOR DEGREASER
AOC 3A - DISCHARGE LOCATION TO CREEK
AOC 3B - DISCHARGE TO DRAINAGE DITCH
AOC 2 - UNDERGROUND STORAGE TANKS
AOC 5 - POTABLE WATER SUPPLY WELLS

NOTE:

SWMU 1 APPEARS TO HAVE VARIED IN SIZE FROM THE EXTENTS SHOWN IN RMC DRAWINGS (1981 TO 1988) TO THE DOCC REPORT (1999)

SOURCE: PHASE I RFI (2000)

figure 2.1

SITE PLAN WITH SWMUs AND AOCs
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-10(022)GN-WA003 SEP 25/2008

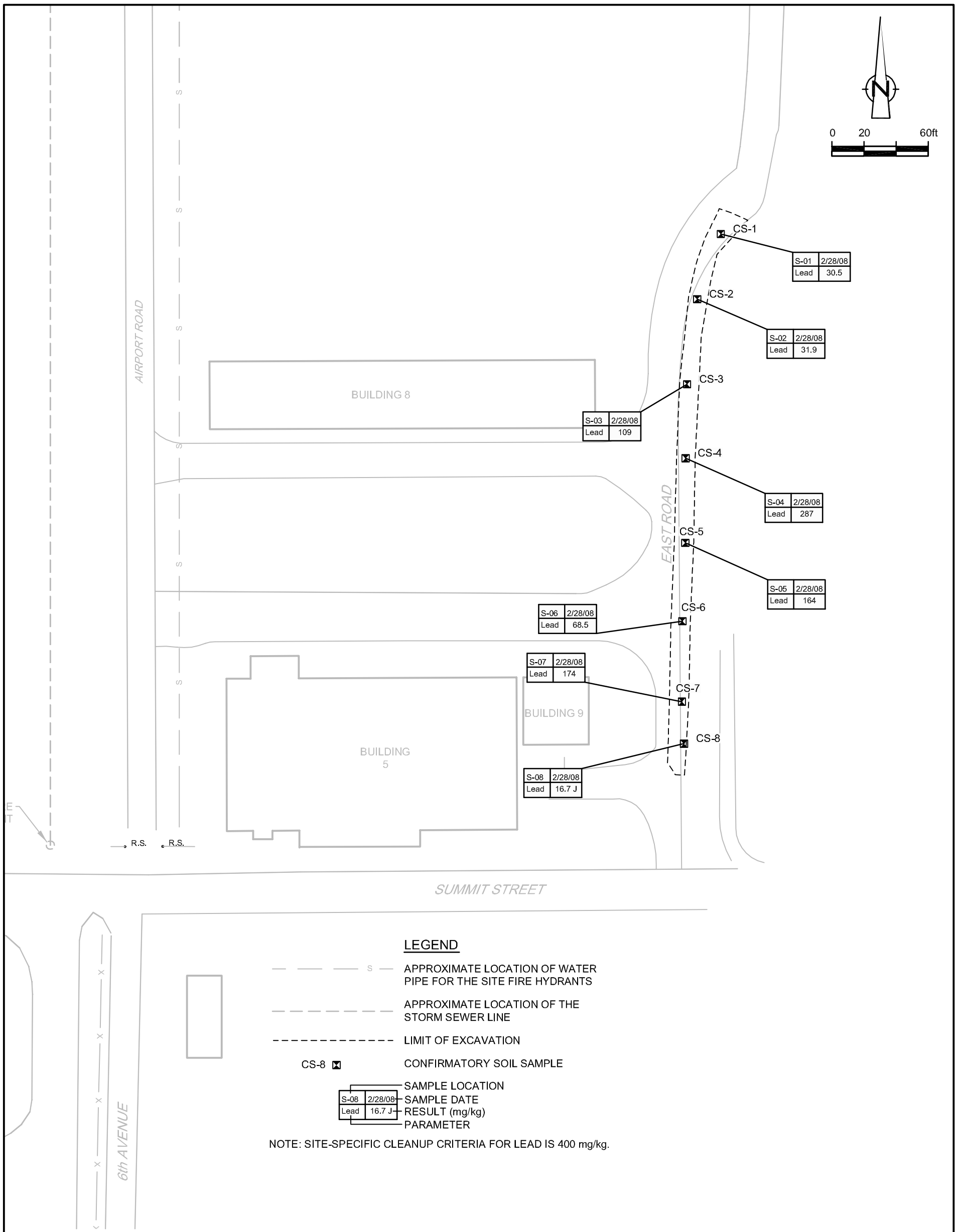


figure 3.1

EXTENT OF EXCAVATION IN AOC 3B
RADIO MATERIALS CORPORATION
Attica, Indiana

19190-10(022)GN-WA002 SEP 19/2008

TABLE 3.1

SUMMARY OF WASTE CHARACTERIZATION DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:	*AOC3B-104*	*AOC3B-104*	*AOC3B-104A*	*AOC3B-104A*	*AOC3B-104A*	*AOC3B-104B*	*AOC3B-104B*	*AOC3B-104C*
Sample Name:	*SS-090204-MG-030*	*SS-090204-MG-031*	*SS-090204-MG-023*	*SS-090204-MG-025*	*SS-090204-MG-024*	*SS-090204-MG-026*	*SS-090204-MG-027*	*SS-090204-MG-028*
Sample Date:	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*
Sample Depth:	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*
					Duplicate			
Parameters								
Metals (mg/kg)								
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Arsenic	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	--	--	843	408	816	712	222	568
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--
Metals - TCLP (mg/L)								
Lead	ND (0.05)	0.07	--	--	--	--	--	--

TABLE 3.1

SUMMARY OF WASTE CHARACTERIZATION DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:	*AOC3B-104C*	*AOC3B-105*	*AOC3B-105*	*AOC3B-105A*	*AOC3B-105A*	*AOC3B-105B*	*AOC3B-105B*
Sample Name:	*SS-090204-MG-029*	*SS-090204-MG-038*	*SS-090204-MG-039*	*SS-090204-MG-032*	*SS-090204-MG-033*	*SS-090204-MG-034*	*SS-090204-MG-035*
Sample Date:	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*
Sample Depth:	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*
Parameters							
Metals (mg/kg)							
Aluminum	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--
Arsenic	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--
Lead	614	--	--	82.5	112	928	362
Magnesium	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--
Mercury	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--
Metals - TCLP (mg/L)							
Lead	--	ND (0.05)	ND (0.05)	--	--	--	--

TABLE 3.1

SUMMARY OF WASTE CHARACTERIZATION DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:	*AOC3B-105C*	*AOC3B-105C*	*AOC3B-106*	*AOC3B-106*	*AOC3B-106A*	*AOC3B-106A*	*AOC3B-106B*
Sample Name:	*SS-090204-MG-036*	*SS-090204-MG-037*	*SS-090204-MG-046*	*SS-090204-MG-047*	*SS-090204-MG-040*	*SS-090204-MG-041*	*SS-090204-MG-042*
Sample Date:	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*
Sample Depth:	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*
Parameters							
Metals (mg/kg)							
Aluminum	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--
Arsenic	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--
Lead	1470	3020	--	--	31	32.2	1590
Magnesium	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--
Mercury	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--
Metals - TCLP (mg/L)							
Lead	--	--	0.11	0.05	--	--	--

TABLE 3.1

SUMMARY OF WASTE CHARACTERIZATION DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:	*AOC3B-106B*	*AOC3B-106C*	*AOC3B-106C*	*AOC3B-107*	*AOC3B-107*	*AOC3B-107A*	*AOC3B-107A*
Sample Name:	*SS-090204-MG-043*	*SS-090204-MG-044*	*SS-090204-MG-045*	*SS-090204-MG-055*	*SS-090204-MG-056*	*SS-090204-MG-048*	*SS-090204-MG-049*
Sample Date:	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*
Sample Depth:	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*
Parameters							
Metals (mg/kg)							
Aluminum	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--
Arsenic	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--
Lead	927	1300	1100	--	--	25	21.5
Magnesium	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--
Mercury	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--
Metals - TCLP (mg/L)							
Lead	--	--	--	ND (0.05)	ND (0.05)	--	--

TABLE 3.1

SUMMARY OF WASTE CHARACTERIZATION DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:	*AOC3B-107B*	*AOC3B-107B*	*AOC3B-107C*	*AOC3B-107C*	*AOC3B-108*	*AOC3B-108*	*AOC3B-108A*	*AOC3B-108A*
Sample Name:	*SS-090204-MG-050*	*SS-090204-MG-051*	*SS-090204-MG-053*	*SS-090204-MG-054*	*SS-090204-MG-064*	*SS-090204-MG-065*	*SS-090204-MG-057*	*SS-090204-MG-058*
Sample Date:	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*
Sample Depth:	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*
Parameters								
Metals (mg/kg)								
Aluminum	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--
Arsenic	--	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--	--
Lead	20.6	15.6	87.3	92.9	--	--	18.9	12.2
Magnesium	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--	--
Mercury	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--
Metals - TCLP (mg/L)								
Lead	--	--	--	--	ND (0.05)	ND (0.05)	--	--

TABLE 3.1

SUMMARY OF WASTE CHARACTERIZATION DATA
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Location:	*AOC3B-108B*	*AOC3B-108B*	*AOC3B-108B*	*AOC3B-108C*	*AOC3B-108C*	*AOC3B-109C*	*AOC3B-109C*
Sample Name:	*SS-090204-MG-059*	*SS-090204-MG-060*	*SS-090204-MG-061*	*SS-090204-MG-062*	*SS-090204-MG-063*	*SS-092404-MG-066*	*SS-092404-MG-067*
Sample Date:	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/2/2004*	*9/24/2004*	*9/24/2004*
Sample Depth:	*0-1 ft btoc*	*1-2 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*1-2 ft btoc*	*0-1 ft btoc*	*0-1 ft btoc*
			Duplicate				*Duplicate*
Parameters							
Metals (mg/kg)							
Aluminum	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--
Arsenic	--	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--
Calcium	--	--	--	--	--	--	--
Chromium Total	--	--	--	--	--	--	--
Cobalt	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--
Iron	--	--	--	--	--	--	--
Lead	112	157	51.8	112	91.1	319	236
Magnesium	--	--	--	--	--	--	--
Manganese	--	--	--	--	--	--	--
Mercury	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--
Potassium	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--
Sodium	--	--	--	--	--	--	--
Thallium	--	--	--	--	--	--	--
Vanadium	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--
Metals - TCLP (mg/L)							
Lead	--	--	--	--	--	--	--

TABLE 3.2

SUMMARY OF TRANSPORTED LOADS OF EXCAVATED SOIL
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Load Number	*Date Shipped*	*Load Weight (lb)*	*Load Weight (ton)*	*Transaction Number*
1	2/27/2008	15,980	7.99	1818023
2	2/27/2008	13,760	6.88	1818024
3	2/27/2008	14,440	7.22	1818025
4	2/27/2008	17,520	8.76	1818026
5	2/27/2008	16,940	8.47	1818027
6	2/27/2008	21,840	10.92	1818028
7	2/27/2008	23,160	11.58	1818029
8	2/27/2008	19,900	9.95	1818030
9	2/27/2008	17,060	8.53	1818031
10	2/27/2008	14,360	7.18	1818032
11	2/27/2008	14,760	7.38	1818033
12	2/27/2008	16,200	8.10	1818034
13	2/27/2008	15,460	7.73	1818035
14	2/27/2008	32,500	16.25	1818036
15	2/27/2008	22,160	11.08	1818037
16	2/27/2008	30,580	15.29	1818860
17	2/27/2008	18,300	9.15	1818861
18	2/27/2008	25,200	12.60	1818862
19	2/28/2008	30,540	15.27	1818863
20	2/28/2008	38,780	19.39	1818864
21	2/28/2008	36,100	18.05	1818865
22	2/28/2008	30,220	15.11	1818866
23	2/28/2008	36,860	18.43	1818867
24	2/28/2008	28,320	14.16	1818868
25	2/28/2008	24,820	12.41	1818869
26	2/28/2008	37,260	18.63	1818910
27	2/28/2008	37,800	18.90	1818911
28	2/28/2008	50,520	25.26	1818912
	Total	***701,340***	***350.67***	

TABLE 3.3

SUMMARY OF CONFIRMATORY SOIL SAMPLES
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Number	*Sample Location*	*Sample Area*	*Matrix*	*Sample Date*	*Sample Time*	*Analyses*
S19190-022808-SJ-01	CS-01	AOC 3B	Soil	2/28/2008	12:00	Total Lead
S19190-022808-SJ-02	CS-02	AOC 3B	Soil	2/28/2008	12:05	Total Lead
S19190-022808-SJ-03	CS-03	AOC 3B	Soil	2/28/2008	12:10	Total Lead
S19190-022808-SJ-04	CS-04	AOC 3B	Soil	2/28/2008	12:15	Total Lead
S19190-022808-SJ-05	CS-05	AOC 3B	Soil	2/28/2008	12:20	Total Lead
S19190-022808-SJ-06	CS-06	AOC 3B	Soil	2/28/2008	12:25	Total Lead
S19190-022808-SJ-07	CS-07	AOC 3B	Soil	2/28/2008	12:30	Total Lead
S19190-022808-SJ-08	CS-08	AOC 3B	Soil	2/28/2008	12:35	Total Lead

TABLE 3.4

LEAD CONCENTRATIONS IN CONFIRMATORY SOIL SAMPLES
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Sample Number	***Sample Location***	***Results*** *(mg/kg)*
S19190-022808-SJ-01	CS-01	30.5
S19190-022808-SJ-02	CS-02	31.9
S19190-022808-SJ-03	CS-03	109
S19190-022808-SJ-04	CS-04	287
S19190-022808-SJ-05	CS-05	164
S19190-022808-SJ-06	CS-06	68.5
S19190-022808-SJ-07	CS-07	174
S19190-022808-SJ-08	CS-08	16.7

Site Specific Target Cleanup Objective For Lead (mg/kg) = 400

Abbreviations:
mg/kg - milligrams per kilogram

APPENDIX A

WASTE REGULATORY RECORDS FOR THE LEAD IMPACTED SOIL FROM AOC 3B

CRA Waste Services Group

6520 Corporate Drive
Indianapolis, Indiana 46278
Telephone: (317) 291-7007 Fax: (317) 328-2666
www.CRAworld.com

MEMORANDUM

TO: Richard Shepherd REF. NO.: 019190

FROM: Amanda Gruesbeck/SL/116 DATE: 04/07/08

C.C.: Steve Wanner

RE: **Regulatory Records for Lead Impacted Soil Disposal Area AOC3B**

This summary is for: ☒ Waste Pick-up/ Disposal ☒ Price Quote/ Estimate

GENERATOR/ SITE INFORMATION

Name: Radio Materials Corporation

Location: 1095 East Summit Avenue
Attica, IN 47918

DISPOSAL COST INFORMATION

Total Disposal: $9,962.20 per 350.67 tons

Date Invoice Approved: 04/07/08

SHIPPING INFORMATION

Disposal Vendor: Heritage Environmental Services

Transportation Vendor: Fox Hauling

Manifest No: see attachments

Ship Date: 02/27 and 02/28/08

Manifest Received Date: 03/11/08

DISPOSAL FACILITY INFORMATION

Facility: Heritage Environmental Services, LLC

Location: 4370 W. County Rd. 1275 N.
Roachdale, IN 46172

Received Date: 02/28/08

WASTESTREAM INFORMATION

Wastestream Names: Lead Impacted Soil

Vendor Approval No: 117824-60

WSG Tracking No: 019190-**-WSG-012908-001

ATTACHMENTS

Waste Manifest/ Bill of Lading ☒

Vendor Profile Form ☒

Analytical Data ☒

Vendor Invoice ☒

Certificate of Destruction (COD) ☐

EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

REGISTERED COMPANY FOR ISO 9001 ENGINEERING DESIGN

HERITAGE ENVIRONMENTAL SERVICES, LLC
WASTESTREAM SURVEY FORM
(877)436-8778
www.heritage-enviro.com
Please review instructions before completing this form.

Heritage Use Only	
Quote #:	WS#:
Product Code:	Price:

Preferred TSD Location *:	Charlotte,NC ☐	Coolidge, AZ ☐	Indianapolis, IN ☐	Kansas City, MO ☐	Roachdale, IN-- Hazardous Landfill ☐ Roachdale, IN-- Non-Hazardous Landfill ☒
Service Location *:	Albany, NY ☐	Blaine, MN ☐	East Liverpool, OH ☐	Hammond, IN ☐	Lemont, IL ☐
	Louisville, KY ☐	Signal Hill, CA ☐	St. Louis, MO ☐	Toledo, OH ☐	Tulsa, OK ☐

1. GENERATOR INFORMATION (Heritage#)*

Generator Name	Radio Materials Corporation
Address	1095 East Summit Street
City, State, Zip	Attica, IN 47918
Tech. Contact Name	Joe Riley
Phone (765) 762-6175	Fax Na
24 Hour Emergency Number	NA
E-mail Address	
US EPA ID Number	IND005477021
State ID Numbers	
Status	LQG ☒ SQG ☐ CESQG ☐ Non-hazardous ☐

2. BILLING INFORMATION (Heritage #)*

Customer Name	Conestoga-Rovers & Associates
Address	6520 Corporate Drive
City, State, Zip	Indianapolis, IN 46278
Contact Name	Amanda Gruesbeck
Phone (317) 291-7020	Fax (317) 328-2666
E-mail Address	

3. MANIFEST MAIL ADDRESS *(If different from generator)*

Contact Name	Joe Riley
Company Name	Radio Materials Corporation
Address	1095 East Summit Street
City, State, Zip	Attica, IN 47918

4. Generator SIC Code 3675	If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes ☐ No ☐	If 28__, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year?

5. Common Name Lead Impacted Soil

6. Process Generating Waste Remediation of past contamination

7. DOT Description * (*if available*)
Non-DOT/ Non-RCRA regulated material

8.	Identify US EPA waste codes none	
9.	If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes☐ No☐ NA☒ If yes, list in Section 13.	
10.	If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.	
11.	US EPA Form Code * W409	US EPA Source Code * G49
12.	Identify state waste codes none	

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. **Total composition must equal or exceed 100%.**

Constituents	Range	Units	UHC?	F-Listed?
Soil	99-100	%	Yes ☐	Yes ☐
* Lead TCLP = Non detect			Yes ☐	Yes ☐
			Yes ☐	Yes ☐
			Yes ☐	Yes ☐
			Yes ☐	Yes ☐
			Yes ☐	Yes ☐
			Yes ☐	Yes ☐

14.	Color brown	Appearance solid	Odor none

15. 15a. Chemical Properties

Flash Point (F°)	< 100 ☐	BTU/lb	< 2,000 ☒	
	100-140 ☐		2,000-6,000 ☐	
	141-200 ☒		6,000-10,000 ☐	
	> 200 ☐		> 10,000 ☐	
Boiling Point (F°)	< 100 ☐	pH Range	5-9	
	> 100 ☒			

15b. Physical Properties at 70°F

Solid ☒	Free Liquids?	Yes ☐ No ☒
Liquid ☐	Will waste dump out of drums?	Yes ☒ No ☐
Sludge ☐	Is the waste pumpable?	Yes ☐ No ☒
Semi-solid ☐	Debris?(List type in Section 13)	Yes ☐ No ☒
Powder ☐	Is the waste dusty?	Yes ☐ No ☒
Gas ☐		

% Solids 100 | % Liquids 0

Note: * These sections will be completed by Heritage if left blank.

Common Name (same as Item #5): Lead Impacted Soil

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

16a.

Aerosols	☐	Medical	☐
Air Reactive	☐	Metal Fines	☐
Asbestos	☐	Metal Powders	☐
Autoignitable	☐	Oxidizer	☐
Biological	☐	Pathogen	☐
Carcinogen	☐	Pesticide	☐
Chelating Agents	☐	Polymerizable	☐
Compressed Gas	☐	Pyrophoric	☐
Dioxins	☐	Radioactive	☐
Etiological	☐	Sanitary	☐
Explosive	☐	Shock Sensitive	☐
Herbicides	☐	Spontaneously Combustible	☐
Infectious	☐	Water Reactive	☐
Insecticide	☐		
Lab Pack	☐		

16b.
Used oil? (per 40 CFR 279) Yes ☐ No ☒
Used oil mixed with hazardous waste? Yes ☐ No ☐
Total Halogens (TX) concentration? < 1000 PPM ☐ > 1000 PPM ☐

16c.
PCBs? (per 40 CFR 761) Yes ☐ No ☒
If yes, PCB concentration? < 50 PPM ☐ > 50 PPM ☐
Greater than 50 PPM source? Yes ☐ No ☐

16d.
Does this material require any special handling? Yes ☐ No ☒
If yes, explain: _____

16e.
Volatile Organic Compound > 500 PPM? Yes ☐ No ☒
Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes ☐ No ☒

16f.
Do any exclusions/exemptions apply? Yes ☐ No ☒
If yes, note the exclusion/exemption: _____

16g.
Generated from electroplating process? Yes ☐ No ☐

16h. Additional Comments: _____

17. Transporter: Heritage Transport ☐ Other ☒ (Complete below)

Transporter Name: Fox Hauling and Conveying, Inc.
Address: _____
City, State, Zip: _____
Contact/Phone: _____
US EPA ID No. _____

18. Packaging:		Size:	19. Volume:
Bulk Liquid	☐		
Bulk Solid	☒	DT	
Cu Yd Bag/Box	☐		300 yd/Year
Cylinder	☐		
Drum	☐		20 yd/Shipment
Tote (Metal)	☐		
Tote (Poly)	☐		

20. Check or List Attachments: Lab Data ☒ MSDS ☐ Cylinder Form ☐ Packing List ☐ Other (list) ☐

21. **CERTIFICATION** *Sign and date the certification.*

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature: [signature] Date: 2/11/2008 Company: Radio Materials Corporation

22. **COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)**

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes ☐ No ☒

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes ☐ No ☒

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

D001 (Ignitability)	GK	TCLP VOLATILES		TCLP SEMI-VOLATILES		D038 Pyridine	GK
D002 (Corrosivity)	GK	D018 Benzene	GK	D023 o-Cresol	GK	D041 2,4,5-Trichlorophenol	GK
D003 (Reactivity)	GK	D019 Carbon Tetrachloride	GK	D024 m-Cresol	GK	D042 2,4,6-Trichlorophenol	GK
TCLP METALS		D021 Chlorobenzene	GK	D025 p-Cresol	GK	HERBICIDES & PESTICIDES	
D004 Arsenic	LD	D022 Chloroform	GK	D026 Cresol	GK	D012 Endrin	GK
D005 Barium	LD	D028 1,2 –Dichloroethane	GK	D027 1,4-Dichlorobenzene	GK	D013 Lindane	GK
D006 Cadmium	LD	D029 1,1-Dichloroethylene	GK	D030 2,4-Dinitrotoluene	GK	D014 Methoxychlor	GK
D007 Chromium	LD	D035 Methyl Ethyl Ketone	GK	D032 Hexachlorobenzene	GK	D015 Toxaphene	GK
D008 Lead	LD	D039 Tetrachloroethylene	GK	D033Hexachlorobutadiene	GK	D016 2,4-D	GK
D009 Mercury	LD	D040 Trichloroethylene	GK	D034 Hexachloroethane	GK	D017 2,4,5-TP(Silvex)	GK
D010 Selenium	LD	D043 Vinyl Chloride	GK	D036 Nitrobenzene	GK	D020 Chlordane	GK
D011 Silver	LD			D037 Pentachlorophenol	GK	D031 Heptachlor	GK

Material Information Summary

Waste Stream #: 117824 - 60 — Needs to be written on the top of the drum.

Waste Description: LEAD IMPACTED SOIL

Prod/Proc/Matrix: 212

Facility: HERITAGE ENVIRONMENTAL SERVICES, LLC - ROACHDALE, IN

DOT Haz Class: None — **Container Type:** BULK

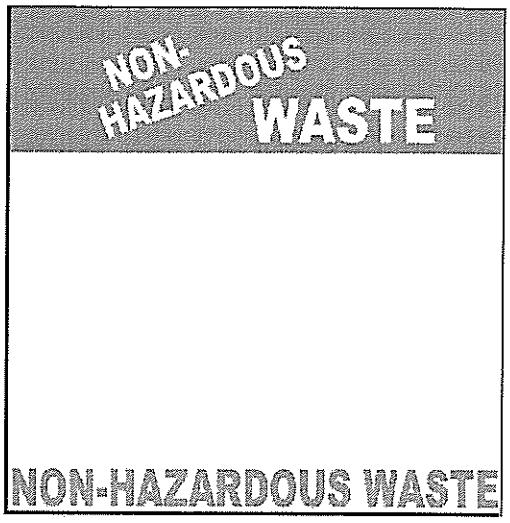
UN/NA Number: None — **Packing Group:** NA

DOT Description: NON-DOT/NON-RCRA REGULATED

Waste Codes: NA

DOT Diamond

Waste Label**



**May not be the exact same waste label.

For lab packs, packing envelope with content form should be applied to the side of the drum on the top 1/3, next to the DOT diamond and waste label.

HERITAGE

Quotation Approval for LEAD IMPACTED SOIL

Your Account Contact(s)

KEVIN HARVEY (317)486-2895
kevin.harvey@heritage-enviro.com

BILLIE DZUNDA (877)381-2341 x6841
billie.dzunda@heritage-enviro.com
FAX: (317)390-3134

www.heritage-enviro.com

To Schedule Call (877)381-2341

Quote #462867-1
Wastestream #117824-60
Effective 21-FEB-08

HERITAGE ENVIRONMENTAL SERVICES, LLC is pleased to offer you the following quotation for requested services:

GENERATOR	SHIP TO	TRANSPORTER	BILL TO
Reference #117824 RADIO MATERIALS CORPORATION 1095 E. SUMMIT AVENUE ATTICA, IN 47918 EPA ID: IND005477021	Reference #15524 HERITAGE ENVIRONMENTAL SERVICES, LLC 4370 W COUNTY ROAD 1275 N ROACHDALE, IN 46172 EPA ID:	Reference #11064 FOX HAULING & CONSTRUCTION 2887 STATE ROAD 25 N LAFAYETTE, IN 47905 EPA ID:	Reference #77455 CONESTOGA-ROVERS & ASSOC. SEAN GRADY 6520 CORPORATE DRIVE INDIANAPOLIS, IN 46278

PRICE SUMMARY

The price summary in this section represents applicable management and freight components for LEAD IMPACTED SOIL. If freight is applicable, it may appear as a separate component or be rolled into one price. The price summary represents the primary condition(s) for which we expect to receive this material, including delivery method, packaging, and chemical and physical characteristics. Additional charges may apply that are not reflected in this section, and can be found in other portions of this document.

Product Code		Container Type		Amount / Unit(s)
A. 212-1206-10	SUBD HES LANDFIL BLK SUB D SOLIDS FOR SUBTITLE D LANDFILL	NA	DISPOSAL	$23.00 / TON

MINIMUMS, TAXES, AND FEES

Product Code	Type	Item (Code)	Container Size	Container Type	Amount / Unit(s)
A. 212-1206-10	Minimum Fee, Tax	DISPOSAL			$300.00 / Wastestream
		ENERGY SURCHARGE			4 %

BUSINESS CONFIDENTIAL

REGULATORY INFORMATION

Shipping Description: NON-DOT/NON-RCRA REGULATED

Generating Process: REMEDIATION OF PAST CONTAMINATION

Form Code: W409 **Source Code:** G49

Hazard Codes

Federal: NONE
State: NONE

Product Code	Management Method Code	Manifest Handling Code(s)
A. 212-1206-10	H132	H132

QUOTE ACKNOWLEDGEMENT

Quote # 462867-1
Wastestream # 117824-60
Generator RADIO MATERIALS CORPORATION
ATTICA, IN 47918

If you are using Heritage or VonRoll WTI as your TSD, we are hereby notifying you that we have the appropriate permits for and will accept the waste you have been approved to ship (40CFR264.12(b), 329 IAC 3.1-9-1, and OAC 3745-54-12(B)). Heritage and VonRoll WTI will provide transportation, treatment, storage, recovery, and/or disposal of your waste as applicable. Your waste will be managed as such at Heritage, Von Roll WTI, or a Heritage/Von Roll WTI approved third party facility. All work will be performed in accordance with federal, state and local regulations. This quotation is based on information provided to Heritage and VonRoll WTI on the wastestream survey/waste profile form. Signature of acceptance below confirms agreement with the prices set forth above. This quotation form must be signed and returned before service can be rendered. Any material in non-conformance with respect to parameters established during profiling may incur additional treatment/handling fees.

Signature/Date

Purchase Order No./Effective Until

Invoices shall be payable upon receipt. Company may suspend services, without liability, until all past due amounts have been paid. All outstanding balances remaining unpaid thirty (30) days after the invoice date shall be subject to interest at the rate of 1.5 percent per month, or the maximum permissible under applicable law, whichever is less, starting from the invoice date and continuing until paid in full. Additional payment terms can be found in "Terms of Quotation".

PLEASE RETURN AN ACKNOWLEDGEMENT OF THIS QUOTATION.

Postal mail, email, and fax acknowledgements are all acceptable as long as they reference the applicable quotation number(s). For an acknowledgement by postal mail, you may use this acceptance page in conjuction with the address window cover sheet on the last page and enclosed envelope. For an acknowledgement by email or fax, please refer to the "Your Account Contact(s)" portion at the beginning of this quotation.

TERMS OF QUOTATION

For purposes of this document, "Company" is the entity issuing this Quotation, and its related contents, as referenced by the numerical quote designation in the header section of this page. "Customer" is the entity referenced in the "BILL TO" portion on Page 1 of this Quotation.

1. REMOVAL AND DISPOSAL OF INDUSTRIAL WASTE.
1.1 Description and/or Composition of Waste. A description of the waste, as represented by Customer to be managed by Company, is set forth in the Wastestream Survey submitted by Customer. Customer warrants that data set forth in the Wastestream Survey are true, accurate and complete. In instances where the Generator is not the Customer, the Generator must sign the Wastestream Survey as warranty of the document's completeness and accuracy.

1.2 Loading of Waste Materials. For safety purposes, Customer or its responsible agent shall be present during the pumping of the waste into vehicles provided by Company or its agent. For containerized wastes, Customer must load the containers onto Company's or its agent's vehicles.

1.3 Change in Composition of Waste. Customer warrants that all waste submitted under the terms of this Quotation shall conform to the description and/or composition of the waste described in the Wastestream Survey, and that no change shall be made in such waste without prior written notice to and approval by Company. Customer agrees to indemnify, defend and hold Company and its subsidiaries and their respective officers, directors and employees harmless from any liability or loss arising from, caused by or otherwise related to the negligence or willful misconduct of Customer or its directors, officers, employees or agents, including but not limited to the failure of any waste to conform to the Wastestream Survey. Any material change of waste will be considered to represent a different waste subject to revised pricing. In addition, Company retains the right to reject all or part of any waste shipment due to non-conformance, unresolved payment issues, or any other circumstance that might place Company in jeopardy, either from the standpoint of regulatory compliance or financial loss.

2. FEE AND CHARGES.
2.1 Price Commitment. All prices set forth in this Quotation shall be valid for thirty (30) days from the date displayed next to "Effective" on Page 1 of this Quotation.

2.2 Additional Charges. Customer shall reimburse Company its reasonable expenses and charges for handling, analyzing, loading, preparing, transporting, storing or caring for nonconforming waste, including the costs of decontamination and cleaning of equipment, in addition to any other charges under this Quotation.

3. PAYMENT TERMS. If attorney or collection services are required to collect an outstanding balance, in addition to principal and interest already owed, Customer would be liable for attorney fees, collection expenses, and court costs incurred by Company in collecting this outstanding balance. It is clearly understood by all parties concerned that Company reserves the right to exercise all lien options available, as prescribed by law. Company is not a construction contractor and, consequently, Customer will make payment for services rendered without Company providing waivers of lien or subjecting outstanding balances to retainage.

4. FORCE MAJEURE. Any delay or failure of Company in the performance of its obligations shall be excused if and to the extent caused by acts of God, strike, fire, flood, windstorm, explosion, riot, war, sabotage, or other cause or causes beyond its reasonable control.

5. TEMPORARY STORAGE UNIT RENTALS. The placement of storage tank(s), rolloff box(es), or other units at Customer's service site in consideration of the monthly rental fee specified in the Quotation shall be subject to the following conditions:

5.1 Damage. Following inspection and acceptance of temporary storage unit(s) by the Customer or its agent at Customer's service site, Customer will assume full responsibility for subsequent damage to the temporary storage unit(s) and any resultant drips, spills, or leaks and the consequences thereof.

5.2 Permits. Customer will be responsible for acquiring permit(s) and/or developing and implementing plan(s) and documents which may be required by regulatory agencies related to Customer's use of temporary storage unit(s).

5.3 Spill Protection. Customer will be responsible for properly diking any temporary storage unit(s) and for the integrity of any connected pipes, pumps, etc.

6. FREIGHT.
6.1 Dispatch. Customer must notify Company, at least one day in advance of any request for shipment. Long distance shipments (greater than 500 miles round trip) require additional notification time of at least two days.

6.2 Containers. Waste materials shipped in containers must be clearly labeled in accordance with State and Federal requirements to identify their contents, and must be undamaged and free of leakage.

6.3 Alternate Shipper. Where Customer provides for transportation, the hauler must have on file at Company all appropriate licenses, permits, insurance, and proper equipment. Company reserves the right to reject any load if the hauler does not meet these requirements. These loads must also be scheduled through Company.

7. INDEMNIFICATION. Customer agrees to indemnify, save harmless and defend Company from and against any and all claims, liabilities, penalties, suits, forfeitures, and the costs and expenses incident thereto, (including costs of defense, settlement and reasonable attorneys' fees), which may hereafter incur, become responsible for or pay out as a result of bodily injury or death to any person, destruction or damage to any property, contamination or adverse effects on the environment, or any violation of governmental regulations, laws, or orders, to the extent caused by (a) any negligent or willful act or omission of Customer, its employees or subcontractors in the performance of services for this Quotation; or (b) Customer's breach of any term or provision of this Quotation or Terms of Quotation.

8. ENTIRE AGREEMENT. In the absence of an executed contract, the entire agreement is contained herein. There are no other promises, representations, or warranties affecting this Quotation, and any other or different terms or conditions in any purchase orders issued by Customer shall be deemed null and void and shall not apply to Company's services.

9. ACCEPTANCE OF SERVICE. Acceptance of any service under this Quotation shall constitute an unconditional acceptance of these **TERMS OF QUOTATION.**

GENERATOR INFORMATION

Name:	RADIO MATERIALS CORPORATION		
Address (site):	1095 E. SUMMIT AVENUE ATTICA, IN 47918		
Address (mail):	Same		
US EPA ID:	IND005477021	**State ID:**	
Regulatory Status:	EXEMPT		
Technical Contact:	JOE RILEY	**Phone:**	(765)762-6175

WASTESTREAM INFORMATION - GENERAL

Common Name:	LEAD IMPACTED SOIL
Waste Class:	-
Generating Process:	REMEDIATION OF PAST CONTAMINATION
EPA Source Code:	G49 - OTHER REMEDIATION (SPECIFY IN COMMENTS)
EPA Form Code:	W409 - OTHER ORGANIC SOLIDS (SPECIFY IN COMMENTS)
Physical State @ 70F:	SOLID
Odor:	NONE
Color:	BROWN
Density:	LB/GAL
Estimated Annual Volume:	

MANAGEMENT SYSTEM ASSIGNMENTS

TSD#	Product Code - Desc	Put Away Area	Process System - Desc	Cont Type
15524	212 SUBD HES LANDFIL BLK		220 ROACHDALE SUBTITLE D LANDFILL	

EPA HAZARD CODES

None specified

STATE HAZARD CODES

None Specified

SAFETY INFORMATION

HMIS Information	Description
HEALTH	-
FLAMMABLE	-
REACTIVE	-
PPE	-

* = Carcinogen
@ = Water Reactive

COMMENTS

Type	Text

TRANSPORTATION INFORMATION

Shipping Description: NON-DOT/NON-RCRA REGULATED

Label Codes:

COMMENTS

Type	Text

CHEMICAL CONSTITUENTS

Using specific chemical names, list all constituents present in the wastestream. Attach available analyses or Material Safety Data Sheets (MSDSs). **Total composition must equal or exceed 100%.**

TYPE - GENERATOR

Constituents	Range	Result	Units	CAS#	EHS	ID#	Date
BOILING POINT		>100	DEGREES F				21-FEB-08
FLASH POINT		>200	DEGREES F				21-FEB-08
HEAT OF COMBUSTION		<2000	BTU/LB				21-FEB-08
LEAD TCLP		0.11	MG/L				21-FEB-08
PH		5-9	STD. UNITS				21-FEB-08
SOIL		99-100	PERCENT				21-FEB-08

EHS - Extremely Hazardous Substance
CAS - Chemical Abstracts Service

TABLE

ANALYTICAL SOIL RESULTS SUMMARY
RADIO MATERIALS CORPORATION FACILITY
ATTICA, INDIANA
AUGUST/SEPTEMBER 2004

Sample Location		AOC3B-104 Composite	AOC3B-104 Composite	AOC3B-104A	AOC3B-104A	AOC3B-104A	AOC3B-104B	AOC3B-104B	AOC3B-104C	AOC3B-104C	AOC3B-105 Composite	AOC3B-105 Composite
Sample Depth		0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc
Sample ID		SS-090204-MG-030	SS-090204-MG-031	SS-090204-MG-023	SS-090204-MG-024	SS-090204-MG-025	SS-090204-MG-026	SS-090204-MG-027	SS-090204-MG-028	SS-090204-MG-029	SS-090204-MG-038	SS-090204-MG-039
Sample Date		9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004
Sample Type		Orig	Orig	Orig	Dupl.	Orig	Orig	Orig	Orig	Orig	Orig	Orig
Initial/Reanalysis		initial	initial	initial	initial	initial	initial	initial	initial	initial	initial	initial
Composite Description		AOC3B-104A/B/C	AOC3B-104A/B/C								AOC3B-105A/B/C	AOC3B-105A/B/C
Metals												
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	813	816	408	712	222	568	614	--	--
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals - TCLP												
Lead	mg/L	ND (0.05)	0.07	--	--	--	--	--	--	--	ND (0.05)	ND (0.05)

TABLE

ANALYTICAL SOIL RESULTS SUMMARY
RADIO MATERIALS CORPORATION FACILITY
ATTICA, INDIANA
AUGUST/SEPTEMBER 2004

Sample Location		AOC3B-105A	AOC3B-105A	AOC3B-105B	AOC3B-105B	AOC3B-105C	AOC3B-105C	AOC3B-106 Composite	AOC3B-106 Composite	AOC3B-106A	AOC3B-106A	AOC3B-106B
Sample Depth		0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc
Sample ID		SS-090204-MG-032	SS-090204-MG-033	SS-090204-MG-034	SS-090204-MG-035	SS-090204-MG-036	SS-090204-MG-037	SS-090204-MG-046	SS-090204-MG-047	SS-090204-MG-040	SS-090204-MG-041	SS-090204-MG-042
Sample Date		9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004
Sample Type		Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig
Initial/Reanalysis		initial	initial	initial	initial	initial	initial	initial	initial	initial	initial	initial
Composite Description								AOC3B-106A/B/C	AOC3B-106A/B/C			
Metals												
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	82.5	112	924	362	1470	3020	--	--	31	32.2	1590
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals - TCLP												
Lead	mg/L	--	--	--	--	--	--	0.11	0.15 B	--	--	--

TABLE

ANALYTICAL SOIL RESULTS SUMMARY
RADIO MATERIALS CORPORATION FACILITY
ATTICA, INDIANA
AUGUST/SEPTEMBER 2004

Sample Location		AOC3B-106B	AOC3B-106C	AOC3B-106C	AOC3B-107 Composite	AOC3B-107 Composite	AOC3B-107A	AOC3B-107A	AOC3B-107B	AOC3B-107B	AOC3B-107C	AOC3B-107C
Sample Depth		1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc
Sample ID		SS-090204-MG-043	SS-090204-MG-044	SS-090204-MG-045	SS-090204-MG-055	SS-090204-MG-056	SS-090204-MG-048	SS-090204-MG-049	SS-090204-MG-050	SS-090204-MG-051	SS-090204-MG-053	SS-090204-MG-054
Sample Date		9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004
Sample Type		Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig	Orig
Analytical method		initial	initial	initial	initial	initial	initial	initial	initial	initial	initial	initial
Composite Description					AOC3B-107A/B/C	AOC3B-107A/B/C						
Metals												
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cobalt	mg/kg					--	--	--	--	--	--	--
Copper	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	927	1300	1100	--	--	23	21.5	20.6	15.6	87.3	92.9
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals - TCLP												
Lead	mg/L	--	--	--	ND (0.05)	ND (0.05)	--	--	--	--	--	--

TABLE

ANALYTICAL SOIL RESULTS SUMMARY
RADIO MATERIALS CORPORATION FACILITY
ATTICA, INDIANA
AUGUST/SEPTEMBER 2004

Sample Location		AOC3B-105 Composite	AOC3B-105 Composite	AOC3B-105A	AOC3B-105A	AOC3B-105B	AOC3B-105B	AOC3B-105B	AOC3B-105C	AOC3B-105C	AOC3B-109C	AOC3B-109C
Sample Depth		0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	1-2 ft bloc	0-1 ft bloc	1-2 ft bloc	0-1 ft bloc	0-1 ft bloc
Sample ID		SS-090204-MG-064	SS-090204-MG-065	SS-090204-MG-057	SS-090204-MG-058	SS-090204-MG-059	SS-090204-MG-060	SS-090204-MG-061	SS-090204-MG-062	SS-090204-MG-063	SS-092404-MG-066	SS-092404-MG-067
Sample Date		9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/2/2004	9/24/2004	9/24/2004
Sample Type		Orig	Orig	Orig	Orig	Orig	Orig	Dupl.	Orig	Orig	Orig	Dupl.
Initial/Reanalysis		initial	initial	initial	initial	initial	initial	initial	initial	initial	initial	initial
Composite Description		AOC3B-105A/B/C	AOC3B-105A/B/C									
Metals												
Aluminum	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Antimony	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Beryllium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Calcium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Chromium Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Cobalt	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Copper	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Iron	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	--	--	18.9	12.2	112	157	51.8	112	91.1	339	236
Magnesium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Manganese	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Nickel	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Potassium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Sodium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Thallium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Vanadium	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Zinc	mg/kg	--	--	--	--	--	--	--	--	--	--	--
Metals - TCLP												
Lead	mg/L	ND (0.05)	ND (0.05)	--	--	--	--	--	--	--	--	--

1317 South 13th Avenue P.O. Box 479 Kelso, Washington 98626 (360) 577-7222 ph (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

October 7, 2004 Service Request No: K2406713

Michael Richardson
Conestoga-Rovers & Assoc., Inc.
1811 Executive Dr.
Suite O
Indianapolis, IN 46241

RE: RMC Attica, In. / 19190

Dear Michael:

Enclosed are the results of the sample(s) submitted to our laboratory on September 3, 2004. For your reference, these analyses have been assigned our service request number K2406713.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3376.

Respectfully submitted,

Columbia Analytical Services, Inc.

Gregory Salata, Ph.D.
Project Chemist

GS/jeb

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Conestoga-Rovers & Associates, Inc.	**Service Request No.:**	K2406713
Project:	RMC Attica, IN/19190	**Date Received:**	09/03/04
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Forty-two soil samples were received for analysis at Columbia Analytical Services on 09/03/04. The following discrepancies were noted upon initial sample inspection. Sample SS-090204-MG-065 was received broken and unable to contain. Per the client's request, a new replacement for this composite sample was made from SS-090204-MG-058, SS-090204-MG-060, and SS-090204-MG-063. The exceptions are also noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

TCLP Metals/Total Metals

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 10/7/04

Chain of Custody Documentation

12406713

CRA
CONESTOGA-ROVERS & ASSOCIATES
1811 Executive Drive, Suite O
Indianapolis, Indiana 46241 (317) 381-0677

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): CAS P 1/3

REFERENCE NUMBER: 19190

PROJECT NAME: RMC Attica, IN

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Matt Grover

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	No. OF CONTAINERS	Total Pb	TCLP Pb	REMARKS
1	9/2/04	1210	SS-090204-MG-023	Soil	1	X		
2		1212	-024		1			
3		1215	-025		1			
4		1220	-026		1			
5		1223	-027		1			
6		1225	-028		1			
7		1228	-029		1	X		
8		1230	-030		1		X	
9		1233	-031		1		X	
10		1240	-032		1	X		
11		1243	-033		1			
12		1248	-034		1			
13		1251	-035		1			
14		1254	-036		1			
15	9/2/04	1257	SS-090204-MG-037	Soil	1	X		
			TOTAL NUMBER OF CONTAINERS		X			

RELINQUISHED BY: ① [signature]	DATE: 9/2/04 TIME: 1900	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FedEx AIR BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: M. Grover, T. Pierce

RECEIVED FOR LABORATORY BY: Tony Black CAS
DATE: 9/3/04 TIME: 1000

0510

1CC1(FORMS)-OCT 24/96-REV.0-(C)(F-01)

Attachment 4

bulk 6713

CRA
CONESTOGA-ROVERS & ASSOCIATES
1811 Executive Drive, Suite O
Indianapolis, Indiana 46241 (317) 381-0677

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): CAS

p 2/3

REFERENCE NUMBER: 19190

PROJECT NAME: RMC - Attica, IN

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: Matt Grover

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	No. OF CONTAINERS	Total Pb	TCLP Pb	REMARKS
16	9/2/04	1300	SS-090204-MG-038	Soil	1		X	
17		1303	-039		1		X	
18		1310	-040		1	X		
19		1313	-041		1			
20		1315	-042		1			
21		1318	-043		1			
22		1320	-044		1			
23		1322	-045		1	X		
24		1325	-046		1		X	
25		1328	-047		1		X	
26		1335	-048		1	X		
27		1337	-049		1			
28		1340	-050		1			
29		1342	-051		1			
30	9/2/04	1345	SS-090204-MG-052	Soil	1	X		broken
			TOTAL NUMBER OF CONTAINERS		17			

RELINQUISHED BY: ① [signature]	DATE: 9/2/04 TIME: 1900	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: FedEx AIR BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: M. Grover, T. Pranger

RECEIVED FOR LABORATORY BY:

DATE: TIME:

0511

K2406713

CRA
CONESTOGA-ROVERS & ASSOCIATES
1811 Executive Drive, Suite O
Indianapolis, Indiana 46241 (317) 381-0677

CHAIN OF CUSTODY RECORD

SHIPPED TO (Laboratory Name): CAS

P 3/3

REFERENCE NUMBER: 19190

PROJECT NAME: RMC - Attica, IN

SAMPLER'S SIGNATURE: [redacted]

PRINTED NAME: Matt Glover

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE MATRIX	No. OF CONTAINERS	Total Pb	TCLP Pb	REMARKS
31	9/2/04	1347	SS-090204-MG-053	Soil	1	X		
32		1349	-054		1	X		
33		1352	-055		1		X	
34		1355	-056		1		X	
35		1405	-057		2	X		MS/MSD 1 broken
36		1408	-058		1			
37		1411	-059		1			
38		1414	-060		1			
39		1417	-061		1			
40		1419	-062		1			
41		1423	-063		1	X		
42		1425	-064		1		X	
43	9/2/04	1428	SS-090204-MG-065	Soil	1		X	broken
				TOTAL NUMBER OF CONTAINERS	44			

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
① [redacted]	9/2/04	1900	②		
②			③		
③			④		

METHOD OF SHIPMENT: FedEx

AIR BILL No.

White -Fully Executed Copy
Yellow -Receiving Laboratory Copy
Pink -Shipper Copy
Goldenrod -Sampler Copy

SAMPLE TEAM: M. Glover, T. Prasse

RECEIVED FOR LABORATORY BY: Tracy Black

DATE: 9/3/04 TIME: 1155

0512

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC grey

Project/Client CRA Work Order K240

Cooler received on 9/3/04 and opened on 9/3/04 by fp

1. Were custody seals on outside of coolers? Y N
   If yes, how many and where? 5F
2. Were custody seals intact? Y N
3. Were signature and date present on the custody seals? Y N
4. Is the shipper's airbill available and filed? If no, record airbill number: 841307380752 Y N
5. COC#

COC#	0511 0510 0512	0509 0508		
Temperature of cooler(s) upon receipt: (°C)	4.3	0.3	2.0	
Temperature Blank: (°C)	Broken	1.0	1.4	

Were samples hand delivered on the same day as collection? ~~Y N~~

6. Were custody papers properly filled out (ink, signed, etc.)? Y N
7. Type of packing material present Bubble
8. **Did all bottles arrive in good condition (unbroken)?** Y N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y N
10. Did all bottle labels and tags agree with custody papers? Y N
11. **Were the correct types of bottles used for the tests indicated?** Y N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ~~Y N~~
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y N
14. Did the bottles originate from CAS/K or a branch laboratory? Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** ~~Y N~~
16. Was C12/Res negative? ~~Y N~~

Explain any discrepancies: BROKEN: -065 FOR TCLP Pb, -052 FOR TOTAL Pb, -057 FOR TOTAL Pb

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

Total Solids

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga Rovers & Assoc.
Project: RMC Attica, In./19190
Sample Matrix: Soil

Service Request: K2406713

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: WET

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SS-090204-MG-023	K2406713-001	09/02/2004	09/03/2004	09/07/2004	84.8	
SS-090204-MG-024	K2406713-002	09/02/2004	09/03/2004	09/07/2004	83.0	
SS-090204-MG-025	K2406713-003	09/02/2004	09/03/2004	09/07/2004	92.8	
SS-090204-MG-026	K2406713-004	09/02/2004	09/03/2004	09/07/2004	77.5	
SS-090204-MG-027	K2406713-005	09/02/2004	09/03/2004	09/07/2004	82.7	
SS-090204-MG-028	K2406713-006	09/02/2004	09/03/2004	09/07/2004	80.0	
SS-090204-MG-029	K2406713-007	09/02/2004	09/03/2004	09/07/2004	79.2	
SS-090204-MG-030	K2406713-008	09/02/2004	09/03/2004	09/07/2004	74.4	
SS-090204-MG-031	K2406713-009	09/02/2004	09/03/2004	09/07/2004	83.5	
SS-090204-MG-032	K2406713-010	09/02/2004	09/03/2004	09/07/2004	86.0	
SS-090204-MG-033	K2406713-011	09/02/2004	09/03/2004	09/07/2004	69.4	
SS-090204-MG-034	K2406713-012	09/02/2004	09/03/2004	09/07/2004	69.9	
SS-090204-MG-035	K2406713-013	09/02/2004	09/03/2004	09/07/2004	84.1	
SS-090204-MG-036	K2406713-014	09/02/2004	09/03/2004	09/07/2004	83.6	
SS-090204-MG-037	K2406713-015	09/02/2004	09/03/2004	09/07/2004	84.3	
SS-090204-MG-038	K2406713-016	09/02/2004	09/03/2004	09/07/2004	86.5	
SS-090204-MG-039	K2406713-017	09/02/2004	09/03/2004	09/07/2004	78.9	
SS-090204-MG-040	K2406713-018	09/02/2004	09/03/2004	09/07/2004	78.5	
SS-090204-MG-041	K2406713-019	09/02/2004	09/03/2004	09/07/2004	84.8	
SS-090204-MG-042	K2406713-020	09/02/2004	09/03/2004	09/07/2004	67.5	
SS-090204-MG-043	K2406713-021	09/02/2004	09/03/2004	09/07/2004	83.9	
SS-090204-MG-044	K2406713-022	09/02/2004	09/03/2004	09/07/2004	69.1	
SS-090204-MG-045	K2406713-023	09/02/2004	09/03/2004	09/07/2004	87.6	
SS-090204-MG-046	K2406713-024	09/02/2004	09/03/2004	09/07/2004	73.1	
SS-090204-MG-047	K2406713-025	09/02/2004	09/03/2004	09/07/2004	86.3	
SS-090204-MG-048	K2406713-026	09/02/2004	09/03/2004	09/07/2004	88.8	
SS-090204-MG-049	K2406713-027	09/02/2004	09/03/2004	09/07/2004	78.5	
SS-090204-MG-050	K2406713-028	09/02/2004	09/03/2004	09/07/2004	74.2	
SS-090204-MG-051	K2406713-029	09/02/2004	09/03/2004	09/07/2004	70.9	
SS-090204-MG-053	K2406713-030	09/02/2004	09/03/2004	09/07/2004	84.5	
SS-090204-MG-054	K2406713-031	09/02/2004	09/03/2004	09/07/2004	78.3	
SS-090204-MG-055	K2406713-032	09/02/2004	09/03/2004	09/07/2004	90.4	
SS-090204-MG-056	K2406713-033	09/02/2004	09/03/2004	09/07/2004	88.4	
SS-090204-MG-057	K2406713-034	09/02/2004	09/03/2004	09/07/2004	87.0	
SS-090204-MG-058	K2406713-035	09/02/2004	09/03/2004	09/07/2004	90.1	
SS-090204-MG-059	K2406713-036	09/02/2004	09/03/2004	09/07/2004	84.7	
SS-090204-MG-060	K2406713-037	09/02/2004	09/03/2004	09/07/2004	90.1	
SS-090204-MG-061	K2406713-038	09/02/2004	09/03/2004	09/07/2004	92.9	
SS-090204-MG-062	K2406713-039	09/02/2004	09/03/2004	09/07/2004	91.0	
SS-090204-MG-063	K2406713-040	09/02/2004	09/03/2004	09/07/2004	89.5	
SS-090204-MG-064	K2406713-041	09/02/2004	09/03/2004	09/07/2004	91.5	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Conestoga Rovers & Assoc.	**Service Request:**	K2406713
Project:	RMC Attica, In./19190	**Date Collected:**	09/02/2004
Sample Matrix:	Soil	**Date Received:**	09/03/2004
		Date Analyzed:	09/07/2004

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	WET
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SS-090204-MG-023	K2406713-001	84.8	84.0	84.4	<1	

00013

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Conestoga Rovers & Assoc.	**Service Request:**	K2406713
Project:	RMC Attica, In./19190	**Date Collected:**	09/02/2004
Sample Matrix:	Soil	**Date Received:**	09/03/2004
		Date Analyzed:	09/07/2004

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	WET
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SS-090204-MG-032	K2406713-010	86.0	85.8	85.9	<1	

00014

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Conestoga Rovers & Assoc.	**Service Request:**	K2406713
Project:	RMC Attica, In./19190	**Date Collected:**	09/02/2004
Sample Matrix:	Soil	**Date Received:**	09/03/2004
		Date Analyzed:	09/07/2004

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	WET
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SS-090204-MG-042	K2406713-020	67.5	68.9	68.2	2	

00015

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Conestoga Rovers & Assoc.	**Service Request:**	K2406713
Project:	RMC Attica, In./19190	**Date Collected:**	09/02/2004
Sample Matrix:	Soil	**Date Received:**	09/03/2004
		Date Analyzed:	09/07/2004

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	WET
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SS-090204-MG-053	K2406713-030	84.5	84.0	84.3	<1	

00016

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Conestoga Rovers & Assoc.	**Service Request:**	K2406713
Project:	RMC Attica, In./19190	**Date Collected:**	09/02/2004
Sample Matrix:	Soil	**Date Received:**	09/03/2004
		Date Analyzed:	09/07/2004

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	WET
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SS-090204-MG-063	K2406713-040	89.5	88.5	89.0	1	

00017

Group ID:	KWG0413464				
Analyst:	RMcKee			**Reviewed By:**	[illegible]
Date Acquired:	09/07/2004 14:32	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	9/8/04
Date Completed:	09/08/2004 09:03	**Oven TempEnd:**	103 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
27	K2406705-018	SS-090204-MG-018	SOIL	1.22g	9.17g	7.91g	84.2		
28	K2406705-019	SS-090204-MG-019	SOIL	1.22g	10.47g	9.31g	87.5		
29	K2406705-020	SS-090204-MG-020	SOIL	1.23g	6.78g	6.14g	88.5		
30	K2406705-021	SS-090204-MG-021	SOIL	1.22g	7.58g	6.88g	89.0		
31	K2406705-022	SS-090204-MG-022	SOIL	1.22g	10.45g	9.02g	84.5		
32	K2406713-001	SS-090204-MG-023	SOIL	1.21g	8.39g	7.30g	84.8		
33	K2406713-002	SS-090204-MG-024	SOIL	1.21g	9.40g	8.01g	83.0		
34	K2406713-003	SS-090204-MG-025	SOIL	1.22g	14.33g	13.38g	92.8		
35	K2406713-004	SS-090204-MG-026	SOIL	1.21g	11.86g	9.46g	77.5		
36	K2406713-005	SS-090204-MG-027	SOIL	1.22g	16.23g	13.64g	82.7		
37	K2406713-006	SS-090204-MG-028	SOIL	1.23g	15.75g	12.84g	80.0		
38	K2406713-007	SS-090204-MG-029	SOIL	1.21g	11.57g	9.41g	79.2		
39	K2406713-008	SS-090204-MG-030	SOIL	1.21g	10.62g	8.21g	74.4		
40	K2406713-009	SS-090204-MG-031	SOIL	1.21g	11.56g	9.85g	83.5		
41	K2406713-010	SS-090204-MG-032	SOIL	1.22g	8.59g	7.56g	86.0		
42	K2406713-011	SS-090204-MG-033	SOIL	1.22g	17.24g	12.34g	69.4		
43	K2406713-012	SS-090204-MG-034	SOIL	1.23g	17.76g	12.78g	69.9		
44	K2406713-013	SS-090204-MG-035	SOIL	1.20g	8.51g	7.35g	84.1		
45	K2406713-014	SS-090204-MG-036	SOIL	1.21g	9.57g	8.20g	83.6		
46	K2406713-015	SS-090204-MG-037	SOIL	1.22g	9.19g	7.94g	84.3		
47	K2406713-016	SS-090204-MG-038	SOIL	1.21g	10.13g	8.93g	86.5		
48	K2406713-017	SS-090204-MG-039	SOIL	1.21g	13.51g	10.92g	78.9		
49	K2406713-018	SS-090204-MG-040	SOIL	1.21g	21.48g	17.13g	78.5		
50	K2406713-019	SS-090204-MG-041	SOIL	1.20g	13.87g	11.95g	84.8		
51	K2406713-020	SS-090204-MG-042	SOIL	1.22g	19.67g	13.67g	67.5		
52	K2406713-021	SS-090204-MG-043	SOIL	1.22g	8.93g	7.69g	83.9		
53	K2406713-022	SS-090204-MG-044	SOIL	1.23g	20.57g	14.60g	69.1		
54	K2406713-023	SS-090204-MG-045	SOIL	1.22g	9.61g	8.57g	87.6		
55	K2406713-024	SS-090204-MG-046	SOIL	1.22g	23.39g	17.43g	73.1		
56	K2406713-025	SS-090204-MG-047	SOIL	1.23g	9.63g	8.48g	86.3		
57	K2406713-026	SS-090204-MG-048	SOIL	1.23g	10.62g	9.57g	88.8		

Group ID:	KWG0413464				
Analyst:	RMcKee			**Reviewed By:**	MJ PH
Date Acquired:	09/07/2004 14:32	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	9/8/04
Date Completed:	09/08/2004 09:03	**Oven TempEnd:**	103 DEG C		

61000

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
58	K2406713-027	SS-090204-MG-049	SOIL	1.22g	20.13g	16.07g	78.5		
59	K2406713-028	SS-090204-MG-050	SOIL	1.22g	21.97g	16.62g	74.2		
60	K2406713-029	SS-090204-MG-051	SOIL	1.22g	17.48g	12.75g	70.9		
61	K2406713-030	SS-090204-MG-053	SOIL	1.21g	9.10g	7.88g	84.5		
62	K2406713-031	SS-090204-MG-054	SOIL	1.21g	22.78g	18.09g	78.3		
63	K2406713-032	SS-090204-MG-055	SOIL	1.21g	9.34g	8.56g	90.4		
64	K2406713-033	SS-090204-MG-056	SOIL	1.21g	10.51g	9.43g	88.4		
65	K2406713-034	SS-090204-MG-057	SOIL	1.21g	9.06g	8.04g	87.0		
66	K2406713-035	SS-090204-MG-058	SOIL	1.22g	10.05g	9.18g	90.1		
67	K2406713-036	SS-090204-MG-059	SOIL	1.21g	8.34g	7.25g	84.7		
68	K2406713-037	SS-090204-MG-060	SOIL	1.22g	11.71g	10.67g	90.1		
69	K2406713-038	SS-090204-MG-061	SOIL	1.21g	6.87g	6.47g	92.9		
70	K2406713-039	SS-090204-MG-062	SOIL	1.21g	6.64g	6.15g	91.0		
71	K2406713-040	SS-090204-MG-063	SOIL	1.21g	10.71g	9.71g	89.5		
72	K2406713-041	SS-090204-MG-064	SOIL	1.21g	11.91g	11.00g	91.5		
73	K2406717-003	Hog Fuel	MISC	1.22g	4.36g	2.51g	41.1		
74	K2406717-004	STP Sludge	SLUDGE	1.22g	7.10g	2.83g	27.4		
75	K2406743-001	K-1 Pulp	MISC	1.21g	10.78g	2.37g	12.1		
76	K2406748-001	082804MPS25SD001	SEDIMENT	1.23g	14.99g	10.18g	65.0		
77	K2406748-002	082904MPS1LSD001	SEDIMENT	1.22g	18.71g	14.32g	74.9		
78	K2406748-003	082804MPS12SD001	SEDIMENT	1.22g	16.08g	10.44g	62.0		
79	K2406748-004	082804MPS24SD001	SEDIMENT	1.23g	17.05g	11.86g	67.2		
80	K2406748-005	082704MPS2LSD001	SEDIMENT	1.24g	19.59g	11.60g	56.5		
81	K2406748-006	082904MPS14SD001	SEDIMENT	1.21g	18.18g	12.55g	66.8		
82	K2406748-007	082804MPS23SD001	SEDIMENT	1.21g	13.05g	8.04g	57.7		
83	K2406748-008	082804MPS11SD201	SEDIMENT	1.23g	18.64g	11.77g	60.5		
84	K2406748-009	082904MPS1MSD001	SEDIMENT	1.23g	15.34g	12.70g	81.3		
85	K2406748-010	082704MPS2MSD001	SEDIMENT	1.22g	12.96g	9.89g	73.9		
86	K2406748-011	082904MPS15SD001	SEDIMENT	1.24g	20.87g	12.12g	55.4		
87	K2406748-012	082804MPS11SDMS/MSD	SEDIMENT	1.23g	21.43g	14.09g	63.7		
88	K2406748-013	083104MOPP1SDMS/MSD	SEDIMENT	1.23g	22.67g	16.35g	70.5		

Group ID:	KWG0413464				
Analyst:	RMcKee			**Reviewed By:**	MT Fl
Date Acquired:	09/07/2004 14:32	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	9/8/04
Date Completed:	09/08/2004 09:03	**Oven TempEnd:**	103 DEG C		

00020

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
89	K2406748-014	082904MPS135SD001	SEDIMENT	1.23g	16.33g	11.14g	65.6		
90	K2406748-015	082804MPS11SD001	SEDIMENT	1.23g	21.65g	13.78g	61.5		
91	K2406748-016	082704MPS21SD001	SEDIMENT	1.24g	19.48g	12.58g	62.2		
92	KWG0413464-1	Duplicate Client Sample	SOIL	1.21g	8.88g	7.65g	84.0	K2406713-001	
93	KWG0413464-10	Duplicate Client Sample	SEDIMENT	1.24g	19.59g	13.19g	65.1	K2406748-001	
94	KWG0413464-11	Duplicate Client Sample	SEDIMENT	1.22g	15.62g	12.04g	75.1	K2406748-010	
95	KWG0413464-12	Duplicate Client Sample	SOIL	1.22g	21.67g	17.29g	78.6	K2406640-001	
96	KWG0413464-13	Duplicate Client Sample	SOIL	1.21g	6.72g	6.41g	94.4	K2406368-003	
97	KWG0413464-2	Duplicate Client Sample	SOIL	1.22g	6.98g	6.16g	85.8	K2406713-010	
98	KWG0413464-3	Duplicate Client Sample	SOIL	1.23g	17.07g	12.14g	68.9	K2406713-020	
99	KWG0413464-4	Duplicate Client Sample	SOIL	1.22g	9.14g	7.87g	84.0	K2406713-030	
100	KWG0413464-5	Duplicate Client Sample	SOIL	1.21g	9.45g	8.50g	88.5	K2406713-040	
101	KWG0413464-6	Duplicate Client Sample	SOIL	1.22g	12.52g	12.34g	98.4	K2406628-001	
102	KWG0413464-7	Duplicate Client Sample	SOIL	1.22g	8.76g	7.93g	89.0	K2406705-001	
103	KWG0413464-8	Duplicate Client Sample	SOIL	1.21g	8.25g	7.48g	89.1	K2406705-010	
104	KWG0413464-9	Duplicate Client Sample	SOIL	1.22g	7.78g	6.92g	86.9	K2406705-020	

COLUMBIA ANALYTICAL SERVICES, INC.

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EPA Method 160.3 - Total Solids

Group ID:	KWG0413464				
Analyst:	RMcKee			**Reviewed By:**	MY Fl
Date Acquired:	09/07/2004 14:32	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	9/8/04
Date Completed:	09/08/2004 09:03	**Oven TempEnd:**	103 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
1	K2406368-003	T4S1SB-14-5-1	SOIL	1.23g	9.43g	8.90g	93.5		
2	K2406368-004	T4S1SB-14-5-2	SOIL	1.23g	8.77g	8.10g	91.1		
3	K2406628-001	0408419-04A	SOIL	1.23g	8.18g	8.10g	98.8		
4	K2406628-002	0408418-04A	SOIL	1.23g	10.72g	10.50g	97.7		
5	K2406628-003	0408418-08A	SOIL	1.21g	11.52g	11.29g	97.8		
6	K2406628-004	0408410-04A	SOIL	1.23g	7.23g	7.09g	97.7		
7	K2406640-001	STP-1	SOIL	1.22g	21.47g	17.15g	78.7		
8	K2406640-002	STP-3	SOIL	1.22g	16.62g	13.34g	78.7		
9	K2406640-005	DUP-1	SOIL	1.23g	15.73g	12.73g	79.3		
10	K2406705-001	SS-090204-MG-001	SOIL	1.21g	8.04g	7.30g	89.2		
11	K2406705-002	SS-090204-MG-002	SOIL	1.21g	11.27g	10.12g	88.6		
12	K2406705-003	SS-090204-MG-003	SOIL	1.21g	9.10g	8.12g	87.6		
13	K2406705-004	SS-090204-MG-004	SOIL	1.21g	10.93g	9.52g	85.5		
14	K2406705-005	SS-090204-MG-005	SOIL	1.21g	11.49g	10.12g	86.7		
15	K2406705-006	SS-090204-MG-006	SOIL	1.20g	10.34g	9.35g	89.2		
16	K2406705-007	SS-090204-MG-007	SOIL	1.21g	9.77g	9.39g	95.6		
17	K2406705-008	SS-090204-MG-008	SOIL	1.22g	9.80g	8.87g	89.2		
18	K2406705-009	SS-090204-MG-009	SOIL	1.22g	9.32g	8.21g	86.3		
19	K2406705-010	SS-090204-MG-010	SOIL	1.24g	8.18g	7.38g	88.5		
20	K2406705-011	SS-090204-MG-011	SOIL	1.21g	7.10g	6.54g	90.5		
21	K2406705-012	SS-090204-MG-012	SOIL	1.22g	7.30g	6.61g	88.7		
22	K2406705-013	SS-090204-MG-013	SOIL	1.22g	7.64g	6.65g	84.6		
23	K2406705-014	SS-090204-MG-014	SOIL	1.21g	8.67g	7.57g	85.3		
24	K2406705-015	SS-090204-MG-015	SOIL	1.22g	7.98g	7.05g	86.2		
25	K2406705-016	SS-090204-MG-016	SOIL	1.22g	12.66g	12.25g	96.4		
26	K2406705-017	SS-090204-MG-017	SOIL	1.22g	8.74g	8.41g	95.6		

Metals

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Sample No.	Lab Sample ID.
SS-090204-MG-023	K2406713-001
SS-090204-MG-024	K2406713-002
SS-090204-MG-025	K2406713-003
SS-090204-MG-026	K2406713-004
SS-090204-MG-027	K2406713-005
SS-090204-MG-028	K2406713-006
SS-090204-MG-029	K2406713-007
SS-090204-MG-032	K2406713-010
SS-090204-MG-033	K2406713-011
SS-090204-MG-034	K2406713-012
SS-090204-MG-035	K2406713-013
SS-090204-MG-036	K2406713-014
SS-090204-MG-037	K2406713-015
SS-090204-MG-040	K2406713-018
SS-090204-MG-041	K2406713-019
SS-090204-MG-042	K2406713-020
SS-090204-MG-043	K2406713-021
SS-090204-MG-044	K2406713-022
SS-090204-MG-045	K2406713-023
SS-090204-MG-045D	K2406713-023D
SS-090204-MG-045S	K2406713-023S
SS-090204-MG-048	K2406713-026
SS-090204-MG-049	K2406713-027

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

Signature: Eileen M Arnold Date: 10/6/04

00023

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Sample No.	Lab Sample ID.
SS-090204-MG-050	K2406713-028
SS-090204-MG-051	K2406713-029
SS-090204-MG-053	K2406713-030
SS-090204-MG-054	K2406713-031
SS-090204-MG-057	K2406713-034
SS-090204-MG-058	K2406713-035
SS-090204-MG-058D	K2406713-035D
SS-090204-MG-058S	K2406713-035S
SS-090204-MG-059	K2406713-036
SS-090204-MG-060	K2406713-037
SS-090204-MG-061	K2406713-038
SS-090204-MG-062	K2406713-039
SS-090204-MG-063	K2406713-040
Method Blank 1	K2406713-MB1
Method Blank 2	K2406713-MB2

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

Signature: Eileen M Arnold Date: 10/6/04

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-023
Lab Code: K2406713-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.58	0.23	50	9/10/04	10/5/04	843		

% Solids: 84.8

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-024
Lab Code: K2406713-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.60	0.24	50	9/10/04	10/5/04	816		

% Solids: 83.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-025
Lab Code: K2406713-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.53	0.21	50	9/10/04	10/5/04	408		

% Solids: 92.8

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-026
Lab Code: K2406713-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.54	0.22	50	9/10/04	10/5/04	712		

% Solids: 77.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-027
Lab Code: K2406713-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	222		

% Solids: 82.7

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-028
Lab Code: K2406713-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.63	0.25	50	9/10/04	10/5/04	568		

% Solids: 80.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-029
Lab Code: K2406713-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.52	0.21	50	9/10/04	10/5/04	614		

% Solids: 79.2

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-032
Lab Code: K2406713-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.58	0.23	50	9/10/04	10/5/04	82.5		

% Solids: 86.0

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-033
Lab Code: K2406713-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.51	0.20	50	9/10/04	10/5/04	112		

% Solids: 69.4

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-034
Lab Code: K2406713-012

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.51	0.20	50	9/10/04	10/5/04	928		

% Solids: 69.9

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-035
Lab Code: K2406713-013

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	362		

% Solids: 84.1

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-036
Lab Code: K2406713-014

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.60	0.24	50	9/10/04	10/5/04	1470		

% Solids: 83.6

Comments:

00036

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-037
Lab Code: K2406713-015

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.59	0.24	50	9/10/04	10/5/04	3020		

% Solids: 84.3

Comments:

00037

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-040
Lab Code: K2406713-018

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.03	5	9/10/04	10/5/04	31.0		

% Solids: 78.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-041
Lab Code: K2406713-019

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	32.2		

% Solids: 84.8

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-042
Lab Code: K2406713-020

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.52	0.21	50	9/10/04	10/5/04	1590		

% Solids: 67.5

Comments:

00040

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-043
Lab Code: K2406713-021

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.60	0.24	50	9/10/04	10/5/04	927		

% Solids: 83.9

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-044
Lab Code: K2406713-022

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.52	0.21	50	9/10/04	10/5/04	1300		

% Solids: 69.1

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-045
Lab Code: K2406713-023

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.57	0.23	50	9/10/04	10/5/04	1100		

% Solids: 87.6

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-048
Lab Code: K2406713-026

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	25.0		

% Solids: 88.8

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-049
Lab Code: K2406713-027

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	21.5		

% Solids: 78.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-050
Lab Code: K2406713-028

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	20.6		

% Solids: 74.2

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-051
Lab Code: K2406713-029

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	15.6		

% Solids: 70.9

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-053
Lab Code: K2406713-030

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	87.3		

% Solids: 84.5

Comments:

00048

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-054
Lab Code: K2406713-031

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	92.9		

% Solids: 78.3

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-057
Lab Code: K2406713-034

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	18.9		

% Solids: 87.0

Comments:

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-058
Lab Code: K2406713-035

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	12.2		

% Solids: 90.1

Comments:

00051

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-059
Lab Code: K2406713-036

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	112		

% Solids: 84.7

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-060
Lab Code: K2406713-037

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	157		

% Solids: 90.1

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-061
Lab Code: K2406713-038

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	51.8		

% Solids: 92.9

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-062
Lab Code: K2406713-039

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	112		

% Solids: 91.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/KG
Basis: Dry

Sample Name: SS-090204-MG-063
Lab Code: K2406713-040

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.06	0.02	5	9/10/04	10/5/04	91.1		

% Solids: 89.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected:
Date Received:
Units: MG/KG
Basis: Dry

Sample Name: Method Blank 1
Lab Code: K2406713-MB1

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	0.02	B	

% Solids: 100.0

Comments:

00057

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Date Collected:
Date Received:
Units: MG/KG
Basis: Dry

Sample Name: Method Blank 2
Lab Code: K2406713-MB2

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6020	0.05	0.02	5	9/10/04	10/5/04	0.02	U	

% Solids: 100.0

Comments:

00058

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: Inorganic Ventures CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead	25.0	24.7	99	25.0	25.0	100	25.0	100	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				25.0	24.9	100	24.4	98	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				25.0	23.8	95	23.0	92	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				25.0	23.3	93			6020

00062

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: Conestoga Rovers & Assoc.

Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Concentration Units: ug/I

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Lead				0.04	0.04	109		

00063

METALS
- 3 -
BLANKS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank C		Method
Lead	0.04	U	0.04	U	0.04	U	0.04	U				6020

00064

METALS
- 3 -
BLANKS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Lead			0.04	U	0.04	U	0.04	U					6020

00065

METALS
- 3 -
BLANKS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Lead			0.04	U										6020

METALS
- 4 -
ICP INTERFERENCE CHECK SAMPLE

Client: Conestoga Rovers & Assoc.

Service Request:K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP ID Number: Excell ICPMS

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Lead			0.15	0.15				

00067

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Units: mg/kg
Basis: Dry
% Solids: 87.6

Sample Name: SS-090204-MG-045S
Lab Code: K2406713-023S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Lead		1220		1100		114	105		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Units: mg/kg
Basis: Dry
% Solids: 90.1

Sample Name: SS-090204-MG-058S
Lab Code: K2406713-035S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Lead	70 - 130	125		12.2		111	102		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

METALS
- 5b -
POST DIGEST SPIKE SAMPLE RECOVERY

Client: Conestoga Rovers & Assoc.
Service Request: K2406713
Project No.: 19190
Units: ug/L
Project Name: RMC Attica, In.
Matrix: SOIL

Sample Name: SS-090204-MG-040A
Lab Code: K2406713-018A

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Lead	75-125	92.8		49.6		50.0	86		MS

Comments:

METALS
- 5b -
POST DIGEST SPIKE SAMPLE RECOVERY

Client: Conestoga Rovers & Assoc.
Service Request: K2406713
Project No.: 19190
Units: ug/L
Project Name: RMC Attica, In.
Matrix: SOIL

Sample Name: SS-090204-MG-058A
Lab Code: K2406713-035A

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Lead	75-125	67.8		22.5		50.0	91		MS

Comments:

METALS
- 6 -
DUPLICATES

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Units: mg/kg
Basis: Dry
% Solids: 87.6

Sample Name: SS-090204-MG-045D
Lab Code: K2406713-023D

Analyte	Control Limit(%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Lead	30	1100		1060		4		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

Form VI - IN

METALS
- 6 -
DUPLICATES

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: SOIL

Service Request: K2406713
Units: mg/kg
Basis: Dry
% Solids: 90.1

Sample Name: SS-090204-MG-058D
Lab Code: K2406713-035D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Lead	30	12.2		12.3		1		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

Form VI - IN

METALS
-7-
LABORATORY CONTROL SAMPLE

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Aqueous LCS Source: Inorganic Ventures Solid LCS Source: ERA Lot #246

Analyte	Aqueous mg/L True	Aqueous mg/L Found	Aqueous mg/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Lead				125	123		95.2	155	98

METALS
- 7 -
LABORATORY CONTROL SAMPLE

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Aqueous LCS Source: Inorganic Ventures Solid LCS Source: ERA Lot #246

Analyte	Aqueous mg/L True	Aqueous mg/L Found	Aqueous mg/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Lead				125	125		95.2	155	100

METALS
- 9 -
ICP SERIAL DILUTIONS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190 Units: ug/L

Project Name: RMC Attica, In.

Sample Name: SS-090204-MG-040L Lab Code: K2406713-018L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-	Q	Method
Lead	49.6		52.8		6		6020

METALS
- 9 -
ICP SERIAL DILUTIONS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190 Units: ug/L

Project Name: RMC Attica, In.

Sample Name: SS-090204-MG-058L Lab Code: K2406713-035L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-	Q	Method
Lead	22.5		24.9		11	E	6020

METALS
-10-
METHOD DETECTION LIMITS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP/ICP-MS ID #: Excell ICPMS

GFAA ID #: AA ID #:

Analyte	Mass	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Lead	208		0.10	0.04	6020

Comments

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP ID Number: Excell ICPMS

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Lead	15.00	1000.0	6020

Comments:

METALS
- 13 -
PREPARATION LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project RMC Attica, In.

Method: MS

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSS2	9/10/04	EPA 3050B	1.00	100
K2406713-MB2	9/10/04	EPA 3050B	1.00	100
K2406713-026	9/10/04	EPA 3050B	1.00	100
K2406713-027	9/10/04	EPA 3050B	1.22	100
K2406713-028	9/10/04	EPA 3050B	1.20	100
K2406713-029	9/10/04	EPA 3050B	1.22	100
K2406713-030	9/10/04	EPA 3050B	1.00	100
K2406713-031	9/10/04	EPA 3050B	1.20	100
K2406713-034	9/10/04	EPA 3050B	1.00	100
K2406713-035	9/10/04	EPA 3050B	1.02	100
K2406713-035D	9/10/04	EPA 3050B	1.02	100
K2406713-035S	9/10/04	EPA 3050B	1.00	100
K2406713-036	9/10/04	EPA 3050B	1.03	100
K2406713-037	9/10/04	EPA 3050B	1.01	100
K2406713-038	9/10/04	EPA 3050B	1.03	100
K2406713-039	9/10/04	EPA 3050B	1.01	100
K2406713-040	9/10/04	EPA 3050B	1.00	100

METALS
- 13 -
PREPARATION LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project RMC Attica, In.

Method: MS

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSS1	9/10/04	EPA 3050B	1.00	100
K2406713-MB1	9/10/04	EPA 3050B	1.00	100
K2406713-001	9/10/04	EPA 3050B	1.01	100
K2406713-002	9/10/04	EPA 3050B	1.00	100
K2406713-003	9/10/04	EPA 3050B	1.01	100
K2406713-004	9/10/04	EPA 3050B	1.20	100
K2406713-005	9/10/04	EPA 3050B	1.02	100
K2406713-006	9/10/04	EPA 3050B	1.00	100
K2406713-007	9/10/04	EPA 3050B	1.21	100
K2406713-010	9/10/04	EPA 3050B	1.01	100
K2406713-011	9/10/04	EPA 3050B	1.42	100
K2406713-012	9/10/04	EPA 3050B	1.41	100
K2406713-013	9/10/04	EPA 3050B	1.00	100
K2406713-014	9/10/04	EPA 3050B	1.00	100
K2406713-015	9/10/04	EPA 3050B	1.00	100
K2406713-018	9/10/04	EPA 3050B	1.02	100
K2406713-019	9/10/04	EPA 3050B	1.02	100
K2406713-020	9/10/04	EPA 3050B	1.42	100
K2406713-021	9/10/04	EPA 3050B	1.00	100
K2406713-022	9/10/04	EPA 3050B	1.40	100
K2406713-023	9/10/04	EPA 3050B	1.00	100
K2406713-023D	9/10/04	EPA 3050B	1.00	100
K2406713-023S	9/10/04	EPA 3050B	1.00	100

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METALS
- 14 -
ANALYSIS RUN LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Instrument ID Number: Excell ICPMS Method: MS

Start Date: 10/5/04 End Date: 10/5/04

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CALIBRATION BLANK	1.00	10:38													X												
25 PPB STD.	1.00	10:40													X												
ICV	1.00	10:41													X												
CCV1	1.00	10:43													X												
ICB	1.00	10:44													X												
CCB1	1.00	10:44													X												
CRA	1.00	10:46													X												
ICSA	1.00	10:47													X												
ICSAB	1.00	10:48													X												
K2406713-MB1	5.00	10:49													X												
K2406713-MB2	5.00	10:51													X												
LCSS1	20.00	10:52													X												
LCSS2	20.00	10:53													X												
K2406713-035	5.00	10:54													X												
K2406713-035D	5.00	10:55													X												
K2406713-035L	25.00	10:56													X												
CCV2	1.00	11:01													X												
CCB2	1.00	11:03													X												
K2406713-035A	5.00	11:05													X												
K2406713-035S	20.00	11:06													X												
ZK2406713-003	5.00	11:07																									
K2406713-005	5.00	11:09													X												
ZK2406713-006	5.00	11:10																									
ZK2406713-010	5.00	11:11																									
ZK2406713-011	5.00	11:13																									
K2406713-013	5.00	11:14													X												
K2406713-018	5.00	11:16													X												
K2406713-019	5.00	11:17													X												
CCV3	1.00	11:19													X												
CCB3	1.00	11:25													X												

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

Columbia Analytical Services

METALS
- 14 -
ANALYSIS RUN LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Instrument ID Number: Excell ICPMS Method: MS

Start Date: 10/5/04 End Date: 10/5/04

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K2406713-018L	25.00	11:27													X												
K2406713-018A	5.00	11:27													X												
K2406713-026	5.00	11:29													X												
K2406713-027	5.00	11:30													X												
K2406713-028	5.00	11:31													X												
K2406713-029	5.00	11:32													X												
K2406713-030	5.00	11:33													X												
K2406713-031	5.00	11:34													X												
K2406713-034	5.00	11:35													X												
K2406713-036	5.00	11:36													X												
CCV4	1.00	11:37													X												
CCB4	1.00	11:41													X												
K2406713-037	5.00	11:43													X												
K2406713-038	5.00	11:44													X												
K2406713-039	5.00	11:45													X												
K2406713-040	5.00	11:46													X												
K2406713-023	50.00	12:01													X												
K2406713-023D	50.00	12:02													X												
K2406713-023S	200.00	12:03													X												
K2406713-001	50.00	12:04													X												
K2406713-002	50.00	12:18													X												
K2406713-004	50.00	12:19													X												
CCV5	1.00	12:21													X												
CCB5	1.00	12:23													X												
K2406713-007	50.00	12:24													X												
K2406713-012	50.00	12:25													X												
K2406713-014	50.00	12:26													X												
K2406713-015	50.00	12:28													X												
K2406713-020	50.00	12:29													X												
K2406713-021	50.00	12:30													X												

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Instrument ID Number: Excell ICPMS Method: MS

Start Date: 10/5/04 End Date: 10/5/04

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K2406713-022	50.00	12:31													X												
K2406713-003	50.00	12:33													X												
K2406713-006	50.00	12:34													X												
K2406713-010	50.00	12:35													X												
CCV6	1.00	12:36													X												
CCB6	1.00	12:39													X												
K2406713-011	50.00	12:41													X												
CCV7	1.00	12:42													X												
CCB7	1.00	12:45													X												

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Conestoga Rovers & Assoc.
Project: RMC Attica, In./19190
Sample Matrix: Soil

Service Request: K2406713

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: WET

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SS-090204-MG-023	K2406713-001	09/02/2004	09/03/2004	09/07/2004	84.8	
SS-090204-MG-024	K2406713-002	09/02/2004	09/03/2004	09/07/2004	83.0	
SS-090204-MG-025	K2406713-003	09/02/2004	09/03/2004	09/07/2004	92.8	
SS-090204-MG-026	K2406713-004	09/02/2004	09/03/2004	09/07/2004	77.5	
SS-090204-MG-027	K2406713-005	09/02/2004	09/03/2004	09/07/2004	82.7	
SS-090204-MG-028	K2406713-006	09/02/2004	09/03/2004	09/07/2004	80.0	
SS-090204-MG-029	K2406713-007	09/02/2004	09/03/2004	09/07/2004	79.2	
SS-090204-MG-030	K2406713-008	09/02/2004	09/03/2004	09/07/2004	74.4	
SS-090204-MG-031	K2406713-009	09/02/2004	09/03/2004	09/07/2004	83.5	
SS-090204-MG-032	K2406713-010	09/02/2004	09/03/2004	09/07/2004	86.0	
SS-090204-MG-033	K2406713-011	09/02/2004	09/03/2004	09/07/2004	69.4	
SS-090204-MG-034	K2406713-012	09/02/2004	09/03/2004	09/07/2004	69.9	
SS-090204-MG-035	K2406713-013	09/02/2004	09/03/2004	09/07/2004	84.1	
SS-090204-MG-036	K2406713-014	09/02/2004	09/03/2004	09/07/2004	83.6	
SS-090204-MG-037	K2406713-015	09/02/2004	09/03/2004	09/07/2004	84.3	
SS-090204-MG-038	K2406713-016	09/02/2004	09/03/2004	09/07/2004	86.5	
SS-090204-MG-039	K2406713-017	09/02/2004	09/03/2004	09/07/2004	78.9	
SS-090204-MG-040	K2406713-018	09/02/2004	09/03/2004	09/07/2004	78.5	
SS-090204-MG-041	K2406713-019	09/02/2004	09/03/2004	09/07/2004	84.8	
SS-090204-MG-042	K2406713-020	09/02/2004	09/03/2004	09/07/2004	67.5	
SS-090204-MG-043	K2406713-021	09/02/2004	09/03/2004	09/07/2004	83.9	
SS-090204-MG-044	K2406713-022	09/02/2004	09/03/2004	09/07/2004	69.1	
SS-090204-MG-045	K2406713-023	09/02/2004	09/03/2004	09/07/2004	87.6	
SS-090204-MG-046	K2406713-024	09/02/2004	09/03/2004	09/07/2004	73.1	
SS-090204-MG-047	K2406713-025	09/02/2004	09/03/2004	09/07/2004	86.3	
SS-090204-MG-048	K2406713-026	09/02/2004	09/03/2004	09/07/2004	88.8	
SS-090204-MG-049	K2406713-027	09/02/2004	09/03/2004	09/07/2004	78.5	
SS-090204-MG-050	K2406713-028	09/02/2004	09/03/2004	09/07/2004	74.2	
SS-090204-MG-051	K2406713-029	09/02/2004	09/03/2004	09/07/2004	70.9	
SS-090204-MG-053	K2406713-030	09/02/2004	09/03/2004	09/07/2004	84.5	
SS-090204-MG-054	K2406713-031	09/02/2004	09/03/2004	09/07/2004	78.3	
SS-090204-MG-055	K2406713-032	09/02/2004	09/03/2004	09/07/2004	90.4	
SS-090204-MG-056	K2406713-033	09/02/2004	09/03/2004	09/07/2004	88.4	
SS-090204-MG-057	K2406713-034	09/02/2004	09/03/2004	09/07/2004	87.0	
SS-090204-MG-058	K2406713-035	09/02/2004	09/03/2004	09/07/2004	90.1	
SS-090204-MG-059	K2406713-036	09/02/2004	09/03/2004	09/07/2004	84.7	
SS-090204-MG-060	K2406713-037	09/02/2004	09/03/2004	09/07/2004	90.1	
SS-090204-MG-061	K2406713-038	09/02/2004	09/03/2004	09/07/2004	92.9	
SS-090204-MG-062	K2406713-039	09/02/2004	09/03/2004	09/07/2004	91.0	
SS-090204-MG-063	K2406713-040	09/02/2004	09/03/2004	09/07/2004	89.5	
SS-090204-MG-064	K2406713-041	09/02/2004	09/03/2004	09/07/2004	91.5	

Columbia Analytical Services
Metals Digestion Sheet

Extr/Prep Batch
KP0401194

Service Request Number(s) : K6713

Method : CLP 3010A 3020A
3005A (3050B) CLP Hot Block Other-

Analysis for : ICP (ICP-MS) GFAA
Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PBS					100	10% HNO3
LCSS	1.00					
K6713-01	1.01		X			
-02	1.00					
-03	1.01					
-04	1.20					
-05	1.02					
-06	1.00					
-07	1.21					
-10	1.01					
-11	1.42					
-12	1.41					
-13	1.00					
-14	1.00					
-15	1.00					
-18	1.02					
-19	1.02					
-20	1.42					
-21	1.00					
-22	1.40					
-23	1.00					
-23d	1.00					
-23S	1.00					

9/10/04

Time Digestion Started: 0955

Lot # Acids Used: HNO3 AZ1047 HCl _____ H2O2 44138429

LCSS (circle appropriate) ERA CLP Soil Lot # 246 EPA Lot # 0287 Other: _____

GFAA LCSW = GFLCSW, MET1-30-E. _____ mls. added
ICP LCSW = QCP CICV-1, MET1-33-M, _____ mls. added
QCP CICV-2, MET1-33-N, _____ mls. added
QCP CICV-3, MET1-33-O, _____ mls. added
SS6, MET1-33-F, _____ mls. added

SPIKE INFO
SS1-MET1-35-C. 2.0 mls added SS4-MET1-30-D. _____ mls added
SS5-MET1-33-E. 1.0 mls added
SS6-MET1-33-F. 1.0 mls added

TCLP Spike/LCSE
SS1 _____ mls. added
SS2 _____ mls. added

Additional spikes: _____

Comments: _____

Analyst Michelle M Rhola Date 9/10/04
Reviewer _____ Date 9/13/04

00086

METALS SPIKE FORM

Service Request # K6713 1-7,10-15,18-23
Q.C. Sample # K6713

Circle type of digest: GFAA ICP FAA (ICP-MS) Other:_____ Initials / Date Mmr / 9/10/04
Circle type of sample: (Soil) Water Misc. Sludge Oil Other:_____

Solution Name	Element	mls of stock Std.	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-35-C	HNO3	50.0	1000ml	JT BAKER	A02056	-	-	2.0	Expires: 8/26/05
	Al	*100	1000ml	MET1-34-W	-	9/1/2005	200		
	Ag	*100	1000ml	MET1-34-W	-	9/1/2005	5		
	Ba	*100	1000ml	MET1-34-W	-	9/1/2005	200		
	Be	*100	1000ml	MET1-34-W	-	9/1/2005	5		
	Cd	*100	1000ml	MET1-34-W	-	9/1/2005	5		
	Co	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Cr	*100	1000ml	MET1-34-W	-	9/1/2005	20		
	Cu	*100	1000ml	MET1-34-W	-	9/1/2005	25		
	Fe	*100	1000ml	MET1-34-W	-	9/1/2005	100		
	Pb	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Mn	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Ni	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Sb	50	1000ml	MET1-25-A	-	2/28/2005	50		
	V	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Zn	*100	1000ml	MET1-34-W	-	9/1/2005	50		
SS4-MET1-30-D	HNO3	25.0	500ml	JT BAKER	Y31024	-	-		Expires: 9/30/04
	As	2.0	500ml	MET1-21-I	-	1/1/2005	4		
	Cd	2.0	500ml	MET1-17-D	-	9/30/2004	4		
	Pb	2.0	500ml	MET1-26-E	-	3/1/2005	4		
	Se	2.0	500ml	MET1-19-C	-	10/31/2004	4		
	Tl	2.0	500ml	MET1-19-F	-	10/1/2004	4		
	Cu	2.0	500ml	MET1-26-D	-	3/1/2005	4		
SS5-MET1-33-E	HNO3	25.0	500ml	JT BAKER	A02056	-	-	1.0	Expires:1/31/05
	As	50.0	500ml	MET1-21-I	-	1/31/2005	100		
	Se	50.0	500ml	MET1-29-E	-	7/31/2005	100		
	Tl	50.0	500ml	MET1-29-F	-	7/31/2005	100		
SS6-MET1-33-F	HNO3	25	500ml	JT BAKER	A02056	-	-	1.0	Expires: 10/31/04
	B	50	500ml	MET1-29-C	-	7/30/2005	100		
	Mo	50	500ml	MET1-19-A	-	10/31/2004	100		

GFLCSW (MET1-33-O)	HNO3	2.0	200ml	JT BAKER	A02056	-	-		Expires: 09/1/05
	As, Pb, Se, Tl	1.0	200ml	QCP-CICV-3	W-MEB156036	9/1/2005	2.5		
	Cd	-	-	QCP-CICV-3	-	-	1.25		
	Cu	0.5	200ml	MET1-26-D	-	3/1/2005	2.5		
QCP-CICV-1 (MET1-33-M)	Ca, Mg, Na, K	no dilution	-	IV	W-MEB156015	9/1/2005	2500		Expires: 09/01/05
	Al, Ba	no dilution	-	IV	W-MEB156015	9/1/2005	1000		
	Fe	no dilution	-	IV	W-MEB156015	9/1/2005	500		
	Co, Mn, Ni, V, Zn	no dilution	-	IV	W-MEB156015	9/1/2005	250		
	Cu, Ag	no dilution	-	IV	W-MEB156015	9/1/2005	125		
	Cr	no dilution	-	IV	W-MEB156015	9/1/2005	100		
	Be	no dilution	-	IV	W-MEB156015	9/1/2005	25		
QCP-CICV-2 (MET1-33-N)	Sb	no dilution	-	IV	W-CICP13118	9/1/2005	500		Expires: 9/01/05
QCP-CICV-3 (MET1-33-O)	As, Pb, Se, Tl	no dilution	-	IV	W-MEB156036	9/1/2005	500		Expires: 09/01/05
	Cd	no dilution	-	IV	W-MEB156036	9/1/2005	250		

* Denotes Custom Mix CAS-CAL-14 (MET1-34-W)

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

Columbia Analytical Services
Metals Digestion Sheet

Extr/Prep Batch
KP0401193

Service Request Number(s) : K6713

Method : CLP 3010A 3020A 3005A (3050B) CLP Hot Block Other-

Analysis for : ICP (ICP-MS) GFAA Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PBS					100	10%HNO3
LCSS	1.00					
K6713-26	1.00		X			
-27	1.22					
-28	1.20					
-29	1.22					
-30	1.00					
-31	1.20					
-34	1.00					
-35	1.02					
-35d	1.02					
-35s	1.00					
-36	1.03					
-37	1.01					
-38	1.03					
-39	1.01					
-40	1.00					

Michelle 9/10/04

Time Digestion Started: 1055

Lot # Acids Used: HNO3 A21047 HCl _____ H2O2 44138429

LCSS (circle appropriate) ERA CLP Soil Lot # 246 EPA Lot # 0287 Other:_____

GFAA LCSW = GFLCSW, MET1-30-E, _____ mls. added

ICP LCSW = QCP CICV-1, MET1-33-M, _____ mls. added
QCP CICV-2, MET1-33-N, _____ mls. added
QCP CICV-3, MET1-33-O, _____ mls. added
SS6, MET1-33-F, _____ mls. added

SPIKE INFO

SS1-MET1-35-C, 2.0 mls added SS4-MET1-30-D, _____ mls added

SS5-MET1-33-E, 1.0 mls added

SS6-MET1-33-F, 1.0 mls added

TCLP Spike/LCSE

SS1 _____ mls. added

SS2 _____ mls. added

Additional spikes:_____

Comments:

Analyst: Michelle M Kitola Date 9/10/04

Reviewer: [illegible] Date 9/13/04

metdig.xls

00088

METALS SPIKE FORM

Service Request # KL6713 26-31, 34-40
Q.C. Sample # KL6713

Circle type of digest: GFAA ICP FAA (ICP-MS) Other:_____ Initials / Date LMMR / 9/10/04
Circle type of sample: (Soil) Water Misc. Sludge Oil Other:_____

Solution Name	Element	mls of stock Std.	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-35-C	HNO3	50.0	1000ml	JT BAKER	A02056	-	-	2.0	Expires: 8/26/05
	Al	*100	1000ml	MET1-34-W	-	9/1/2005	200		
	Ag	*100	1000ml	MET1-34-W	-	9/1/2005	5		
	Ba	*100	1000ml	MET1-34-W	-	9/1/2005	200		
	Be	*100	1000ml	MET1-34-W	-	9/1/2005	5		
	Cd	*100	1000ml	MET1-34-W	-	9/1/2005	5		
	Co	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Cr	*100	1000ml	MET1-34-W	-	9/1/2005	20		
	Cu	*100	1000ml	MET1-34-W	-	9/1/2005	25		
	Fe	*100	1000ml	MET1-34-W	-	9/1/2005	100		
	Pb	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Mn	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Ni	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Sb	50	1000ml	MET1-25-A	-	2/28/2005	50		
	V	*100	1000ml	MET1-34-W	-	9/1/2005	50		
	Zn	*100	1000ml	MET1-34-W	-	9/1/2005	50		
SS4-MET1-30-D	HNO3	25.0	500ml	JT BAKER	Y31024	-	-		Expires: 9/30/04
	As	2.0	500ml	MET1-21-I	-	1/1/2005	4		
	Cd	2.0	500ml	MET1-17-D	-	9/30/2004	4		
	Pb	2.0	500ml	MET1-26-E	-	3/1/2005	4		
	Se	2.0	500ml	MET1-19-C	-	10/31/2004	4		
	Tl	2.0	500ml	MET1-19-F	-	10/1/2004	4		
	Cu	2.0	500ml	MET1-26-D	-	3/1/2005	4		
SS5-MET1-33-E	HNO3	25.0	500ml	JT BAKER	A02056	-	-	1.0	Expires:1/31/05
	As	50.0	500ml	MET1-21-I	-	1/31/2005	100		
	Se	50.0	500ml	MET1-29-E	-	7/31/2005	100		
	Tl	50.0	500ml	MET1-29-F	-	7/31/2005	100		
SS6-MET1-33-F	HNO3	25	500ml	JT BAKER	A02056	-	-	1.0	Expires: 10/31/04
	B	50	500ml	MET1-29-C	-	7/30/2005	100		
	Mo	50	500ml	MET1-19-A	-	10/31/2004	100		

GFLCSW (MET1-33-O)	HNO3	2.0	200ml	JT BAKER	A02056	-	-		Expires: 09/1/05
	As, Pb, Se, Tl	1.0	200ml	QCP-CICV-3	W-MEB156036	9/1/2005	2.5		
	Cd	-	-	QCP-CICV-3	-	-	1.25		
	Cu	0.5	200ml	MET1-26-D	-	3/1/2005	2.5		
QCP-CICV-1 (MET1-33-M)	Ca, Mg, Na, K	no dilution	-	IV	W-MEB156015	9/1/2005	2500		Expires: 09/01/05
	Al, Ba	no dilution	-	IV	W-MEB156015	9/1/2005	1000		
	Fe	no dilution	-	IV	W-MEB156015	9/1/2005	500		
	Cu, Mn, Ni, V, Zn	no dilution	-	IV	W-MEB156015	9/1/2005	250		
	Cu, Ag	no dilution	-	IV	W-MEB156015	9/1/2005	125		
	Cr	no dilution	-	IV	W-MEB156015	9/1/2005	100		
	Be	no dilution	-	IV	W-MEB156015	9/1/2005	25		
QCP-CICV-2 (MET1-33-N)	Sb	no dilution	-	IV	W-CICP13118	9/1/2005	500		Expires: 9/01/05
QCP-CICV-3 (MET1-33-O)	As, Pb, Se, Tl	no dilution	-	IV	W-MEB156036	9/1/2005	500		Expires: 09/01/05
	Cd	no dilution	-	IV	W-MEB156036	9/1/2005	250		

* Denotes Custom Mix CAS-CAL-14 (MET1-34-W)

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

Service Request # K2406713
Calibration 10-05-04B
QC in calibration 10-05-04B
QC Service Request # K2406713

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	✓		
2. ICV within 10 % of true value	✓		
3. CCV's in control	✓		
4. CCB's and/or ICB's below MRL	✓		
5. Method blank below MRL	✓		
6. LCS in control	✓		
7. Spike and duplicate in control	✓		
8. All analytes within instrument linear range	✓		
9. Adequate rinse out time allowed	✓		
10. Internal standards in control	✓		
11. Interferences checked	✓		
12. Se over MRL			✓
13. CRA run	✓		
14. ICSA and ICSAB in control	✓		
15. Serial dilution run	✓		
16. Post spike in control	✓		

Comments:

Primary Review by JL Date 10/5/04
Secondary Review by [signature] Date 10/5/04
R:\icp\misc\data review forms\PQ ExCell review form

Sample List

Num	Label	Type	Weight	Volume	Dilution
1	Calibration Blank	Blank	0 kg	0 ml	1.00
2	25 ppb Std. MS5-85-A	Fully Quant Standard	0 kg	0 ml	1.00
3	ICV MS5-84-B	Unknown	0 kg	0 ml	1.00
4	CCV1 MS5-85-A	Unknown	0 kg	0 ml	1.00
5	ICB	Unknown	0 kg	0 ml	1.00
6	CCB1	Unknown	0 kg	0 ml	1.00
7	CRA SOIL MS5-82-E	Unknown	0 kg	0 ml	1.00
8	ICSA MS5-81-D	Unknown	0 kg	0 ml	1.00
9	ICSAB MS5-81-E	Unknown	0 kg	0 ml	1.00
10	PBS K6713 1/5 (1-23)	Unknown	0 kg	0 ml	1.00
11	PBS K6713 1/5 (24-40)	Unknown	0 kg	0 ml	1.00
12	LCSS K6713 1/20 (1-23)	Unknown	0 kg	0 ml	1.00
13	LCSS K6713 1/20 (24-40)	Unknown	0 kg	0 ml	1.00
14	K6713-35 1/5	Unknown	0 kg	0 ml	1.00
15	K6713-35D 1/5	Unknown	0 kg	0 ml	1.00
16	K6713-35L 1/5 X 1/5	Unknown	0 kg	0 ml	1.00
17	CCV2 MS5-85-A	Unknown	0 kg	0 ml	1.00
18	CCB2	Unknown	0 kg	0 ml	1.00
19	K6713-35A 1/5 +50	Unknown	0 kg	0 ml	1.00
20	K6713-35S 1/20	Unknown	0 kg	0 ml	1.00
21	K6713-03 1/5	Unknown	0 kg	0 ml	1.00
22	K6713-05 1/5	Unknown	0 kg	0 ml	1.00
23	K6713-06 1/5	Unknown	0 kg	0 ml	1.00
24	K6713-10 1/5	Unknown	0 kg	0 ml	1.00
25	K6713-11 1/5	Unknown	0 kg	0 ml	1.00
26	K6713-13 1/5	Unknown	0 kg	0 ml	1.00
27	K6713-18 1/5	Unknown	0 kg	0 ml	1.00
28	K6713-19 1/5	Unknown	0 kg	0 ml	1.00
29	CCV3 MS5-85-A	Unknown	0 kg	0 ml	1.00
30	CCB3	Unknown	0 kg	0 ml	1.00
31	K6713-18L 1/5 X 1/5	Unknown	0 kg	0 ml	1.00
32	K6713-18A 1/5 +50	Unknown	0 kg	0 ml	1.00
33	K6713-26 1/5	Unknown	0 kg	0 ml	1.00
34	K6713-27 1/5	Unknown	0 kg	0 ml	1.00
35	K6713-28 1/5	Unknown	0 kg	0 ml	1.00
36	K6713-29 1/5	Unknown	0 kg	0 ml	1.00
37	K6713-30 1/5	Unknown	0 kg	0 ml	1.00
38	K6713-31 1/5	Unknown	0 kg	0 ml	1.00
39	K6713-34 1/5	Unknown	0 kg	0 ml	1.00
40	K6713-36 1/5	Unknown	0 kg	0 ml	1.00
41	CCV4 MS5-85-A	Unknown	0 kg	0 ml	1.00
42	CCB4	Unknown	0 kg	0 ml	1.00
43	K6713-37 1/5	Unknown	0 kg	0 ml	1.00
44	K6713-38 1/5	Unknown	0 kg	0 ml	1.00
45	K6713-39 1/5	Unknown	0 kg	0 ml	1.00
46	K6713-40 1/5	Unknown	0 kg	0 ml	1.00
47	K6713-23 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
48	K6713-23D 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
49	K6713-23S 1/20 X1/10	Unknown	0 kg	0 ml	1.00

50	K6713-01 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
51	K6713-02 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
52	K6713-04 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
53	CCV5 MS5-85-A	Unknown	0 kg	0 ml	1.00
54	CCB5	Unknown	0 kg	0 ml	1.00
55	K6713-07 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
56	K6713-12 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
57	K6713-14 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
58	K6713-15 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
59	K6713-20 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
60	K6713-21 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
61	K6713-22 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
62	K6713-03 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
63	K6713-06 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
64	K6713-10 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
65	CCV6 MS5-85-A	Unknown	0 kg	0 ml	1.00
66	CCB6	Unknown	0 kg	0 ml	1.00
67	K6713-11 1/5 X 1/10	Unknown	0 kg	0 ml	1.00
68	CCV7 MS5-85-A	Unknown	0 kg	0 ml	1.00
69	CCB7	Unknown	0 kg	0 ml	1.00

Instrument Setup - Sample Configuration

Sample	Configuration	Date
All Samples	jchan	8:48:06 10/5/04

Instrument Setup - Configurations

Configuration Name - jchan
Description - PQExcell CCT Sim Default
Date - 8:48:06 10/5/04
Maximum Uptake Time - 0
Maximum Washout Time - 0
S-Option Pump Running - No
Plasma Screen Forward - No
Makeup Gas On - No
Use CCT - No
Use Accessory Gas - No

Setting	Value
Extraction	-825.00
Lens1	-6.70
Lens2	-191.90
Lens3	-183.80
Pole Bias	1.00
Sampling Depth	407.00
Horizontal	-45.00
Vertical	65.00
Cool	13.00
Auxiliary	0.68
Nebuliser	0.80
Forward power	1,360.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-35.20
Focus	20.30

ExCell Mass Calibration **Date: 10/5/04**

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include
7.016	1628	0.562	0.075	TRUE
23.985	5941	0.715	0.046	TRUE
26.982	6695	0.715	0.011	TRUE
44.956	11270	0.714	-0.003	TRUE
45.953	11523	0.561	-0.008	TRUE
51.94	13044	0.765	-0.026	TRUE
53.949	13551	0.765	-0.045	TRUE
55.935	14065	0.816	-0.014	TRUE
56.935	14318	0.765	-0.021	TRUE
57.934	14565	0.765	-0.051	TRUE
58.933	14825	0.765	-0.03	TRUE
59.931	15072	0.765	-0.058	TRUE
75.92	19167	0.765	0.015	TRUE
114.904	29116	0.662	0.031	TRUE
137.906	34992	0.662	0.043	TRUE
139.905	35506	0.611	0.057	TRUE
202.972	51613	0.61	0.006	TRUE
204.972	52126	0.559	0.011	TRUE
205.974	52386	0.559	0.025	TRUE
206.976	52633	0.559	-0.011	TRUE
207.977	52893	0.559	0.005	TRUE
208.98	53147	0.61	-0.006	TRUE
238.051	60576	0.559	-0.051	TRUE

Short Term Stability 10-05-04.vge

Excluded In Calib | Excluded In Results | Check Std Failed | Multi Element | Semi Quant | Internal Standard | Standard Addition

Uncorrected ICPS Per Mass

S-Calibration Has Edited Standard
F-Interference Correction Failed
E-Calibration Edited
T-Tripped
I-Invalid Calibration
P-Pulse Counting
V-Valley Integration Failed
M-Result Over Max

Run	Label	TimeStamp	6Bkg	7Li	9Be	59Co	115In	208Pb
1	Stability 10/5/04	10/5/04 9:02:06 AM	(P)0.167	(P)8090.291	(P)2497.885	(P)27103.021	(P)37851.941	(P)13592.297
2	Stability 10/5/04	10/5/04 9:03:08 AM	(P)0.667	(P)8258.387	(P)2541.893	(P)27161.630	(P)38507.855	(P)13772.970
3	Stability 10/5/04	10/5/04 9:04:11 AM	(P)0.000	(P)8382.460	(P)2642.578	(P)27543.862	(P)39184.366	(P)14029.386
4	Stability 10/5/04	10/5/04 9:05:13 AM	(P)0.667	(P)8628.939	(P)2665.416	(P)27384.723	(P)39183.197	(P)14252.940
5	Stability 10/5/04	10/5/04 9:06:15 AM	(P)0.667	(P)8726.498	(P)2717.759	(P)27232.600	(P)39108.000	(P)14229.084
	Mean of Stability 10/	10/5/04 9:01:29 AM	(P)0.433	(P)8417.315	(P)2613.106	(P)27285.167	(P)38767.072	(P)13975.335
	SD of Stability 10/5/04		(P)0.325	(P)261.628	(P)90.698	(P)178.911	(P)584.847	(P)288.117
	%RSD of Stability 10		(P)74.975	(P)3.108	(P)3.471	(P)0.656	(P)1.509	(P)2.062

Run	Label	TimeStamp	209Bi	229Bkg	238U
1	Stability 10/5/04	10/5/04 9:02:06 AM	(P)21683.277	(P)0.333	(P)19725.609
2	Stability 10/5/04	10/5/04 9:03:08 AM	(P)22113.603	(P)0.000	(P)20165.224
3	Stability 10/5/04	10/5/04 9:04:11 AM	(P)22431.599	(P)0.000	(P)20431.434
4	Stability 10/5/04	10/5/04 9:05:13 AM	(P)22716.381	(P)0.167	(P)20834.014
5	Stability 10/5/04	10/5/04 9:06:15 AM	(P)22883.480	(P)0.000	(P)21001.927
	Mean of Stability 10/	10/5/04 9:01:29 AM	(P)22365.668	(P)0.100	(P)20431.641
	SD of Stability 10/5/04		(P)480.799	(P)0.149	(P)513.953
	%RSD of Stability 10		(P)2.150	(P)149.071	(P)2.515

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Analytical Batch
KA0405182

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**Calibration Blank**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:38**					
Lead	206	-0.0006	0.0001	0.0005	**0**	0.0006	0
Lead	207	0.0003	-0.0007	0.0004	**0**	0.0006	0
Lead	208	-0.0003	0	0.0003	**0**	0.0003	0

Jim Chan
10/5/04

Internal Standard Factors:

Lutetium	175	0.984	1.008	1.009	**0.984**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**25 ppb Std. MS5-85-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:40**					
Lead	206	25.02	25.09	24.9	**25**	0.0967	0.3869
Lead	207	25.06	24.92	25.02	**25**	0.0719	0.2876
Lead	208	25.09	24.93	24.98	**25**	0.0788	0.3153

Internal Standard Factors:

Lutetium	175	1.007	0.977	0.968	**1.007**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**ICV MS5-84-B**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:41**					
Lead	206	23.16	23.35	23.22	**23.25**	0.0984	0.4235
Lead	207	25.62	25.96	25.92	**25.83**	0.1841	0.7128
Lead	208	24.64	24.8	24.77	**24.74**	0.0838	0.3388

Internal Standard Factors:

Lutetium	175	0.993	0.97	0.97	**0.993**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		CCV1 MS5-85-A			Mean	SD	%RSD
TimeStamp		10/5/04 10:43					
Lead	206	25.03	24.95	24.87	**24.95**	0.0763	0.3059
Lead	207	24.98	25.04	24.92	**24.98**	0.0592	0.2371
Lead	208	25	25.07	24.95	**25**	0.0598	0.2393

Internal Standard Factors:

Lutetium	175	0.982	0.991	0.97	**0.982**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		ICB			Mean	SD	%RSD
TimeStamp		10/5/04 10:44					
Lead	206	0.0108	0.0097	0.0067	**0.009**	0.0021	23.18
Lead	207	0.0109	0.0075	0.0047	**0.0077**	0.0031	39.95
Lead	208	0.0112	0.0075	0.0051	**0.0079**	0.0031	39

Internal Standard Factors:

Lutetium	175	1.016	1.007	1.003	**1.016**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCB1**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:44**					
Lead	206	0.0029	0.0043	0.0023	**0.0032**	0.001	31.92
Lead	207	0.0013	-0.0001	0.0013	**0.0008**	0.0008	95.47
Lead	208	0.0024	0.0023	0.0016	**0.0021**	0.0004	19.93

Internal Standard Factors:

Lutetium	175	1.014	1.005	1.001	**1.014**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CRA SOIL MS5-82-E**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:46**					
Lead	206	0.04	0.0449	0.0464	**0.0437**	0.0033	7.619
Lead	207	0.0503	0.045	0.0436	**0.0463**	0.0035	7.622
Lead	208	0.044	0.0436	0.0431	**0.0436**	0.0005	1.045

Internal Standard Factors:

Lutetium	175	0.979	0.977	0.94	**0.979**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**ICSA MS5-81-D**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:47**					
Lead	206	0.1404	0.144	0.1414	**0.1419**	0.0019	1.307
Lead	207	0.143	0.1483	0.1513	**0.1475**	0.0042	2.827
Lead	208	0.1469	0.1481	0.1472	**0.1474**	0.0006	0.4152

Internal Standard Factors:

Lutetium	175	1.099	1.082	1.076	**1.099**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**ICSAB MS5-81-E**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:48**					
Lead	206	0.1382	0.1422	0.1485	**0.143**	0.0052	3.617
Lead	207	0.1479	0.1447	0.1463	**0.1463**	0.0016	1.075
Lead	208	0.1425	0.1456	0.1496	**0.1459**	0.0036	2.445

Internal Standard Factors:

Lutetium	175	1.072	1.069	1.062	**1.072**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**PBS K6713 1/5 (1-23)**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:49**					
Lead	206	0.0441	0.0431	0.0484	**0.0452**	0.0028	6.169
Lead	207	0.0431	0.0491	0.0446	**0.0456**	0.0031	6.862
Lead	208	0.0454	0.0453	0.0458	**0.0455**	0.0003	0.5689

Internal Standard Factors:

Lutetium	175	0.918	0.903	0.903	**0.918**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		PBS K6713 1/5 (24-40)			Mean	SD	%RSD
TimeStamp		10/5/04 10:51					
Lead	206	0.0324	0.0321	0.0362	**0.0336**	0.0023	6.835
Lead	207	0.0295	0.036	0.0369	**0.0342**	0.004	11.77
Lead	208	0.0316	0.0341	0.0351	**0.0336**	0.0018	5.435

Internal Standard Factors:

Lutetium	175	0.838	0.889	0.883	**0.838**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**LCSS K6713 1/20 (1-23)**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:52**					
Lead	206	56.5	56.7	56.27	**56.49**	0.2131	0.3773
Lead	207	64.79	64.51	64.37	**64.56**	0.2137	0.331
Lead	208	61.61	61.64	61.27	**61.5**	0.2073	0.337

Internal Standard Factors:

Lutetium	175	1.04	1.007	1.002	**1.04**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		LCSS K6713 1/20 (24-40)			Mean	SD	%RSD
TimeStamp		10/5/04 10:53					
Lead	206	57.2	57.7	57.45	**57.45**	0.2469	0.4298
Lead	207	65.14	66.1	65.69	**65.64**	0.4822	0.7346
Lead	208	62.25	62.75	62.3	**62.43**	0.2725	0.4365

Internal Standard Factors:

Lutetium	175	1.019	1.008	0.993	**1.019**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-35 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:54**					
Lead	206	21.6	21.47	21.48	**21.52**	0.0718	0.3337
Lead	207	22.91	23.14	22.94	**23**	0.1229	0.5345
Lead	208	22.39	22.64	22.41	**22.48**	0.138	0.6139

Internal Standard Factors:

Lutetium	175	0.885	0.898	0.888	**0.885**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-35D 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:55**					
Lead	206	21.59	21.55	21.54	**21.56**	0.0264	0.1224
Lead	207	23.06	23.01	22.9	**22.99**	0.0801	0.3484
Lead	208	22.66	22.62	22.43	**22.57**	0.1238	0.5483

Internal Standard Factors:

Lutetium	175	0.912	0.896	0.884	**0.912**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-35L 1/5 X 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 10:56**					
Lead	206	4.813	4.766	4.777	**4.785**	0.0244	0.5097
Lead	207	5.111	5.046	5.16	**5.106**	0.0576	1.127
Lead	208	4.965	4.951	5.035	**4.984**	0.0451	0.9046

Internal Standard Factors:

Lutetium	175	0.945	0.938	0.939	**0.945**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCV2 MS5-85-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:01**					
Lead	206	24.4	24.93	25.07	**24.8**	0.3509	1.415
Lead	207	24.86	24.7	24.96	**24.84**	0.1311	0.5277
Lead	208	24.83	24.97	25.17	**24.99**	0.1708	0.6835

Internal Standard Factors:

Lutetium	175	0.99	0.968	0.967	**0.99**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCB2**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:03**					
Lead	206	0.0254	0.0156	0.0098	**0.0169**	0.0079	46.57
Lead	207	0.0268	0.0142	0.0058	**0.0156**	0.0106	67.58
Lead	208	0.0244	0.0137	0.0076	**0.0153**	0.0085	55.7

Internal Standard Factors:

Lutetium	175	0.998	0.984	0.968	**0.998**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-35A 1/5 +50			Mean	SD	%RSD
TimeStamp		10/5/04 11:05					
Lead	206	63.14	67.35	67.47	**65.99**	2.465	3.735
Lead	207	66.06	70.54	70.47	**69.02**	2.565	3.716
Lead	208	64.72	69.33	69.46	**67.84**	2.699	3.978

Internal Standard Factors:

Lutetium	175	0.934	0.973	0.962	**0.934**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-35S 1/20			Mean	SD	%RSD
TimeStamp		10/5/04 11:06					
Lead	206	52.57	52.52	52.46	**52.52**	0.0566	0.1078
Lead	207	60.15	59.34	59.53	**59.67**	0.4238	0.7102
Lead	208	56.8	56.44	56.33	**56.52**	0.2429	0.4297

Internal Standard Factors:

Lutetium	175	1.004	0.98	0.985	**1.004**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-03 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:07					
Lead	206	559.6	593.5	580.6	**577.9**	17.08	2.955
Lead	207	622.6	662	643.8	**642.8**	19.73	3.07
Lead	208	603	640.5	626.1	**623.2**	18.9	3.033

Int. Std. Out SC 10/5/04

Internal Standard Factors:

Lutetium	175	0.801	0.84	0.818	**0.801**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-05 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:09					
Lead	206	362.2	358.3	361	**360.5**	1.981	0.5495
Lead	207	373.4	378.2	375	**375.6**	2.457	0.6542
Lead	208	375.9	374.6	373.6	**374.7**	1.13	0.3014

Internal Standard Factors:

Lutetium	175	0.838	0.837	0.831	**0.838**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-06 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:10					
Lead	206	763	744.9	749.4	**752.4**	9.446	1.255
Lead	207	834.8	827.8	834.7	**832.4**	4.043	0.4857
Lead	208	815.2	802	807.6	**808.2**	6.624	0.8196

Int. std
out
JC 10/5/04

Internal Standard Factors:

Lutetium	175	0.825	0.796	0.807	**0.825**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-10 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:11					
Lead	206	104.6	108	107.3	**106.6**	1.795	1.683
Lead	207	111.7	114.6	114.7	**113.7**	1.693	1.489
Lead	208	114.6	116.2	116.2	**115.7**	0.9069	0.7839

Int Std
Out
JC 10/5/04

Internal Standard Factors:

Lutetium	175	0.823	0.827	0.831	**0.823**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-11 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:13**					
Lead	206	171.1	168.6	169.4	**169.7**	1.299	0.7653
Lead	207	163.2	165.7	164.4	**164.5**	1.257	0.7641
Lead	208	175	174	174.2	**174.4**	0.5497	0.3152

HH std out
JC 10/5/04

Internal Standard Factors:

Lutetium	175	0.792	0.779	0.79	**0.792**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-13 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:14**					
Lead	206	597.1	596.1	595.5	**596.2**	0.8502	0.1426
Lead	207	592.4	596.3	594.4	**594.3**	1.951	0.3283
Lead	208	608.1	610.5	606	**608.2**	2.238	0.3679

Internal Standard Factors:

Lutetium	175	0.875	0.891	0.888	**0.875**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-18 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:16**					
Lead	206	47.54	47.96	47.61	**47.7**	0.228	0.4779
Lead	207	50.41	50.93	51.68	**51.01**	0.6398	1.254
Lead	208	49.22	49.7	49.93	**49.62**	0.3619	0.7295

Internal Standard Factors:

Lutetium	175	0.904	0.908	0.902	**0.904**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-19 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:17					
Lead	206	54.53	54.32	51.35	**53.4**	1.78	3.333
Lead	207	58.82	58.67	55.56	**57.68**	1.841	3.192
Lead	208	56.91	56.62	53.61	**55.71**	1.825	3.276

Internal Standard Factors:

Lutetium	175	0.886	0.885	0.838	**0.886**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCV3 MS5-85-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:19**					
Lead	206	25.13	24.88	24.88	**24.96**	0.1428	0.5721
Lead	207	24.95	24.74	25.06	**24.92**	0.1608	0.6455
Lead	208	24.99	24.8	24.97	**24.92**	0.1062	0.4261

Internal Standard Factors:

Lutetium	175	0.974	0.957	0.952	**0.974**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCB3**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:25**					
Lead	206	0.0015	0.0027	0.0012	**0.0018**	0.0008	44.02
Lead	207	0.0016	0.0023	0.0016	**0.0018**	0.0004	22.84
Lead	208	0.0017	0.0021	0.0015	**0.0017**	0.0003	17.44

Internal Standard Factors:

Lutetium	175	0.981	1.024	1.016	**0.981**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-18L 1/5 X 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:27					
Lead	206	9.996	10.14	10.15	**10.09**	0.0851	0.8435
Lead	207	10.81	10.91	10.76	**10.83**	0.0746	0.6886
Lead	208	10.55	10.59	10.53	**10.56**	0.0302	0.2858

Internal Standard Factors:

Lutetium	175	1.018	0.994	0.986	**1.018**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-18A 1/5 +50			Mean	SD	%RSD
TimeStamp		10/5/04 11:27					
Lead	206	89.83	90.06	89.21	**89.7**	0.4412	0.4918
Lead	207	95.44	95.64	95.16	**95.41**	0.2419	0.2536
Lead	208	92.82	93	92.71	**92.84**	0.1444	0.1555

Internal Standard Factors:

Lutetium	175	1.097	1.065	1.056	**1.097**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-26 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:29					
Lead	206	41.6	42.05	42.03	**41.9**	0.2542	0.6068
Lead	207	46.28	46.3	46.45	**46.34**	0.0898	0.1937
Lead	208	44.11	44.42	44.58	**44.37**	0.2406	0.5424

Internal Standard Factors:

Lutetium	175	0.931	0.922	0.924	**0.931**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-27 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:30					
Lead	206	38.98	39.41	39.63	**39.34**	0.3278	0.8332
Lead	207	42.39	42.59	43.07	**42.69**	0.3495	0.8187
Lead	208	40.93	41.14	41.63	**41.23**	0.3578	0.8677

Internal Standard Factors:

Lutetium	175	0.945	0.938	0.941	**0.945**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-28 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:31					
Lead	206	34.9	35.01	34.91	**34.94**	0.0608	0.1739
Lead	207	38.03	38.15	37.65	**37.94**	0.2618	0.6901
Lead	208	36.69	36.74	36.42	**36.62**	0.175	0.4778

Internal Standard Factors:

Lutetium	175	0.931	0.915	0.907	**0.931**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-29 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:32					
Lead	206	25.93	25.91	25.69	**25.84**	0.1289	0.4989
Lead	207	27.56	27.18	27.51	**27.42**	0.2086	0.7608
Lead	208	27	26.84	26.9	**26.92**	0.0806	0.2993

Internal Standard Factors:

Lutetium	175	0.954	0.937	0.934	**0.954**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-30 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:33					
Lead	206	131.5	140.5	139.6	**137.2**	4.925	3.59
Lead	207	137.9	147.4	146.7	**144**	5.303	3.683
Lead	208	142.6	150.2	149.7	**147.5**	4.255	2.885

Internal Standard Factors:

Lutetium	175	0.909	0.947	0.944	**0.909**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-31 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:34					
Lead	206	161	162.4	160.1	**161.2**	1.141	0.708
Lead	207	171	170.4	170.9	**170.8**	0.3216	0.1883
Lead	208	175.7	174.1	173.8	**174.5**	1.021	0.585

Internal Standard Factors:

Lutetium	175	0.985	0.961	0.968	**0.985**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-34 1/5			Mean	SD	%RSD
TimeStamp		10/5/04 11:35					
Lead	206	31.12	31.12	31.36	**31.2**	0.1348	0.432
Lead	207	33.55	33.53	33.76	**33.62**	0.1268	0.3772
Lead	208	32.76	32.74	33.02	**32.84**	0.1537	0.4681

Internal Standard Factors:

Lutetium	175	0.917	0.9	0.907	**0.917**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-36 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:36**					
Lead	206	176.3	185	180.5	**180.6**	4.349	2.408
Lead	207	182.5	195.9	193.2	**190.5**	7.061	3.706
Lead	208	189	199.8	194.9	**194.6**	5.39	2.77

Internal Standard Factors:

Lutetium	175	0.918	0.96	0.938	**0.918**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCV4 MS5-85-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:37**					
Lead	206	24.42	24.52	24.22	**24.39**	0.1523	0.6245
Lead	207	24.4	24.2	24.33	**24.31**	0.1018	0.4186
Lead	208	24.53	24.34	24.33	**24.4**	0.1121	0.4592

Internal Standard Factors:

Lutetium	175	1.022	1.002	0.996	**1.022**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCB4**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:41**					
Lead	206	0.0029	0.0024	0.0041	**0.0031**	0.0009	28.22
Lead	207	0.0032	0.0033	0.0027	**0.003**	0.0003	9.985
Lead	208	0.0025	0.0027	0.0029	**0.0027**	0.0002	6.701

Internal Standard Factors:

Lutetium	175	1.007	1.047	1.036	**1.007**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-37 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:43**					
Lead	206	255	267	260.3	**260.8**	5.996	2.299
Lead	207	290.4	302.3	295.5	**296.1**	5.979	2.019
Lead	208	279.8	292.8	284.6	**285.8**	6.567	2.298

Internal Standard Factors:

Lutetium	175	0.917	0.953	0.93	**0.917**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-38 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:44**					
Lead	206	85.13	87.39	92.49	**88.33**	3.77	4.267
Lead	207	94.9	97.21	103.2	**98.43**	4.27	4.338
Lead	208	96.49	97.3	103.3	**99.04**	3.728	3.765

Internal Standard Factors:

Lutetium	175	0.903	0.907	0.958	**0.903**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-39 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:45**					
Lead	206	193.9	192.8	183.3	**190**	5.837	3.073
Lead	207	205.6	202.5	205.8	**204.6**	1.833	0.8961
Lead	208	210.2	206.3	203.8	**206.7**	3.213	1.554

Internal Standard Factors:

Lutetium	175	0.982	0.978	0.968	**0.982**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-40 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 11:46**					
Lead	206	137.8	147.2	148	**144.4**	5.696	3.946
Lead	207	154.9	166.4	165.7	**162.3**	6.456	3.977
Lead	208	157.2	165.8	166.2	**163.1**	5.038	3.089

Internal Standard Factors:

Lutetium	175	0.919	0.966	0.966	**0.919**	n/a	n/a

Instrument ID: Thermo Elemental Excell | **Method: EPA 6020**
Experiment: 10-05-04B | **Analyst: Jim Chan**
Units: µg/L (ppb) | **Analysis Lot # : KA0405182**

Sample Name:		**K6713-23 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:01**					
Lead	206	161.7	182.8	181	**175.2**	11.68	6.665
Lead	207	170	192.8	189.7	**184.2**	12.36	6.712
Lead	208	182.3	198.6	194.8	**191.9**	8.555	4.458

Internal Standard Factors:

Lutetium	175	1.045	1.12	1.091	**1.045**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-23D 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:02					
Lead	206	173.1	173.2	171.7	**172.7**	0.8331	0.4825
Lead	207	182.7	181.9	180.6	**181.8**	1.038	0.571
Lead	208	188.1	185.1	183.6	**185.6**	2.326	1.253

Internal Standard Factors:

Lutetium	175	1.086	1.065	1.05	**1.086**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-23S 1/20 X1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:03					
Lead	206	51.73	52.04	53.15	**52.31**	0.7479	1.43
Lead	207	53.7	53.86	55.31	**54.29**	0.8903	1.64
Lead	208	52.97	53.03	54.25	**53.42**	0.7204	1.349

Internal Standard Factors:

Lutetium	175	1.063	1.051	0.988	**1.063**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-01 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:04					
Lead	206	128	127.2	128.9	**128**	0.8535	0.6667
Lead	207	145.4	145.5	146.1	**145.7**	0.3808	0.2614
Lead	208	145.7	143.8	143.7	**144.4**	1.116	0.7733

Internal Standard Factors:

Lutetium	175	1.12	1.09	1.093	**1.12**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-02 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:18					
Lead	206	113.1	116.1	125.2	**118.2**	6.284	5.318
Lead	207	128.5	132.2	141.5	**134.1**	6.724	5.016
Lead	208	131.4	133.3	141.6	**135.4**	5.452	4.025

Internal Standard Factors:

Lutetium	175	1.048	1.06	1.122	**1.048**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-04 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:19**					
Lead	206	119.7	120.7	120.4	**120.3**	0.528	0.439
Lead	207	131.6	132.7	132.7	**132.3**	0.6388	0.4828
Lead	208	133.7	132.4	131.5	**132.5**	1.11	0.8379

Internal Standard Factors:

Lutetium	175	1.11	1.1	1.096	**1.11**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		CCV5 MS5-85-A			Mean	SD	%RSD
TimeStamp		10/5/04 12:21					
Lead	206	23.81	23.79	23.65	**23.75**	0.0866	0.3645
Lead	207	23.89	23.7	23.75	**23.78**	0.1006	0.4232
Lead	208	24	23.76	23.69	**23.82**	0.1672	0.7022

Internal Standard Factors:

Lutetium	175	1.104	1.079	1.076	**1.104**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		CCB5			Mean	SD	%RSD
TimeStamp		10/5/04 12:23					
Lead	206	0.0193	0.0119	0.0084	**0.0132**	0.0055	41.84
Lead	207	0.0195	0.0115	0.0104	**0.0138**	0.005	36.21
Lead	208	0.0185	0.0121	0.0086	**0.0131**	0.005	38.63

Internal Standard Factors:

Lutetium	175	1.124	1.103	1.102	**1.124**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-07 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:24					
Lead	206	100.4	106.4	107.1	**104.7**	3.686	3.521
Lead	207	112.9	120.5	121.1	**118.2**	4.59	3.884
Lead	208	114.3	119.6	118.9	**117.6**	2.862	2.434

Internal Standard Factors:

Lutetium	175	1.102	1.15	1.148	**1.102**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-12 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:25					
Lead	206	169	172.2	169.2	**170.1**	1.761	1.035
Lead	207	179.2	181.6	177.4	**179.4**	2.11	1.176
Lead	208	183.1	185.2	180.3	**182.9**	2.492	1.363

Internal Standard Factors:

Lutetium	175	1.15	1.143	1.118	**1.15**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-14 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:26					
Lead	206	241.7	223.3	237.5	**234.2**	9.633	4.113
Lead	207	237.4	235.5	238	**237**	1.297	0.5474
Lead	208	249.9	240.7	244.5	**245**	4.606	1.88

Internal Standard Factors:

Lutetium	175	1.138	1.104	1.116	**1.138**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-15 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:28					
Lead	206	492.4	493.2	488	**491.2**	2.795	0.5689
Lead	207	505.8	504.6	505.2	**505.2**	0.6233	0.1234
Lead	208	507.6	509.7	508.3	**508.6**	1.086	0.2136

Internal Standard Factors:

Lutetium	175	1.095	1.08	1.09	**1.095**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-20 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:29**					
Lead	206	285.2	278	276.6	**279.9**	4.633	1.655
Lead	207	325	317.1	301.9	**314.6**	11.74	3.731
Lead	208	312.1	303.1	299.6	**304.9**	6.406	2.101

Internal Standard Factors:

Lutetium	175	1.112	1.078	1.084	**1.112**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-21 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:30**					
Lead	206	138	138.5	139.5	**138.7**	0.7604	0.5483
Lead	207	157.1	157.5	159.5	**158**	1.246	0.7887
Lead	208	157.6	154.3	154.9	**155.6**	1.759	1.13

Internal Standard Factors:

Lutetium	175	1.149	1.107	1.125	**1.149**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-22 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:31**					
Lead	206	249.5	242	241.9	**244.5**	4.371	1.788
Lead	207	242	242.9	242.1	**242.4**	0.4955	0.2044
Lead	208	256.8	249	249.6	**251.8**	4.299	1.707

Internal Standard Factors:

Lutetium	175	1.18	1.138	1.145	**1.18**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-03 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:33**					
Lead	206	72.15	71.9	71.72	**71.92**	0.219	0.3045
Lead	207	80.03	80.73	80.06	**80.27**	0.395	0.4921
Lead	208	76.31	76.38	76.71	**76.47**	0.2166	0.2832

Internal Standard Factors:

Lutetium	175	1.157	1.136	1.146	**1.157**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-06 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:34**					
Lead	206	85.54	85.85	85.65	**85.68**	0.1548	0.1807
Lead	207	95.5	96.63	96.57	**96.23**	0.6343	0.6591
Lead	208	90.3	90.91	91.27	**90.83**	0.4904	0.54

Internal Standard Factors:

Lutetium	175	1.186	1.166	1.173	**1.186**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**K6713-10 1/5 X 1/10**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:35**					
Lead	206	14.2	14.09	14.09	**14.13**	0.0638	0.4515
Lead	207	14.51	14.53	14.65	**14.57**	0.0772	0.5296
Lead	208	14.36	14.34	14.33	**14.34**	0.0141	0.0985

Internal Standard Factors:

Lutetium	175	1.138	1.108	1.124	**1.138**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		**CCV6 MS5-85-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:36**					
Lead	206	23.19	23.35	23.36	**23.3**	0.0997	0.428
Lead	207	22.81	22.89	22.95	**22.88**	0.0701	0.3062
Lead	208	23.06	23.02	23.02	**23.03**	0.0206	0.0894

Internal Standard Factors:

Lutetium	175	1.166	1.135	1.135	**1.166**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		CCB6			Mean	SD	%RSD
TimeStamp		10/5/04 12:39					
Lead	206	0.0048	0.0039	0.0037	**0.0041**	0.0006	13.49
Lead	207	0.0044	0.0037	0.005	**0.0044**	0.0007	14.95
Lead	208	0.005	0.0041	0.0046	**0.0046**	0.0004	9.155

Internal Standard Factors:

Lutetium	175	1.09	1.14	1.121	**1.09**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		K6713-11 1/5 X 1/10			Mean	SD	%RSD
TimeStamp		10/5/04 12:41					
Lead	206	21.11	20.91	20.8	**20.94**	0.1548	0.7392
Lead	207	22.74	22.4	22.38	**22.51**	0.2006	0.8912
Lead	208	22.13	21.97	21.95	**22.02**	0.0986	0.4478

Internal Standard Factors:

Lutetium	175	1.143	1.124	1.122	**1.143**	n/a	n/a

Instrument ID: Thermo Elemental Excell
Experiment: 10-05-04B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Jim Chan
Analysis Lot # : KA0405182

Sample Name:		CCV7 MS5-85-A			Mean	SD	%RSD
TimeStamp		10/5/04 12:42					
Lead	206	23.18	22.7	22.91	**22.93**	0.2438	1.063
Lead	207	23.51	23.37	23.49	**23.46**	0.0756	0.3223
Lead	208	23.55	23.16	23.26	**23.32**	0.2013	0.8629

Internal Standard Factors:

Lutetium	175	1.177	1.144	1.14	**1.177**	n/a	n/a

Instrument ID: Thermo Elemental Excell | **Method: EPA 6020**
Experiment: 10-05-04B | **Analyst: Jim Chan**
Units: µg/L (ppb) | **Analysis Lot # : KA0405182**

Sample Name:		**CCB7**			**Mean**	**SD**	**%RSD**
TimeStamp		**10/5/04 12:45**					
Lead	206	0.0091	0.0079	0.0082	**0.0084**	0.0007	7.812
Lead	207	0.0088	0.0061	0.0049	**0.0066**	0.002	30.45
Lead	208	0.0074	0.0067	0.0055	**0.0066**	0.001	14.67

Internal Standard Factors:

Lutetium	175	1.105	1.156	1.15	**1.105**	n/a	n/a

TCLP Metals
EPA Method 6000/7000

TCLP METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Sample No.	Lab Sample ID.
SS-090204-MG-030	K2406713-008
SS-090204-MG-030D	K2406713-008D
SS-090204-MG-030S	K2406713-008S
SS-090204-MG-031	K2406713-009
SS-090204-MG-038	K2406713-016
SS-090204-MG-039	K2406713-017
SS-090204-MG-046	K2406713-024
SS-090204-MG-047	K2406713-025
SS-090204-MG-055	K2406713-032
SS-090204-MG-056	K2406713-033
SS-090204-MG-064	K2406713-041
SS-090204-MG-065	K2406713-042
Method Blank	K2406713-MB

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

Signature: Eileen M Arnold Date: 10/6/04

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-030
Lab Code: K2406713-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

TCLP METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-031
Lab Code: K2406713-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.07		

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-038
Lab Code: K2406713-016

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-039
Lab Code: K2406713-017

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-046
Lab Code: K2406713-024

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.11		

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-047
Lab Code: K2406713-025

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.05	B	

% Solids: 0.0

Comments:

TCLP METALS
-1-
INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-055
Lab Code: K2406713-032

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-056
Lab Code: K2406713-033

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-064
Lab Code: K2406713-041

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

00175

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected: 09/02/04
Date Received: 09/03/04
Units: MG/L
Basis: NA

Sample Name: SS-090204-MG-065
Lab Code: K2406713-042

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

00176

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Date Collected:
Date Received:
Units: MG/L
Basis: NA

Sample Name: Method Blank
Lab Code: K2406713-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	0.05	0.04	1	9/16/04	9/20/04	0.04	U	

% Solids: 0.0

Comments:

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: Inorganic Ventures CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead	2500	2530	101	5000	5070	101	5050	101	6010B

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				5000	5070	101	5050	101	6010B

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				5000	5050	101	5030	101	6010B

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				5000	4920	98	4990	100	6010B

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICV Source: CCV Source: CAS Mixed Solutions

Concentration Units: ug/I

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				5000	5070	101			6010B

TCLP METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Concentration Units: ug/I

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Lead				50	37.8	76		

TCLP METALS
- 3 -
BLANKS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank C			Method
Lead	40.00	U	40.00	U	40.00	U	40.00	U					6010B

TCLP METALS
- 3 -
BLANKS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank C			Method
Lead			40.00	U	40.00	U	40.00	U					6010B

TCLP METALS
- 3 -
BLANKS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank C			Method
Lead			40.00	U	40.00	U	40.00	U					6010B

TCLP METALS
- 4 -
ICP INTERFERENCE CHECK SAMPLE

Client: Conestoga Rovers & Assoc. Service Request:K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP ID Number: TJA ICP-OES 6.2 ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Lead		1000	12.8	991	99			

TCLP METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: SS-090204-MG-030S
Lab Code: K2406713-008S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Lead	75 - 125	4.67		0.04	U	5.00	93		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

TCLP METALS
- 6 -
DUPLICATES

Client: Conestoga Rovers & Assoc.
Project No.: 19190
Project Name: RMC Attica, In.
Matrix: TCLP

Service Request: K2406713
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: SS-090204-MG-030D
Lab Code: K2406713-008D

Analyte	Control Limit(%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Lead		0.04	U	0.04	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

TCLP METALS
- 7 -
LABORATORY CONTROL SAMPLE

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Aqueous LCS Source: Inorganic Ventures Solid LCS Source:

Analyte	Aqueous mg/L True	Aqueous mg/L Found	Aqueous mg/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits	Solid (mg/kg) %R
Lead	5.00	4.87	97					

TCLP METALS
- 9 -
ICP SERIAL DILUTIONS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190 Units: ug/L

Project Name: RMC Attica, In.

Sample Name: SS-090204-MG-030L Lab Code: K2406713-008L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-	Q	Method
Lead	40.0	U	200	U			6010B

TCLP METALS
-10-
METHOD DETECTION LIMITS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP/ICP-MS ID #: TJA ICP-OES 6.2

GFAA ID #: AA ID #:

Analyte	Wave-length	Back-ground	MRL (mg/L)	MDL (mg/L)	Method
Lead	220.30		0.05	0.04	6010B

Comments

TCLP METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP ID Number: TJA ICP-OES 6.2 Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As
Aluminum	308.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.6	0.0046000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.6	0.0000000	0.0000000	0.0004500	0.0003400	0.0000000
Cadmium	228.8	0.0000000	0.0000000	-0.0000600	0.0000000	0.0250000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	-0.0000300	0.0000000	0.0000000
Cobalt	228.6	-0.0000200	0.0000000	0.0000370	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	-0.0000800	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0014000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	0.0000000	0.0000000	0.0041000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	-0.0002000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000600	0.0000000	0.0000000
Phosphorus	214.9	0.0069000	0.0000000	0.0056000	0.0041000	0.0000000
Potassium	766.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	-0.0001000	0.0000000	0.0000000
Silicon	288.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	-0.0003000	0.0000000	0.0000000
Sodium	588.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0062000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	-0.0001000	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	0.0000000	0.0000500	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000410	0.0000000	0.0000000

Comments: _____

TCLP METALS
-11B-
ICP INTERELEMENT CORRECTION FACTORS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP ID Number: TJA ICP-OES 6.2 Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Mn	Mo	Ni
Aluminum	308.2	-0.0170000	0.0000000	0.0000000	0.0230000	0.0000000
Antimony	206.8	-0.0032100	0.0200000	0.0000000	0.0049000	-0.0070300
Arsenic	193.6	0.0000000	0.0012000	-0.0015000	0.0008360	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	-0.0000470	0.0000000
Boron	249.6	0.0009000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.8	-0.0059400	0.0000000	0.0000000	0.0000000	-0.0004600
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	-0.0003200	0.0000000
Cobalt	228.6	0.0000000	0.0005500	0.0000000	0.0003050	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	-0.0068000	-0.0008800	0.0000000
Lead	220.3	-0.0078200	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	-0.0029000	-0.0013600	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0004260	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001700
Nickel	231.6	0.0005200	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	0.0076000	0.0000000
Potassium	766.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0007400	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.1	0.0000000	-0.0025000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0002100	0.0000000	0.0000000
Sodium	588.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0111000	0.0000000	0.0000000
Tin	189.9	0.0000000	-0.0100000	0.0000000	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	-0.0058400	-0.0001000	-0.0092000	0.0000000
Zinc	213.8	-0.0000630	0.0000000	0.0000000	-0.0002000	0.0044800

Comments: _____

TCLP METALS
-11B-
ICP INTERELEMENT CORRECTION FACTORS

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP ID Number: TJA ICP-OES 6.2 Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	V			
Aluminum	308.2	-0.0004000	-0.0028000			
Antimony	206.8	0.0000000	-0.0070000			
Arsenic	193.6	0.0000000	0.0099000			
Barium	493.4	0.0000000	0.0000000			
Beryllium	313.0	0.0000200	0.0011000			
Boron	249.6	0.0000000	0.0000000			
Cadmium	228.8	0.0000000	0.0000900			
Calcium	317.9	0.0000000	0.0005000			
Chromium	267.7	0.0000400	0.0006000			
Cobalt	228.6	0.0018000	0.0000000			
Copper	324.7	-0.0007000	-0.0001000			
Iron	259.9	-0.0011000	0.0003000			
Lead	220.3	0.0007000	0.0000000			
Magnesium	383.2	-0.0042000	0.0000000			
Manganese	257.6	0.0000000	-0.0000700			
Molybdenum	202.0	0.0000000	0.0000000			
Nickel	231.6	0.0000000	0.0000000			
Phosphorus	214.9	0.0000000	0.0000000			
Potassium	766.5	0.0000000	0.0000000			
Selenium	196.0	0.0000000	0.0000000			
Silicon	288.1	0.0000000	0.0000000			
Silver	328.0	0.0000000	-0.0091000			
Sodium	588.9	0.0000000	0.0000000			
Strontium	421.5	0.0000000	0.0000000			
Thallium	190.8	-0.0005000	0.0000000			
Tin	189.9	0.0072000	0.0000000			
Titanium	334.9	0.0000000	0.0000000			
Vanadium	292.4	0.0003000	0.0000000			
Zinc	213.8	-0.0000200	0.0000000			

Comments:

TCLP METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

ICP ID Number: TJA ICP-OES 6.2

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Lead	5.00	180000.0	6010B

Comments:

TCLP METALS
- 13 -
PREPARATION LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project RMC Attica, In.

Method: P

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSE	9/16/04	EPA 3010B	50	50
K2406713-MB	9/16/04	EPA 3010B	50	50
K2406713-008	9/16/04	EPA 3010B	50	50
K2406713-008D	9/16/04	EPA 3010B	50	50
K2406713-008S	9/16/04	EPA 3010B	50	50
K2406713-009	9/16/04	EPA 3010B	50	50
K2406713-016	9/16/04	EPA 3010B	50	50
K2406713-017	9/16/04	EPA 3010B	50	50
K2406713-024	9/16/04	EPA 3010B	50	50
K2406713-025	9/16/04	EPA 3010B	50	50
K2406713-032	9/16/04	EPA 3010B	50	50
K2406713-033	9/16/04	EPA 3010B	50	50
K2406713-041	9/16/04	EPA 3010B	50	50
K2406713-042	9/16/04	EPA 3010B	50	50

Columbia Analytical Services

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Instrument ID Number: TJA ICP-OES 6.2 Method: P

Start Date: 9/20/04 End Date: 9/20/04

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-STD1-BLANK	1.00	11:34													X												
CAL-STD3	1.00	11:36													X												
CAL-STD2	1.00	11:37																									
ICV	1.00	11:40													X												
ZZZZZZ	1.00	11:42																									
ICB	1.00	11:44													X												
CCV1	1.00	11:48													X												
CCB1	1.00	11:51													X												
CRI	1.00	11:54													X												
ICSA	1.00	12:03													X												
ICSAB	1.00	12:10													X												
ZZZZZZ	1.00	12:13																									
ZZZZZZ	1.00	12:14																									
ZZZZZZ	1.00	12:16																									
ZZZZZZ	1.00	12:17																									
ZZZZZZ	1.00	12:19																									
ZZZZZZ	5.00	12:20																									
ZZZZZZ	1.00	12:21																									
CCV2	1.00	12:23													X												
CCB2	1.00	12:26													X												
ZZZZZZ	1.00	12:27																									
ZZZZZZ	1.00	12:31																									
ZZZZZZ	1.00	12:32																									
ZZZZZZ	1.00	12:34																									
ZZZZZZ	1.00	12:37																									
CCV3	1.00	12:41													X												
CCB3	1.00	12:43													X												
CCV4	1.00	13:46													X												
CCB4	1.00	13:49													X												
K2406713-MB	1.00	13:52													X												

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Columbia Analytical Services

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: Conestoga Rovers & Assoc. Service Request: K2406713

Project No.: 19190

Project Name: RMC Attica, In.

Instrument ID Number: TJA ICP-OES 6.2 Method: P

Start Date: 9/20/04 End Date: 9/20/04

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
LCSE	1.00	13:53													X												
ZZZZZZ	1.00	13:55																									
ZZZZZZ	1.00	13:59																									
ZZZZZZ	1.00	14:01																									
ZZZZZZ	1.00	14:02																									
ZZZZZZ	1.00	14:05																									
CCV5	1.00	14:07													X												
CCB5	1.00	14:09													X												
CCV6	1.00	14:16													X												
CCB6	1.00	14:20													X												
K2406713-008	1.00	14:21													X												
K2406713-008D	1.00	14:23													X												
K2406713-008S	1.00	14:26													X												
K2406713-008L	5.00	14:28													X												
K2406713-009	1.00	14:30													X												
K2406713-016	1.00	14:32													X												
K2406713-017	1.00	14:35													X												
K2406713-024	1.00	14:37													X												
K2406713-025	1.00	14:39													X												
CCV7	1.00	14:41													X												
CCB7	1.00	14:43													X												
CCV8	1.00	15:03													X												
CCB8	1.00	15:05													X												
K2406713-032	1.00	15:07													X												
K2406713-033	1.00	15:09													X												
K2406713-041	1.00	15:11													X												
K2406713-042	1.00	15:13													X												
CCV9	1.00	15:15													X												
CCB9	1.00	15:17													X												

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

TCLP Extraction Worksheet

Service Request Number(s) :

TCLP/WET Batch
KL0100987

Method : (1311) 1312 Wet Ext. TCLP

Sample Number	Sample Description (Solid, Liquid, Multiphasic)	Partical Size < 1cm ?	Solution Determination Weight (g)	Initial pH	Aliquot of 1N HCl (mL)	Final pH	Solution To Be Used	Extraction Weight (g)	Extraction Solution Volume (mL)	Post-Extraction pH
PBE							#1		2000	
K6679-12	solid	yes	5.00	7.28	3.5	1.52		100		5.00
-13			5.00	7.02		1.50				7.95
-14			5.00	7.43		1.51				5.02
K6713-8			5.00	8.16		1.52		60.0	1200	5.17
-9			5.00	8.08		1.52		72.0	1440	5.17
-16			5.00	8.22		1.54		100	2000	5.89
-17			5.00	8.22		1.53		52.0	1040	6.23
-24			5.02	8.38		1.59		51.0	1020	5.84
-25			5.00	8.63		1.60		100	2000	6.04
-32			5.00	8.46		1.55				5.86
-33			5.00	8.39		1.56				5.87
-41			5.00	9.00		1.60				6.00
-42			5.00	8.85		1.57		50.0	1000	6.48
K6977-1			5.00	11.02		2.19		100	2000	7.15

pH Meter Calibrated at pH4 & pH7 Today? (Yes) / No

Extraction Solution Prep date: (#1) 8-30-04 DG1-16-A

Extraction Solution pH: 4.92

Extraction Started Time: 4:10 pm Date: 9-15-04

Extraction Finished Time: 8:40 Am Date: 9-16-04

Tumbler Rotational Speed: #4: 29.7 Rpm #3: 29.1 Rpm

Room Temperature at the Beginning of Extraction: 23.0 °C

Analyst: [signature] Date: 9-15-04 Reviewer: [signature] Date: 9/16/04

r:\icp\misc\digforms\TCLP

Columbia Analytical Services
Metals Digestion Sheet

TCLP/WET Batch
KL0100989

Service Request Number(s) : K2406679 , K2406713

Method : CLP (3010A) 3020A 3005A 3050B CLP Hot Block Other-

Analysis for : (ICP) ICP-MS GFAA Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PBE			X	50	50	6% HNO3 / 3% HCl
LCSE						
K6679-12						
-12d						
-12s						
-13						
-14						
K6713-8						
-8d						
-8s						
-9						
-16						
-17						
-24						
-25						
-32						
-33						
-41						
-42						
						RJ 9-16-04

Time Digestion Started: 11:38 am

Lot # Acids Used: HNO3 21047 HCl 43282 H2O2

LCSS (circle appropriate) ERA CLP Soil Lot # 246 EPA Lot # 0287 Other:

GFAA LCSW = GFLCSW, MET1-30-E, _____ mls. added

ICP LCSW = QCP CICV-1, MET1-33-M, _____ mls. added
QCP CICV-2, MET1-33-N, _____ mls. added
QCP CICV-3, MET1-33-O, _____ mls. added
SS6, MET1-33-F, _____ mls. added

SPIKE INFO

SS1-MET1-35-C._____ mls added SS4-MET1-30-D._____ mls added

SS5-MET1-33-E._____ mls added

SS6-MET1-33-F._____ mls added

TCLP Spike/LCSE

SS1 5.0 mls. added

SS2 5.0 mls. added

Additional spikes:

Comments:

Analyst: [illegible] Date: 9-16-04

Reviewer: [illegible] Date: 9/16/04

00201

Columbia Analytical Services Inc.
1317 South 13th Avenue
Kelso, WA 98626

TCLP Spike Solution

Service Request No. KZ406679, KZ406713
TCLP Method No. 1311

TSS 1 Expires on.... 3-31-05
TSS2 Expires on.... 1-31-05

Solution #	Element	Source	Lot#	Exp. Date	Aliquot of 1000ppm Std.	Final Volume	Solution Conc.	Volume of Solution Added	Initials and Date
MET1-35-G									
	HNO3	JT Baker	21047	-	50ml	500ml	-		PW
TSS1	Ag		MET1-31-U	4/1/2005	5.0ml	500ml	10	5.0	9-16-04
9/16/2004	Pb		MET1-26-E	3/31/2005	25.0ml	500ml	50		
MET1-33-B									
	HNO3	JT Baker	Y31024	-	25ml	500ml	-	5.0	PW
	As		MET1-21-I	1/31/2005	25.0ml	500ml	50		9-16-04
TSS2	Ba		MET1-22-B	1/31/2005	50.0ml	500ml	100		
6/28/2004	Cd		MET1-25-C	2/28/2005	5.0ml	500ml	10		
	Cr		MET1-22-C	1/31/2005	25.0ml	500ml	50		
	Se		MET1-29-E	10/31/2004	5.0ml	500ml	10		

Additional spikes

Element	Source	Lot #	Exp. date	Aliquot of 1000 ppm std		Initials and date

Service Request # K6713

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	✓	
2. ICV within 10 % of true value	✓	
3. ICB below MRL	✓	
4. CRI standard analyzed.	✓	
5. ICS standards within 20% of true value	✓	
6. All preceding CCVs within 10 % of true value	✓	
7. Following CCV within 10 % of true value	✓	
8. Bracketing CCBs below MRL	✓	
9. Method Blank below MRL	✓	
10. MS-MSD or Dup-MS and LCS within CAS control limits	✓	
11. All analytes within instrument linear range	✓	
12. Adequate rinse out time allowed between samples to eliminate memory effect	✓	

Comments

Primary Review by [illegible] Date 9/20/04

Secondary Review by [illegible] Date 9/20/04

R:\ICP\MISC\DATA REVIEW FORMS\ICP REVIEW FORM.doc

Method: 2004(2) Standard: STD1-Blank
Run Time: 09/20/04 11:34:07

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Avge	.0093	.0006	-.0013	.0001	.0010	.0119	.0000
#1	.0087	.0000	-.0014	.0001	.0010	.0120	.0000
#2	.0099	.0011	-.0011	.0001	.0010	.0117	.0000

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Avge	-.0011	.0009	.0001	.0006	.0006	.0031	.0001
#1	-.0016	.0007	.0003	.0006	.0009	.0023	.0001
#2	-.0007	.0010	.0000	.0007	.0004	.0039	.0001

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Avge	.0012	.0019	.0001	-.0003	.0389	.0020	-.0025
#1	.0000	.0019	.0001	-.0004	.0424	.0020	-.0023
#2	.0024	.0020	.0000	-.0001	.0354	.0020	-.0027

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Avge	.2049	-.0007	.0003	.0003	.0524	.0062	.0021
#1	.2033	-.0014	.0006	.0003	.0524	.0059	.0021
#2	.2064	.0000	.0000	.0003	.0524	.0066	.0021

Elem	Tl1908	Li6707	Sr4215
Avge	.0002	.0002	.0001
#1	-.0013	.0001	.0000
#2	.0017	.0002	.0001

Method: 2004(2) Standard: STD3
Run Time: 09/20/04 11:36:08

Elem	Al3082	As1936	Be3130	Ca3179	Co2286	Cu3247	Fe2599
Avge	.7779	.1956	.4708	2.994	.1070	.1036	2.178
#1	.7791	.1964	.4721	3.002	.1069	.1034	2.181
#2	.7767	.1947	.4694	2.987	.1071	.1039	2.175

Elem	Pb2203	Mg2795	Mg3832	Mn2576	Mo2020	Se1960	V_2924
Avge	.8361	2.836	.1403	1.090	.0446	.1686	.1778
#1	.8356	2.842	.1381	1.092	.0447	.1693	.1784
#2	.8367	2.830	.1424	1.089	.0444	.1679	.1771

Elem	Zn2138	Ti3349
Avge	.3378	.1988
#1	.3383	.2003
#2	.3373	.1973

Method: 2004(2) Standard: STD2
Run Time: 09/20/04 11:37:41

Elem	Sb2068	Ba4934	B_2496	Cd2288	Cr2677	Ni2316	K_7665
Avge	.3928	.1159	.3276	.0622	2.769	.6076	.4909
#1	.3907	.1159	.3259	.0621	2.761	.6103	.4947
#2	.3949	.1158	.3294	.0623	2.778	.6050	.4870

Elem	Ag3280	Na5889	Sn1899	P_2149	Si2881	Tl1908	Li6707
Avge	.1135	7.647	.8316	.9499	1.495	.0891	.3198
#1	.1131	7.649	.8279	.9477	1.492	.0900	.3206
#2	.1139	7.646	.8353	.9521	1.498	.0881	.3189

Elem	Sr4215
Avge	.2048
#1	.2047
#2	.2049

Analysis Report QC Standard 09/20/04 11:42:33 AM

Method: 2004(2) Sample Name: ICV Operator: MMR
Run Time: 09/20/04 11:40:39
Comment: ICP2-51-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.998	2.590	2.572	5.145	.1262	.0404	1.312
#1	4.994	2.603	2.535	5.128	.1257	.0539	1.319
#2	5.001	2.577	2.609	5.162	.1266	.0268	1.306

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.51	.5185	1.291	.6406	2.525	2.533	12.44
#1	12.47	.5180	1.286	.6392	2.512	2.532	12.40
#2	12.55	.5191	1.295	.6420	2.539	2.535	12.49

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.23	1.262	1.996	1.291	12.60	2.578	.6333
#1	12.31	1.258	1.988	1.314	13.16	2.565	.6326
#2	12.15	1.266	2.004	1.269	12.03	2.592	.6339

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.88	-.0205	1.281	1.284	.2148	-.0043	2.043
#1	12.84	-.0085	1.278	1.274	.2782	.0096	2.037
#2	12.93	-.0326	1.283	1.293	.1514	-.0181	2.049

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	2.539	.0000	.0010
#1	2.427	.0073	.0017
#2	2.652	-.0073	.0003

Method: 2004(2) Sample Name: ICV STD 4 Operator: MMR
Run Time: 09/20/04 11:42:50
Comment: ICP2-53-F KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0389	-.0073	-.0075	.0009	-.0000	10.50	.0024
#1	.0483	-.0036	-.0149	.0015	-.0000	10.42	-.0020
#2	.0294	-.0110	-.0001	.0003	-.0000	10.59	.0069

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0145	-.0015	.0019	.0048	.0031	-.0172	.0055
#1	.0153	-.0015	.0037	.0049	.0039	-.0215	.0055
#2	.0136	-.0015	.0001	.0048	.0023	-.0129	.0055

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1181	.0007	.0080	.0129	.1620	.0069	-.0018
#1	-.0770	.0007	.0016	.0094	.8179	-.0034	-.0031
#2	-.1592	.0007	.0144	.0164	-.4939	.0171	-.0006

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0288	5.081	.0005	.0042	5.273	5.215	.0000
#1	-.0144	5.031	.0000	.0042	5.308	5.211	.0000
#2	-.0432	5.130	.0011	.0042	5.237	5.219	.0000

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0562	5.122	5.104
#1	-.0562	5.100	5.099
#2	-.0561	5.145	5.110

Analysis Report QC Standard 09/20/04 11:46:35 AM

Method: 2004(2) Sample Name: ICB Operator: MMR
Run Time: 09/20/04 11:44:43
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0122	-.0147	-.0088	-.0012	-.0000	.0271	.0036
#1	-.0113	-.0295	.0295	-.0003	-.0000	.0452	.0017
#2	-.0130	.0000	-.0471	-.0022	-.0000	.0091	Q.0054

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0003	-.0026	-.0000	-.0013	.0026	.0003
#1	-.0008	.0000	-.0066	-.0007	-.0013	-.0198	.0005
#2	.0005	-.0005	.0013	.0007	-.0013	.0249	-.0000

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	-.0008	.0048	.0094	-.5334	.0223	-.0024
#1	.0462	.0002	.0048	.0117	-.4623	.0206	-.0031
#2	-.0257	-.0018	.0048	.0070	-.6045	.0240	-.0018

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0163	.0060	.0021	.0021	-.1512	.0024	-.0011
#1	-.0029	.0172	.0017	.0042	Q-.2548	.0033	-.0007
#2	-.0298	-.0051	.0025	-.0000	-.0476	.0014	-.0015

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0804	-.0028	.0007
#1	-.1206	-.0117	.0010
#2	-.0402	.0061	.0003

Analysis Report QC Standard 09/20/04 11:51:44 AM page 1

Method: 2004(2) Sample Name: CCV1 Operator: MMR
Run Time: 09/20/04 11:48:35
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.170	5.079	2.043	.5123	.5107	5.104	Q.5360
#1	5.161	5.072	2.032	.5125	.5112	5.136	Q.5396
#2	5.152	5.075	2.085	.5143	.5115	5.063	Q.5341
#3	5.152	5.079	1.982	.5088	.5085	5.081	Q.5360
#4	5.216	5.090	2.073	.5137	.5118	5.136	Q.5343

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.103	5.121	.5100	.5104	5.115	5.072	5.124
#1	5.105	5.111	.5069	.5097	5.106	5.082	5.125
#2	5.112	5.140	.5139	.5153	5.130	5.101	5.132
#3	5.084	5.100	.5084	.5083	5.094	5.008	5.103
#4	5.113	5.131	.5109	.5083	5.130	5.099	5.135

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.033	.5093	.5119	5.165	25.20	1.964	.5075
#1	5.049	.5099	.5095	5.170	25.47	2.007	.5075
#2	5.100	.5101	.5127	5.160	25.43	1.935	.5136
#3	4.915	.5074	.5031	5.179	25.02	1.976	.5013
#4	5.069	.5097	.5224	5.151	24.86	1.938	.5075

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.60	5.052	.4992	2.556	25.53	5.113	.5074
#1	25.71	5.020	.4991	2.552	25.76	5.093	.5085
#2	25.61	5.094	.4993	2.564	25.43	5.142	.5078
#3	25.48	5.058	.4958	2.550	25.17	5.093	.5056
#4	25.61	5.035	.5026	2.558	25.75	5.124	.5078

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	4.975	2.544	.5115
#1	4.835	2.552	.5119
#2	5.108	2.545	.5133
#3	4.899	2.522	.5084
#4	5.060	2.556	.5126

NR Cd for 200.7
MMR 9/20/04

Analysis Report QC Standard 09/20/04 11:53:46 AM

Method: 2004(2) Sample Name: CCB1 Operator: MMR
Run Time: 09/20/04 11:51:58
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0177	-.0018	.0104	-.0009	.0002	.0136	.0021
#1	-.0055	-.0147	-.0059	-.0009	.0003	.0090	.0047
#2	-.0298	.0111	.0267	-.0009	.0000	.0181	-.0005

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	-.0005	-.0019	.0007	-.0038	-.0137	-.0000
#1	.0009	.0005	-.0012	.0035	-.0026	-.0043	-.0000
#2	-.0034	-.0015	-.0027	-.0021	-.0049	-.0231	-.0000

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0205	-.0012	-.0016	.0106	-.2292	-.0257	-.0037
#1	.1079	-.0012	-.0048	.0023	.4228	-.0240	-.0031
#2	-.0668	-.0011	.0016	.0188	-.8811	-.0274	-.0043

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0082	.0146	-.0012	-.0000	.0717	-.0129	-.0015
#1	.0202	.0275	-.0001	-.0000	.1429	-.0091	-.0015
#2	-.0365	.0017	-.0023	-.0001	.0005	-.0167	-.0015

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0804	-.0084	-.0003
#1	-.0242	-.0050	-.0003
#2	-.1365	-.0117	-.0003

Analysis Report QC Standard 09/20/04 12:02:39 PM page 1

Method: 2004(2) Sample Name: CRI Operator: MMR
Run Time: 09/20/04 11:54:15
Comment: ICP2-54-D KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0567	.0388	.1336	.0049	.0049	.0000	.0068
#1	.0539	.0444	.0939	.0040	.0049	.0090	Q.0098
#2	.0595	.0333	Q.1733	.0059	.0049	-.0090	.0038

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0541	.0026	.0095	.0125	.0192	.0378	.0207
#1	.0531	Q.0021	.0069	.0090	.0194	.0420	.0207
#2	.0550	.0031	.0121	Q.0159	.0190	.0335	.0207

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0257	.0049	.0128	.0270	1.987	.0634	.0093
#1	Q.0360	.0041	.0112	.0235	1.490	.0583	.0056
#2	Q-.0873	.0056	.0144	Q.0305	2.485	.0686	.0130

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0902	.0180	.0105	.0105	-.0004	.0057	-.0007
#1	.0883	.0326	.0097	.0105	-.0006	-.0110	-.0007
#2	.0921	.0034	.0113	.0105	-.0001	.0224	-.0007

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.2574	-.0045	-.0003
#1	-.2655	-.0129	-.0003
#2	-.2493	.0039	-.0003

Analysis Report QC Standard 09/20/04 12:05:40 PM

Method: 2004(2) Sample Name: ICSA Operator: MMR
Run Time: 09/20/04 12:03:25
Comment: ICP2-54-E KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	489.7	.0645	-.1857	-.0003	.0000	.0796	.0059
#1	487.6	.0258	-.1025	-.0009	.0000	.0828	.0078
#2	491.8	.1033	-.2688	.0003	.0000	.0764	.0040

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	461.1	-.0076	-.0053	-.0118	181.5	.0128	273.6
#1	459.2	-.0063	-.0060	-.0118	180.7	.0380	272.8
#2	463.0	-.0088	-.0046	-.0118	182.2	-.0124	274.5

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	483.9	.0105	-.0010	-.0035	.1304	-.0143	-.0246
#1	481.8	.0098	-.0059	-.0094	.5729	.0026	-.0241
#2	486.0	.0111	.0039	.0023	-.3121	-.0311	-.0251

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0691	-.0705	-.0052	.0254	.8528	.1401	.0251
#1	-.0739	-.0739	-.0049	.0254	.7933	.1397	.0254
#2	-.0643	-.0671	-.0055	.0254	.9124	.1406	.0247

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.5949	-.0011	.0024
#1	-.5672	.0061	.0024
#2	-.6226	-.0084	.0024

Analysis Report QC Standard 09/20/04 12:12:23 PM

Method: 2004(2) Sample Name: ICSAB Operator: MMR
Run Time: 09/20/04 12:10:58
Comment: ICP2-54-F KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	496.4	1.043	-.1615	.5045	.4817	.0830	1.000
#1	495.7	1.063	-.1568	.5039	.4808	.0744	1.001
#2	497.1	1.022	-.1662	.5051	.4826	.0917	.9993

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	463.7	.4789	.4618	.4742	183.3	.9907	271.5
#1	463.6	.4776	.4606	.4721	183.1	.9737	271.5
#2	463.9	.4802	.4630	.4763	183.5	1.008	271.4

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	492.2	.4801	.0041	.9176	.0553	.0481	.9353
#1	491.2	.4796	-.0023	.9141	.1936	.1028	.9353
#2	493.1	.4806	.0105	.9212	-.0830	-.0067	.9353

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1008	-.1108	.4683	.9922	.9429	.1595	.0254
#1	-.0749	-.0808	.4697	.9911	.9517	.1638	.0254
#2	-.1267	-.1409	.4668	.9932	.9342	.1552	.0254

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.6769	.0022	.0028
#1	-.6336	.0017	.0031
#2	-.7203	.0028	.0024

Analysis Report 09/20/04 12:14:29 PM

Method: 2004(2) Sample Name: PBW Operator: MMR
Run Time: 09/20/04 12:13:06
Comment: K2406766 6874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0269	L-.0148	L-.0236	L-.0012	L.0000	L.0000	L-.0007
#1	.0594	L-.0443	L-.0533	L-.0015	L.0000	L-.0000	L-.0013
#2	L-.0057	L.0147	L.0060	L-.0009	L.0000	L.0000	L-.0001

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0287	L-.0008	L-.0001	L-.0007	.0098	L-.0035	.0436
#1	.0416	L-.0000	L-.0001	.0035	.0115	L.0042	.0534
#2	L.0159	L-.0015	L-.0000	L-.0049	.0082	L-.0111	.0338

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0719	L-.0018	L-.0000	L-.0106	L-.6164	L-.0343	L-.0025
#1	L.0051	L-.0018	L-.0048	L-.0070	L-1.237	L.0137	L-.0031
#2	L-.1489	L-.0018	.0048	L-.0141	L.0040	L-.0823	L-.0019

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0494	L-.0171	L-.0024	L.0011	L.0001	L.0319	L-.0033
#1	L-.0230	L-.0326	L-.0017	L.0000	L-.0004	L.0291	L-.0058
#2	L-.0758	L-.0017	L-.0031	L.0022	L.0006	L.0348	L-.0007

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0001	L-.0084	L-.0007
#1	L-.1047	L-.0106	L-.0003
#2	.1045	L-.0061	L-.0010

Analysis Report 09/20/04 12:16:11 PM

Method: 2004(2) Sample Name: LCSW Operator: MMR
Run Time: 09/20/04 12:14:32
Comment: K2406766 6874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.809	2.429	2.485	4.964	.1225	1.033	1.258
#1	4.467	2.258	2.289	4.632	.1153	.9407	1.190
#2	5.151	2.601	2.682	5.296	.1296	1.126	1.326

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.94	.5018	1.230	.6092	2.436	2.445	11.76
#1	11.14	.4703	1.138	.5649	2.281	2.280	10.93
#2	12.75	.5332	1.323	.6536	2.592	2.609	12.59

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.57	1.211	.9867	1.271	12.03	2.417	.6033
#1	12.26	1.125	.9225	1.210	10.96	2.308	.5564
#2	12.89	1.297	1.051	1.332	13.11	2.527	.6501

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.31	L.0137	1.234	1.232	.1410	L.0457	L.0000
#1	11.33	.0429	1.165	1.143	.1612	L.0235	L.0000
#2	13.28	L-.0154	1.304	1.322	.1208	L.0678	L.0000

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	2.247	L-.0000	L-.0003
#1	1.942	L.0028	L-.0003
#2	2.551	L-.0028	L-.0003

Method: 2004(2) Sample Name: K6766-01 Operator: MMR
Run Time: 09/20/04 12:16:16
Comment: K2406766 6874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1247	L.0018	.0471	.0358	L.0002	.4072	L.0023
#1	.1098	L-.0148	.0457	.0355	L.0002	.3981	.0035
#2	.1397	L.0184	.0485	.0361	L.0002	.4163	L.0012

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.01	.0103	L-.0002	L-.0006	35.00	L-.0259	15.84
#1	30.03	.0087	L-.0015	L-.0020	35.01	L-.0439	15.86
#2	29.99	.0118	L.0011	L.0007	34.98	L-.0079	15.83

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.59	2.079	.0077	L.0059	20.77	L-.0242	L-.0040
#1	16.62	2.079	.0109	L.0070	20.07	L-.0807	L-.0065
#2	16.56	2.080	.0045	L.0047	21.47	L.0324	L-.0015

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	201.3	L.0108	.0298	.1428	3.210	26.91	.0730
#1	201.8	L.0117	.0286	.1418	3.337	26.91	.0726
#2	200.9	L.0099	.0309	.1439	3.083	26.90	.0734

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.3154	L.0039	.2041
#1	L-.5085	L.0006	.2041
#2	L-.1223	L.0073	.2041

Analysis Report 09/20/04 12:19:02 PM

Method: 2004(2) Sample Name: K6766-01D Operator: MMR
Run Time: 09/20/04 12:17:41
Comment: K2406766 6874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1601	L-.0148	L.0174	.0361	L.0002	.4160	L-.0005
#1	.1656	L-.0001	L-.0223	.0361	L.0002	.4071	L-.0021
#2	.1545	L-.0295	.0572	.0361	L.0002	.4249	L.0010

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.34	.0134	L.0010	L.0000	35.42	L-.0208	16.02
#1	30.23	.0149	L.0011	L-.0006	35.25	L-.0320	15.96
#2	30.46	.0118	L.0010	L.0007	35.59	L-.0096	16.09

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.91	2.105	.0061	L.0070	21.43	L-.0618	L-.0027
#1	16.74	2.096	.0077	L.0070	21.24	L-.0704	L-.0015
#2	17.08	2.114	.0046	L.0070	21.61	L-.0531	L-.0039

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	203.2	L-.0115	.0325	.1439	3.194	27.25	.0745
#1	202.6	L-.0038	.0326	.1460	3.311	27.19	.0734
#2	203.7	L-.0193	.0325	.1418	3.078	27.30	.0756

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.4011	L.0056	.2066
#1	L-.2542	L.0084	.2062
#2	L-.5479	L.0028	.2069

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Method: 2004(2) Sample Name: K6766-01S Operator: MMR
Run Time: 09/20/04 12:19:05
Comment: K2406766 6874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.150	.5075	1.071	2.151	.0509	1.497	.0645
#1	2.109	.5150	1.079	2.131	.0503	1.510	.0631
#2	2.191	.5000	1.063	2.171	.0515	1.483	.0658

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.74	.2214	.5172	.2521	36.90	.4737	16.22
#1	30.80	.2167	.5065	.2487	36.95	.4599	16.25
#2	30.69	.2260	.5278	.2556	36.85	.4875	16.19

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.92	2.647	1.042	.5475	21.05	1.030	.0444
#1	16.74	2.644	1.028	.5499	20.49	1.041	.0406
#2	17.10	2.650	1.057	.5452	21.62	1.020	.0481

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	205.6	L-.0055	.5523	.6628	3.294	27.54	.0748
#1	206.2	L.0151	.5453	.6585	3.279	27.60	.0748
#2	205.0	L-.0261	.5593	.6670	3.309	27.49	.0748

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.7456	L-.0034	.2087
#1	.6487	L-.0050	.2090
#2	.8425	L-.0017	.2083

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Method: 2004(2) Sample Name: K6766-01L Operator: MMR
Run Time: 09/20/04 12:20:31
Comment: K2406766 2/10 DILUTION KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0408	L-.0166	L.0238	.0071	L.0001	.0777	L-.0012
#1	L.0184	L-.0000	L.0210	.0065	L.0003	.0778	L.0000
#2	.0632	L-.0331	L.0266	.0077	L-.0000	.0777	L-.0024

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.112	L-.0006	L-.0024	L-.0014	7.164	L-.0284	3.286
#1	6.105	L-.0019	L-.0045	L-.0021	7.166	L-.0352	3.287
#2	6.119	L.0007	L-.0003	L-.0007	7.162	L-.0215	3.286

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.380	.4237	L.0038	L-.0012	2.537	L.0058	L-.0018
#1	3.261	.4251	.0054	L-.0094	L.6124	L-.0113	L-.0018
#2	3.498	.4223	L.0022	L.0070	4.461	L.0230	L-.0017

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.87	L-.0103	.0064	.0307	.6616	5.427	.0080
#1	40.88	L-.0292	L.0033	.0318	.6065	5.408	.0029
#2	40.86	L.0085	.0095	.0296	.7167	5.445	.0131

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.1021	L-.0045	.0408
#1	L-.0135	L-.0095	.0408
#2	L-.1906	L.0006	.0408

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Method: 2004(2) Sample Name: K6766-02 Operator: MMR
Run Time: 09/20/04 12:21:56
Comment: K2406766 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1285	L.0055	.0440	.0330	L.0002	.4067	L.0013
#1	.1136	L-.0037	L.0396	.0324	L.0002	.3933	L.0014
#2	.1435	L.0148	.0483	.0336	L.0002	.4202	L.0012

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.02	.0118	L.0005	L-.0055	36.14	L-.0190	16.06
#1	29.87	.0108	L-.0001	L-.0048	35.97	L-.0388	15.99
#2	30.17	.0129	L.0011	L-.0062	36.30	L.0007	16.13

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.82	1.981	.0062	.0223	20.96	L.0207	L-.0056
#1	16.62	1.973	.0110	.0258	20.58	L.0224	L-.0075
#2	17.03	1.989	L.0014	L.0188	21.34	L.0191	L-.0037

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	206.7	L.0168	.0325	.1629	3.375	27.18	.0766
#1	205.8	.0271	.0318	.1629	3.420	27.05	.0763
#2	207.6	L.0065	.0332	.1629	3.329	27.31	.0770

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.2506	L-.0028	.1996
#1	L-.3288	L-.0039	.1985
#2	L-.1724	L-.0017	.2006

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Method: 2004(2) Sample Name: CCV2 Operator: MMR
Run Time: 09/20/04 12:23:21
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.273	5.097	2.036	.5156	.5115	5.212	.5396
#1	5.178	5.046	2.038	.5088	.5048	5.154	.5373
#2	5.369	5.148	2.034	.5224	.5182	5.271	.5420

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.186	5.141	.5150	.5139	5.231	5.049	5.136
#1	5.125	5.084	.5089	.5084	5.196	4.977	5.059
#2	5.247	5.199	.5210	.5194	5.267	5.121	5.213

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.306	.5148	.5144	5.209	24.18	1.980	.5118
#1	5.326	.5119	.5063	5.151	23.97	1.969	.5075
#2	5.285	.5177	.5224	5.266	24.39	1.990	.5162

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.09	5.202	.5021	2.554	25.87	5.222	.5470
#1	25.98	5.210	.4981	2.531	25.96	5.201	Q.5739
#2	26.20	5.193	.5061	2.577	25.79	5.244	.5202

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.131	2.644	.5133
#1	4.898	2.688	.5077
#2	5.363	2.599	.5188

Analysis Report QC Standard 09/20/04 12:27:26 PM

Method: 2004(2) Sample Name: CCB2 Operator: MMR
Run Time: 09/20/04 12:26:04
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	-.0183	-.0059	.0009	-.0003	-.0022	.0024
#1	.0188	-.0035	-.0207	.0028	-.0003	-.0045	.0004
#2	.0018	-.0332	.0088	-.0009	-.0003	.0001	.0044

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	-.0028	.0007	-.0007	.0003	-.0137	.0028
#1	.0051	-.0036	.0013	-.0007	-.0000	-.0146	.0035
#2	-.0009	-.0021	.0001	-.0007	.0006	-.0129	.0020

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.2106	-.0018	-.0048	.0035	-.7112	-.0103	-.0000
#1	-.1900	-.0018	Q-.0112	.0070	-.6361	-.0137	-.0006
#2	Q-.2311	-.0018	.0016	-.0000	-.7863	-.0069	.0006

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0413	-.0026	-.0005	-.0011	.0248	.0033	-.0011
#1	-.0499	-.0172	-.0010	-.0000	-.0629	.0062	-.0015
#2	-.0326	.0120	.0000	-.0021	.1124	.0005	-.0007

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0400	-.0006	-.0010
#1	-.0400	-.0039	-.0010
#2	-.0400	.0028	-.0010

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Method: 2004(2) Sample Name: K6874-01 Operator: MMR
Run Time: 09/20/04 12:27:49
Comment: K2406874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.824	L-.0040	L-.0320	.1095	L-.0000	1.501	L.0018
#1	1.800	L-.0114	L-.0378	.1114	L-.0000	1.533	L.0008
#2	1.848	L.0034	L-.0262	.1077	L-.0000	1.470	L.0029

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	252.4	.0168	L-.0022	.0056	1.629	L-.0300	H50.80
#1	255.8	.0176	L-.0055	.0049	1.629	L-.0206	H51.39
#2	249.0	.0160	L.0012	.0063	1.629	L-.0395	H50.20

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.55	.0350	.0098	L.0023	3.568	L-.0183	L-.0057
#1	57.50	.0353	.0082	L.0023	3.489	L-.0166	L-.0112
#2	55.61	.0347	.0114	L.0023	3.647	L-.0200	L-.0002

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S7575.	L-.0003	.0168	.4709	.2091	18.58	.0657
#1	S7576.	L-.0038	.0184	.4762	.2409	18.70	.0668
#2	S7575.	L.0031	.0153	.4656	.1773	18.46	.0647

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0529	.4604	7.607
#1	L.0036	.4845	7.722
#2	.1022	.4364	7.492

Analysis Report 09/20/04 12:32:41 PM

Method: 2004(2) Sample Name: K6874-01D Operator: MMR
Run Time: 09/20/04 12:31:07
Comment: K2406874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.815	L.0217	L-.0026	.1061	L.0001	1.479	.0047
#1	1.787	L.0144	L.0270	.1046	L.0003	1.479	L-.0004
#2	1.843	L.0291	L-.0322	.1077	L-.0000	1.479	.0098

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	246.1	.0209	L.0018	.0084	1.590	L-.0042	H49.41
#1	244.9	.0207	.0051	.0118	1.557	L-.0239	H49.18
#2	247.2	.0212	L-.0015	.0049	1.623	L.0154	H49.64

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	54.60	.0345	.0162	L.0000	4.401	L.0125	L.0011
#1	54.12	.0335	.0146	L-.0047	5.022	L.0142	.0060
#2	55.07	.0354	.0178	L.0047	3.781	L.0108	L-.0038

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S7578.	L-.0141	.0201	.4603	.3133	18.06	.0665
#1	S7579.	L-.0278	.0193	.4592	.2560	17.91	.0654
#2	S7578.	L-.0003	.0210	.4613	.3706	18.22	.0676

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0569	.4247	7.262
#1	L-.1042	.4219	7.185
#2	L-.0096	.4275	7.340

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Method: 2004(2) Sample Name: K6874-01S Operator: MMR
Run Time: 09/20/04 12:32:45
Comment: K2406874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.749	.5203	1.024	2.093	.0472	2.468	.0597
#1	3.720	.5148	.9957	2.098	.0473	2.470	.0625
#2	3.779	.5259	1.051	2.087	.0470	2.466	.0570

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	242.8	.2140	.4838	.2473	2.506	.4736	H48.77
#1	244.0	.2158	.4784	.2445	2.521	.4831	H49.07
#2	241.5	.2122	.4892	.2501	2.492	.4642	H48.48

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	53.90	.5098	.9706	.5182	3.761	1.003	.0440
#1	54.36	.5089	.9642	.5170	3.086	1.036	.0379
#2	53.44	.5107	.9770	.5193	4.437	.9709	.0502

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S7580.	L-.0029	.5071	.9475	.4037	17.96	.0676
#1	S7581.	L-.0192	.5085	.9464	.3540	18.08	.0690
#2	S7579.	L.0134	.5056	.9486	.4533	17.85	.0661

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.7267	.4303	7.179
#1	.7099	.4297	7.235
#2	.7435	.4308	7.123

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Method: 2004(2) Sample Name: K6874-02 Operator: MMR
Run Time: 09/20/04 12:34:09
Comment: K2406874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1325	L.0132	L.0209	.0429	L-.0003	3.793	L.0008
#1	.1268	L-.0016	L.0077	.0441	L-.0004	3.854	L.0022
#2	.1383	L.0280	L.0341	.0417	L-.0001	3.732	L-.0006

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	125.9	.0640	L-.0019	.0048	.5510	L-.0362	H39.66
#1	126.5	.0651	L-.0054	.0048	.5535	L-.0371	H39.82
#2	125.3	.0630	L.0015	.0048	.5486	L-.0353	H39.51

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.78	.0053	.2037	.0587	1.008	L-.0032	L-.0038
#1	43.00	.0060	.2102	.0611	L.6361	L-.0135	L-.0050
#2	42.56	.0046	.1973	.0564	1.379	L.0070	L-.0026

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1335.	L.0069	.0450	.5913	.2225	26.74	.0022
#1	H1341.	L-.0137	.0447	.5924	.2295	26.86	L-.0029
#2	H1329.	.0274	.0452	.5903	.2155	26.62	.0073

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0956	.4392	2.548
#1	L-.1441	.4487	2.566
#2	L-.0470	.4297	2.530

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Method: 2004(2) Sample Name: K6874-03 Operator: MMR
Run Time: 09/20/04 12:37:15
Comment: K2406874 KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0603	L.0297	L-.1080	.0213	L-.0000	3.005	.0078
#1	.0816	.0316	L-.1125	.0213	L-.0000	3.007	.0044
#2	.0389	L.0278	L-.1035	.0213	L-.0001	3.003	.0111

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	524.5	.1164	L.0006	L.0028	.6009	.0317	H173.2
#1	524.6	.1156	L-.0002	.0049	.6014	L.0110	H173.2
#2	524.3	.1172	L.0014	L.0007	.6004	.0523	H173.2

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	242.1	.0137	.0225	.0693	2.995	L.0088	L-.0022
#1	242.4	.0139	.0177	.0752	2.951	L-.0135	L-.0028
#2	241.8	.0134	.0273	.0634	3.038	L.0311	L-.0015

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1991.	L-.0069	.0200	.4600	.3871	22.75	.0109
#1	H1997.	L-.0292	.0175	.4611	.3459	22.78	.0109
#2	H1985.	L.0154	.0224	.4590	.4284	22.73	.0109

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0013	.7622	13.01
#1	L.0305	.7538	13.03
#2	L-.0331	.7706	12.98

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Method: 2004(2) Sample Name: CCV3 Operator: MMR
Run Time: 09/20/04 12:41:07
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.143	4.990	2.038	.4992	.4996	5.283	.5270
#1	5.133	4.959	2.055	.4989	.4978	5.231	.5233
#2	5.153	5.021	2.020	.4995	.5015	5.335	.5308

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.088	5.057	.5118	.5035	5.058	5.070	4.985
#1	5.089	5.042	.5129	.5028	5.035	5.061	4.975
#2	5.087	5.073	.5107	.5042	5.080	5.078	4.994

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.131	.5038	.5063	5.232	24.30	1.959	.5012
#1	5.193	.5017	.5063	5.214	24.77	1.935	.5000
#2	5.069	.5060	.5063	5.250	23.83	1.983	.5024

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.38	5.209	.4885	2.527	26.27	5.074	.5067
#1	25.33	5.167	.4884	2.511	26.12	5.073	.5085
#2	25.42	5.252	.4886	2.543	26.41	5.075	.5049

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.117	2.470	.4965
#1	5.077	2.475	.4951
#2	5.157	2.465	.4979

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Method: 2004(2) Sample Name: CCB3 Operator: MMR
Run Time: 09/20/04 12:43:20
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0146	-.0074	-.0133	-.0006	.0005	.0271	.0002
#1	.0054	-.0184	-.0089	-.0009	.0006	.0362	-.0044
#2	.0239	.0036	-.0178	-.0003	.0003	.0181	.0049

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0228	.0005	-.0020	.0021	.0020	.0137	.0103
#1	.0228	.0000	-.0027	-.0007	.0026	.0248	.0116
#2	.0229	.0010	-.0012	.0048	.0013	.0025	.0091

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0257	-.0008	.0096	.0094	-.5927	.0274	.0025
#1	.0154	-.0011	.0080	.0164	-1.087	.0069	-.0006
#2	.0360	-.0006	Q.0112	.0023	-.0988	.0480	.0055

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1766	.0086	-.0002	.0021	.1470	.0029	-.0018
#1	Q.1603	-.0103	-.0006	.0021	.1272	-.0110	-.0022
#2	Q.1929	.0275	.0002	.0021	.1668	.0167	-.0015

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0885	-.0011	.0003
#1	-.0403	-.0006	.0003
#2	-.1367	-.0017	.0003

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Method: 2004(2) Sample Name: CCV5 Operator: MMR
Run Time: 09/20/04 13:46:14
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.081	5.110	2.038	.5099	.5079	5.091	.5084
#1	5.057	5.047	2.027	.5074	.5052	5.070	.5074
#2	5.106	5.174	2.048	.5125	.5106	5.112	.5093

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.081	5.088	.5075	.5087	5.088	5.049	5.077
#1	5.053	5.065	.5032	.5058	5.058	5.024	5.053
#2	5.108	5.111	.5117	.5116	5.117	5.074	5.102

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.138	.5093	.5137	5.112	24.68	2.062	.5072
#1	5.117	.5076	.5000	5.076	24.59	2.057	.5071
#2	5.159	.5110	.5275	5.148	24.76	2.068	.5072

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.37	5.099	.5104	2.538	25.36	5.094	.5089
#1	25.21	5.086	.5071	2.519	25.29	5.084	.5058
#2	25.52	5.113	.5138	2.556	25.43	5.104	.5120

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.176	2.543	.5099
#1	5.134	2.532	.5066
#2	5.217	2.554	.5131

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Method: 2004(2) Sample Name: CCB5 Operator: MMR
Run Time: 09/20/04 13:49:57
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	-.0206	-.0086	-.0012	-.0001	.0251	.0035
#1	.0095	.0006	.0051	-.0009	.0001	.0181	.0044
#2	-.0018	-.0417	-.0223	-.0016	-.0002	.0322	.0026

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0010	-.0020	-.0004	.0022	-.0163	.0008
#1	.0020	.0039	-.0013	-.0004	.0039	-.0011	.0010
#2	-.0039	-.0020	-.0027	-.0004	.0005	-.0315	.0005

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0289	-.0010	.0053	.0047	-.8135	-.0297	-.0041
#1	.1251	-.0007	.0087	.0095	-.3962	-.0553	-.0028
#2	-.1829	-.0014	.0018	-.0001	-1.231	-.0041	-.0054

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0195	.0067	-.0023	.0001	Q.2407	.0040	-.0008
#1	.0224	.0067	.0003	.0023	Q.2317	.0069	-.0016
#2	.0166	.0067	-.0049	-.0020	Q.2497	.0010	-.0001

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0662	-.0040	-.0007
#1	-.1253	.0088	-.0011
#2	-.0071	-.0167	-.0003

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Method: 2004(2) Sample Name: PBE Operator: MMR
Run Time: 09/20/04 13:52:02
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0219	L-.0127	L.0265	.0713	L-.0002	L.0135	L-.0016
#1	.0587	L-.0146	L.0142	.0681	L-.0005	.0229	L-.0025
#2	L-.0149	L-.0107	L.0388	.0745	L.0001	L.0040	L-.0007

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0833	L-.0085	L-.0008	L.0025	.0088	L-.0477	.0207
#1	.0800	L-.0112	L.0012	.0054	.0091	L-.0584	.0207
#2	.0867	L-.0058	L-.0028	L-.0004	.0084	L-.0369	.0207

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.2148	L.0001	L-.0033	L.0155	L-.2929	L-.0681	L.0003
#1	L-.4378	L.0004	L-.0050	L.0119	L-.9727	L-.1870	L.0035
#2	L.0083	L-.0003	L-.0016	L.0191	L.3868	.0508	L-.0028

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1176.	L-.0459	L-.0076	.0110	.0764	L.0651	L-.0012
#1	H1162.	L-.0665	L-.0127	.0110	L.0441	L.0908	L-.0032
#2	H1189.	L-.0252	L-.0025	.0110	.1086	L.0395	L.0007

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0265	L-.0063	.0022
#1	L.0268	L-.0051	.0026
#2	L.0263	L-.0074	.0018

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Method: 2004(2) Sample Name: LCSE Operator: MMR
Run Time: 09/20/04 13:53:39
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0009	L.0093	5.195	10.39	L-.0000	L.0181	.9874
#1	L-.0056	L-.0059	5.132	10.40	L-.0002	L.0088	.9998
#2	L.0038	L.0246	5.257	10.37	L.0001	.0274	.9751

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1630	5.008	.0068	L.0003	.0141	4.865	.0264
#1	.1614	5.003	.0060	L-.0004	.0122	4.866	.0254
#2	.1645	5.013	.0075	L.0010	.0160	4.865	.0275

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0236	.0008	.0070	L.0191	L.2405	1.111	.9973
#1	L-.0979	.0007	.0053	L.0191	L-.1725	1.126	.9979
#2	L.0508	.0008	.0087	L.0191	L.6535	1.097	.9966

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1203.	L.0058	L-.0102	.0099	.0756	L.1479	.0026
#1	H1206.	L-.0008	L-.0099	.0110	.0842	L.1479	.0023
#2	H1201.	L.0123	L-.0106	.0088	.0669	L.1480	.0030

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0094	L-.0074	.0018
#1	L.0432	L-.0213	.0018
#2	L-.0244	L.0065	.0018

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Method: 2004(2) Sample Name: K6679-12 Operator: MMR
Run Time: 09/20/04 13:55:37
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1228	L-.0165	L.0085	2.014	L.0004	.2907	L-.0011
#1	.1369	L-.0031	L.0220	1.995	L.0004	.2978	L.0021
#2	.1086	L-.0299	L-.0051	2.032	L.0004	.2836	L-.0042

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	43.21	L.0039	.0349	.0032	.2179	L-.0009	17.89
#1	42.98	.0093	.0363	.0054	.2141	L.0152	17.74
#2	43.44	L-.0015	.0336	L.0010	.2217	L-.0170	18.03

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.03	H10.14	L-.0033	.0275	4.560	L-.0077	L-.0015
#1	18.94	H10.07	L.0018	.0287	5.248	L-.0260	L.0011
#2	19.11	H10.21	L-.0084	.0263	3.872	L.0106	L-.0041

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1103.	L-.0159	L.0030	.4911	.3375	5.384	.0053
#1	H1090.	L-.0253	.0070	.4868	.3873	5.353	.0069
#2	H1116.	L-.0065	L-.0009	.4955	.2876	5.414	.0038

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0404	L-.0063	.3528
#1	L-.0328	L-.0063	.3488
#2	L-.0481	L-.0063	.3568

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Method: 2004(2) Sample Name: K6679-12D Operator: MMR
Run Time: 09/20/04 13:59:03
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1094	L-.0222	L-.0369	2.079	.0006	.2858	.0042
#1	.0878	L-.0338	L.0076	2.110	.0007	.2928	.0045
#2	.1311	L-.0107	L-.0815	2.049	L.0004	.2789	.0039

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	44.76	L.0026	.0336	.0047	.2275	L-.0205	18.52
#1	45.24	L.0018	.0335	L-.0004	.2297	L-.0295	18.72
#2	44.28	L.0034	.0337	.0098	.2253	L-.0116	18.32

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.54	H10.49	L.0036	.0371	5.201	L-.0863	L-.0021
#1	19.71	H10.61	L-.0016	.0287	4.414	L-.1357	L-.0053
#2	19.37	H10.37	.0087	.0455	5.988	L-.0369	L.0011

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1134.	L-.0083	.0044	.5053	.2197	5.519	.0046
#1	H1146.	L-.0215	.0043	.5064	.2851	5.547	.0046
#2	H1122.	L.0048	.0045	.5042	.1542	5.492	.0046

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0702	L.0047	.3641
#1	L-.1109	L-.0005	.3693
#2	L-.0294	L.0100	.3590

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Method: 2004(2) Sample Name: K6679-12S Operator: MMR
Run Time: 09/20/04 14:01:01
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1348	L-.0046	5.068	12.11	L.0004	.2791	.9710
#1	.1309	L-.0230	4.999	11.97	L.0004	.2697	.9689
#2	.1387	L.0138	5.136	12.26	L.0004	.2884	.9731

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.68	4.935	.0416	.0068	.2034	4.749	17.73
#1	42.25	4.882	.0396	.0068	.1976	4.664	17.55
#2	43.10	4.987	.0436	.0068	.2092	4.834	17.92

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.75	H10.01	.0070	.0383	6.350	1.009	.9916
#1	18.71	H9.894	.0121	.0383	5.954	1.027	.9826
#2	18.79	H10.13	L.0018	.0383	6.746	.9908	1.001

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1096.	L-.0224	L-.0043	.4824	.2313	5.339	.0069
#1	H1084.	L-.0084	L-.0036	.4780	.1737	5.274	.0084
#2	H1108.	L-.0365	L-.0050	.4867	.2889	5.403	.0053

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.1342	L.0059	.3495
#1	L-.1525	L.0053	.3459
#2	L-.1160	L.0065	.3532

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Method: 2004(2) Sample Name: K6679-13 Operator: MMR
Run Time: 09/20/04 14:02:58
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.313	L-.0128	L.0231	1.184	L.0002	.1614	L-.0002
#1	1.325	L.0007	.0443	1.169	L.0004	.1615	L-.0028
#2	1.302	L-.0263	L.0019	1.200	L.0001	.1613	L.0024

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.65	L-.0001	.0223	.0091	1.508	L-.0268	17.91
#1	48.28	L.0007	.0224	.0112	1.496	L.0027	17.74
#2	49.03	L-.0009	.0222	.0069	1.520	L-.0563	18.09

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.93	H7.645	.0054	L.0107	8.703	L-.0310	.0058
#1	18.74	H7.562	.0054	.0215	8.699	L-.0146	.0078
#2	19.11	H7.729	.0054	L-.0001	8.707	L-.0475	L.0039

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1113.	L-.0011	.0070	.2707	.3297	9.490	.0634
#1	H1099.	L.0139	.0095	.2663	.3842	9.401	.0641
#2	H1128.	L-.0161	.0044	.2752	.2753	9.579	.0626

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0386	L.0088	.3824
#1	.1206	L.0065	.3773
#2	L-.1977	.0111	.3875

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Method: 2004(2) Sample Name: K6679-14 Operator: MMR
Run Time: 09/20/04 14:05:04
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3911	L-.0280	L.0065	1.933	L.0004	.1618	L.0003
#1	.3788	L-.0453	L.0171	1.916	L.0004	.1666	L.0001
#2	.4033	L-.0107	L-.0040	1.950	L.0004	.1571	L.0005

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	46.30	.0088	.0551	L.0018	.7332	L-.0118	17.52
#1	46.08	.0083	.0543	L-.0004	.7300	L.0079	17.43
#2	46.51	.0094	.0560	.0040	.7365	L-.0314	17.60

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.55	H33.50	.0053	.0660	5.012	L.0126	L-.0008
#1	18.35	H33.32	.0053	.0624	4.551	L-.0148	L-.0027
#2	18.74	H33.69	.0053	.0696	5.472	.0400	L.0011

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1146.	L-.0338	L.0003	.2705	.3977	5.410	.0243
#1	H1140.	L-.0667	L.0011	.2705	.2872	5.367	.0239
#2	H1153.	L-.0009	L-.0006	.2705	.5082	5.453	.0247

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.1790	L.0007	.3769
#1	.2357	L-.0005	.3744
#2	.1222	L.0018	.3795

Analysis Report QC Standard 09/20/04 02:09:20 PM

Method: 2004(2) Sample Name: CCV6 Operator: MMR
Run Time: 09/20/04 14:07:26
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.251	5.156	2.075	.5297	.5192	5.279	.5167
#1	5.287	5.153	2.105	.5342	.5230	5.304	.5173
#2	5.216	5.158	2.045	.5253	.5154	5.253	.5161

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.182	5.160	.5161	.5284	5.176	5.054	5.194
#1	5.234	5.199	.5192	.5335	5.214	5.079	5.234
#2	5.130	5.120	.5131	.5233	5.139	5.029	5.153

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.467	.5371	.5240	5.185	25.02	2.112	.5240
#1	5.499	Q.5530	.5309	5.222	25.19	2.090	.5304
#2	5.435	.5212	.5172	5.148	24.85	2.134	.5175

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	27.04	5.163	.5207	2.579	25.62	5.224	.5240
#1	Q27.69	5.229	.5244	2.597	25.57	5.261	.5282
#2	26.39	5.098	.5170	2.561	25.67	5.186	.5197

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.191	2.654	.5278
#1	5.284	2.680	.5321
#2	5.099	2.628	.5234

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Method: 2004(2) Sample Name: CCB6 Operator: MMR
Run Time: 09/20/04 14:09:43
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0149	-.0071	.0357	-.0006	-.0001	.0205	.0004
#1	-.0225	.0005	-.0101	-.0009	.0001	.0181	.0024
#2	-.0074	-.0147	.0815	-.0003	-.0002	.0228	-.0015

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	-.0001	-.0034	.0010	-.0012	-.0145	.0005
#1	-.0011	.0012	-.0056	-.0019	-.0016	-.0298	.0005
#2	-.0015	-.0015	-.0013	.0039	-.0009	.0007	.0005

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0926	-.0003	.0035	.0011	-.4349	-.0206	-.0054
#1	-.0448	-.0012	.0018	-.0121	-.0950	-.0078	-.0067
#2	-.1404	.0005	.0053	.0143	-.7748	-.0334	-.0041

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0055	-.0008	.0019	.0001	.1627	-.0104	.0011
#1	-.0122	-.0121	.0018	.0002	Q.2162	-.0257	.0007
#2	.0012	.0105	.0019	.0001	.1092	.0049	.0015

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.1082	-.0022	-.0011
#1	-.0746	-.0016	-.0011
#2	-.1418	-.0028	-.0011

Analysis Report QC Standard 09/20/04 02:18:23 PM

Method: 2004(2) Sample Name: CCV7 Operator: MMR
Run Time: 09/20/04 14:16:25
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.020	5.009	2.000	.5033	.5069	5.145	.5088
#1	4.951	4.945	1.961	.4973	.5003	5.053	.5018
#2	5.089	5.073	2.039	.5094	.5135	5.236	.5157

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.040	5.047	.5039	.4972	5.045	5.028	5.043
#1	4.993	4.988	.5015	.4917	4.982	4.985	4.991
#2	5.087	5.106	.5062	.5028	5.108	5.072	5.094

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.934	.5041	.5116	5.073	24.57	2.042	.4957
#1	5.223	.4991	.5033	5.034	25.63	2.019	.4933
#2	4.646	.5090	.5199	5.112	23.50	2.064	.4982

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.24	5.086	.5029	2.521	25.32	5.022	.5041
#1	25.01	5.027	.5004	2.492	25.02	4.980	.4977
#2	25.47	5.145	.5054	2.550	25.61	5.064	.5105

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	4.880	2.528	.5042
#1	4.857	2.510	.4976
#2	4.904	2.546	.5108

Analysis Report QC Standard 09/20/04 02:21:47 PM page 1

Method: 2004(2) Sample Name: CCB7 Operator: MMR
Run Time: 09/20/04 14:20:26
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0375	.0039	.0350	.0012	.0000	.0006	.0015
#1	Q.0557	.0151	.0437	.0021	.0000	-.0040	-.0008
#2	.0193	-.0072	.0264	.0003	.0000	.0052	.0039

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	.0012	-.0006	.0027	.0009	.0031	.0002
#1	.0048	.0017	.0000	.0048	.0015	.0111	.0005
#2	.0031	.0006	-.0012	.0007	.0004	-.0049	-.0000

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.2414	-.0000	.0017	.0141	.3676	-.0079	.0038
#1	Q.3071	.0001	.0017	.0094	.7805	-.0062	.0069
#2	.1756	-.0002	.0017	.0188	-.0454	-.0097	.0007

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0521	.0086	.0042	-.0000	.0825	.0091	.0004
#1	-.0258	-.0080	.0050	-.0000	.0821	.0301	.0004
#2	-.0784	.0252	.0034	-.0000	.0829	-.0119	.0004

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0800	-.0017	-.0003
#1	-.1198	.0016	-.0003
#2	-.0402	-.0050	-.0003

Method: 2004(2) Sample Name: K6713-08 Operator: MMR
Run Time: 09/20/04 14:21:56
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2047	L.0188	.0538	.7905	L.0002	.1801	L.0023
#1	.1666	L.0076	L.0379	.7762	L.0003	.1734	L.0015
#2	.2429	L.0300	.0698	.8048	L.0000	.1868	.0031

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	125.7	L-.0015	.0050	.0124	.1566	.0305	H31.45
#1	123.2	L.0022	.0043	.0104	.1508	.0430	H30.86
#2	128.2	L-.0052	.0056	.0145	.1624	L.0180	H32.05

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.89	.4526	L.0034	L.0141	3.331	L-.0688	L.0026
#1	33.33	.4420	.0050	L.0165	2.560	L-.0201	L-.0005
#2	34.44	.4633	L.0017	L.0118	4.101	L-.1176	.0056

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1098.	L.0150	L.0001	1.815	.3022	2.688	.0022
#1	1079.	.0326	L.0034	1.782	.4113	2.639	L-.0011
#2	H1118.	L-.0025	L-.0032	1.848	.1932	2.738	.0056

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0109	L.0027	.5233
#1	L-.0898	L-.0072	.5129
#2	.0679	.0125	.5337

Method: 2004(2) Sample Name: K6713-08D Operator: MMR
Run Time: 09/20/04 14:23:31
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1638	L.0040	L.0087	.7872	L.0000	.1757	.0053
#1	.1519	L-.0295	L.0088	.7847	L.0000	.1735	.0064
#2	.1757	.0375	L.0087	.7896	L.0000	.1779	.0042

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	124.1	L-.0023	L-.0006	.0069	.1483	L.0154	H31.15
#1	123.0	L-.0020	L-.0027	.0048	.1457	L.0109	H30.95
#2	125.2	L-.0026	L.0014	.0090	.1509	L.0198	H31.36

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.46	.4475	L.0017	.0247	3.718	L-.0148	L.0007
#1	33.30	.4440	.0050	.0259	3.113	L-.0236	L-.0005
#2	33.62	.4510	L-.0016	.0235	4.323	L-.0061	L.0019

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1089.	L-.0025	L.0001	1.803	.1979	2.580	.0052
#1	H1087.	L.0086	L.0010	1.788	.1987	2.579	.0034
#2	H1092.	L-.0136	L-.0008	1.818	.1972	2.581	.0071

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0899	L.0005	.5198
#1	L-.0897	L-.0017	.5177
#2	L-.0900	L.0027	.5219

Method: 2004(2) Sample Name: K6713-08S Operator: MMR
Run Time: 09/20/04 14:26:35
Comment: K2406679 6713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1891	.0474	4.773	10.51	L.0000	.1801	.9555
#1	.2082	.0545	4.779	10.59	L.0000	.1685	.9619
#2	.1701	.0404	4.767	10.42	L.0000	.1916	.9491

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	126.9	4.747	.0060	.0048	.1490	4.671	H31.80
#1	127.2	4.770	.0060	.0048	.1523	4.700	H31.90
#2	126.6	4.725	.0061	.0048	.1458	4.643	H31.71

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	34.17	.4567	.0067	L.0153	3.373	.9116	.9414
#1	34.31	.4583	.0084	.0212	3.352	.9169	.9500
#2	34.03	.4550	.0050	L.0094	3.394	.9064	.9328

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1108.	L.0002	L-.0068	1.836	.4239	2.684	.0067
#1	H1114.	L-.0173	L-.0075	1.839	.3904	2.688	.0049
#2	H1101.	L.0178	L-.0062	1.833	.4574	2.681	.0086

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.1303	L.0021	.5282
#1	L-.0907	L.0059	.5323
#2	L-.1698	L-.0017	.5240

Method: 2004(2) Sample Name: K6713-08L Operator: MMR
Run Time: 09/20/04 14:28:41
Comment: K2406713 2/10 DILUTION TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0374	L-.0221	L.0381	.1586	L-.0001	.0444	L.0026
#1	L.0083	L-.0296	.0675	.1574	L-.0003	.0398	L-.0012
#2	.0666	L-.0147	L.0087	.1599	L.0000	.0489	.0064

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.99	L-.0010	L.0000	L.0021	.0307	L.0013	6.699
#1	25.77	L-.0020	L-.0026	L-.0007	.0297	L-.0049	6.644
#2	26.22	L.0001	L.0027	.0048	.0318	L.0075	6.753

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.861	.0915	.0050	L.0129	L.4697	L-.0462	L-.0005
#1	6.638	.0909	.0050	L.0165	L.5166	L-.0340	L-.0030
#2	7.083	.0922	.0050	L.0094	L.4229	L-.0584	L.0020

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	224.9	L-.0053	L.0014	.3734	.2008	.5238	L.0015
#1	223.2	.0252	L.0001	.3712	.2429	.5100	L.0019
#2	226.5	L-.0357	L.0026	.3755	.1587	.5377	L.0011

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.1026	L.0010	.1047
#1	L-.1579	L.0059	.1033
#2	L-.0472	L-.0039	.1060

Method: 2004(2) Sample Name: K6713-09 Operator: MMR
Run Time: 09/20/04 14:30:44
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0638	L.0001	L-.0043	.8475	L.0000	.1375	.0066
#1	.0809	L.0001	L.0292	.8541	L.0000	.1397	.0038
#2	.0466	L.0002	L-.0379	.8408	L.0000	.1352	.0094

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	131.7	L.0009	L.0006	L.0027	.0206	.0680	H35.69
#1	132.3	L.0022	L-.0002	.0048	.0219	.0662	H35.78
#2	131.2	L-.0004	L.0013	L.0007	.0192	.0698	H35.59

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	38.36	.1576	.0100	L.0129	2.271	L-.0027	L-.0029
#1	38.54	.1578	.0117	L.0023	2.398	L.0043	L-.0005
#2	38.18	.1573	.0083	.0235	2.143	L-.0097	L-.0054

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1094.	L-.0385	L.0035	1.230	.2472	1.723	.0037
#1	H1097.	L-.0486	L.0019	1.233	.1603	1.726	.0026
#2	H1091.	L-.0283	.0051	1.227	.3340	1.721	.0049

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0818	L-.0028	.5268
#1	L-.0026	L-.0050	.5309
#2	L-.1610	L-.0006	.5226

Method: 2004(2) Sample Name: K6713-16 Operator: MMR
Run Time: 09/20/04 14:32:55
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0337	L.0152	L.0003	.9513	L.0000	.1742	.0076
#1	.0356	.0301	.0470	.9522	L.0000	.1673	.0057
#2	.0318	L.0002	L-.0464	.9504	L.0000	.1812	.0095

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	435.2	L-.0058	L-.0034	L-.0000	L.0056	L.0253	H46.98
#1	436.2	L-.0063	L-.0026	L.0007	L.0053	.0538	H47.07
#2	434.2	L-.0052	L-.0042	L-.0007	L.0060	L-.0032	H46.88

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.55	.2165	.0050	.0306	1.543	L-.0567	L-.0097
#1	52.76	.2170	.0050	.0353	1.053	L-.0584	L-.0079
#2	52.33	.2160	.0050	.0259	2.032	L-.0550	L-.0116

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1148.	L-.0016	L-.0023	1.927	.3778	1.441	.0071
#1	H1149.	L.0122	L.0001	1.929	.3769	1.431	.0086
#2	H1146.	L-.0154	L-.0048	1.925	.3788	1.452	.0056

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0222	L-.0088	.6989
#1	.0775	L-.0104	.6992
#2	L-.0332	L-.0072	.6985

Analysis Report 09/20/04 02:37:04 PM

Method: 2004(2) Sample Name: K6713-17 Operator: MMR
Run Time: 09/20/04 14:35:12
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0774	L.0226	L.0130	1.078	L.0000	.1436	.0085
#1	.0993	L.0076	L.0290	1.084	L.0000	.1435	.0060
#2	.0556	.0375	L-.0029	1.073	L.0000	.1437	.0109

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	545.2	L-.0055	L-.0007	.0034	.0180	L.0101	H36.73
#1	547.6	L-.0042	L.0015	.0062	.0182	L-.0032	H36.91
#2	542.7	L-.0068	L-.0028	L.0007	.0178	L.0235	H36.54

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.73	.0196	L.0017	L.0129	2.952	L-.0462	L-.0005
#1	40.97	.0203	.0050	L.0047	2.901	L-.0863	L.0007
#2	40.49	.0190	L-.0016	.0212	3.003	L-.0062	L-.0018

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1205.	L.0002	L.0001	1.981	.4906	1.336	.0116
#1	H1210.	.0270	L.0010	1.993	.5508	1.358	.0094
#2	H1200.	L-.0265	L-.0008	1.969	.4304	1.314	.0139

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0466	L.0059	.5727
#1	L-.0230	L.0048	.5755
#2	L-.0701	L.0070	.5699

Method: 2004(2) Sample Name: K6713-24 Operator: MMR
Run Time: 09/20/04 14:37:21
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0355	L.0151	L-.0148	.9845	L.0000	.1757	.0100
#1	.0391	L.0151	L-.0280	.9729	L.0000	.1783	.0114
#2	.0319	L.0151	L-.0016	.9961	L.0000	.1731	.0087

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	362.5	L-.0036	L-.0048	L-.0007	.0427	.1062	H55.14
#1	360.4	L-.0020	L-.0041	L-.0007	.0423	.1195	H54.71
#2	364.5	L-.0052	L-.0054	L-.0007	.0431	.0929	H55.56

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	62.09	1.076	.0083	L.0153	4.208	L-.0323	L-.0066
#1	61.19	1.066	.0117	.0259	3.658	L.0008	L-.0079
#2	62.99	1.086	.0050	L.0047	4.757	L-.0654	L-.0054

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1119.	L.0039	L.0022	1.519	.3031	2.179	.0094
#1	H1105.	L-.0099	L.0019	1.504	.3152	2.166	.0109
#2	H1133.	L.0178	L.0026	1.534	.2911	2.192	.0079

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.0619	.0136	.5908
#1	L-.0166	.0125	.5845
#2	.1405	.0147	.5970

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Method: 2004(2) Sample Name: K6713-25 Operator: MMR
Run Time: 09/20/04 14:39:26
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0384	L.0263	L.0105	.8630	L.0000	.1268	.0042
#1	.0538	.0300	L-.0027	.8700	L.0000	.1290	.0066
#2	L.0229	L.0226	L.0237	.8560	L.0000	.1246	L.0017

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	492.0	L-.0055	L-.0007	L-.0000	.0163	.0475	H39.06
#1	495.1	L-.0058	L.0001	L.0007	.0155	.0413	H39.29
#2	488.8	L-.0052	L-.0014	L-.0007	.0172	.0538	H38.82

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	43.07	.2188	L.0017	L.0165	3.565	L-.0671	L-.0097
#1	43.38	.2206	L.0017	L.0118	3.854	L-.0828	L-.0054
#2	42.77	.2170	L.0017	.0212	3.275	L-.0515	L-.0140

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1118.	L-.0053	L.0005	1.147	.2391	1.915	.0112
#1	H1125.	L.0067	L.0001	1.154	.1558	1.944	.0116
#2	H1110.	L-.0173	L.0009	1.139	.3224	1.886	.0109

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0487	L-.0017	.7437
#1	.1993	L.0027	.7493
#2	L-.1019	L-.0061	.7382

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Method: 2004(2) Sample Name: CCV8 Operator: MMR
Run Time: 09/20/04 14:41:50
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.847	4.860	1.970	.4836	.4854	4.989	.4885
#1	4.851	4.816	2.029	.4833	.4852	4.975	.4896
#2	4.844	4.905	1.912	.4839	.4855	5.002	.4874

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.916	4.882	.4878	.4786	4.888	4.921	4.869
#1	4.926	4.879	.4835	.4806	4.886	4.916	4.870
#2	4.906	4.885	.4920	.4765	4.890	4.926	4.868

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.828	.4883	.4851	4.913	23.48	1.883	.4815
#1	4.879	.4870	.4900	4.914	22.84	1.876	.4796
#2	4.777	.4895	.4801	4.912	24.13	1.890	.4833

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.38	5.045	.4876	2.448	24.68	4.865	.4872
#1	24.41	5.027	.4881	2.444	24.56	4.870	.4872
#2	24.35	5.064	.4872	2.452	24.80	4.859	.4872

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	4.882	2.405	.4837
#1	4.842	2.405	.4837
#2	4.922	2.406	.4837

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Method: 2004(2) Sample Name: CCB8 Operator: MMR
Run Time: 09/20/04 14:43:47
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0145	-.0333	-.0070	-.0012	-.0001	.0191	-.0010
#1	-.0062	-.0445	-.0026	-.0009	.0000	.0328	.0000
#2	-.0227	-.0222	-.0113	-.0015	-.0003	.0053	-.0020

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	-.0023	-.0036	.0014	-.0028	.0031	.0013
#1	.0097	-.0015	-.0043	-.0007	-.0023	-.0013	.0015
#2	.0087	-.0031	-.0029	.0034	-.0033	.0076	.0010

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0064	-.0002	.0034	.0094	-1.433	-.0201	-.0012
#1	-.0266	-.0008	-.0016	.0071	-1.459	.0043	-.0042
#2	.0138	.0005	.0083	.0118	-1.408	-.0445	.0019

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	-.0375	-.0023	.0000	Q.2271	-.0033	-.0019
#1	.0185	-.0394	-.0024	.0000	Q.2395	-.0148	-.0019
#2	-.0230	-.0357	-.0023	-.0000	Q.2148	.0081	-.0019

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0161	-.0050	-.0003
#1	.0077	-.0050	-.0003
#2	-.0400	-.0050	-.0003

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Method: 2004(2) Sample Name: CCV9 Operator: MMR
Run Time: 09/20/04 15:03:24
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.984	4.996	1.944	.5021	.5026	5.043	.5065
#1	4.990	4.975	1.974	.5009	.5018	5.028	.5070
#2	4.978	5.016	1.913	.5034	.5034	5.057	.5060

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.009	5.034	.5034	.5007	5.029	4.993	5.025
#1	5.010	5.031	.5014	.5014	5.026	4.983	5.021
#2	5.008	5.037	.5055	.5000	5.033	5.004	5.029

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.781	.5040	.5000	5.017	24.80	1.993	.5037
#1	4.829	.5040	.5016	5.003	25.04	2.018	.5068
#2	4.734	.5040	.4984	5.032	24.56	1.968	.5006

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.20	5.022	.4998	2.511	25.13	5.009	.5025
#1	25.14	5.021	.4994	2.507	25.25	5.014	.5021
#2	25.27	5.024	.5002	2.514	25.02	5.004	.5028

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.048	2.538	.5032
#1	5.184	2.529	.5018
#2	4.912	2.547	.5046

Analysis Report QC Standard 09/20/04 03:07:09 PM

Method: 2004(2) Sample Name: CCB9 Operator: MMR
Run Time: 09/20/04 15:05:21
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0212	-.0073	.0264	-.0015	.0002	-.0266	.0017
#1	.0008	.0075	.0236	-.0015	.0003	-.0144	.0017
#2	.0417	-.0222	.0292	-.0015	.0000	-.0388	.0016

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	-.0000	-.0007	.0001	-.0007	-.0003	.0008
#1	.0010	.0010	.0013	-.0006	-.0013	-.0062	.0010
#2	.0088	-.0010	-.0027	.0008	-.0000	.0056	.0005

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0112	-.0011	.0047	.0123	.1518	.0421	.0005
#1	-.0493	-.0014	.0016	Q.0243	-.1212	.0156	-.0032
#2	.0268	-.0008	.0079	.0003	.4249	.0686	.0042

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0420	-.0130	.0001	-.0000	-.1596	.0025	-.0006
#1	.0123	-.0233	-.0007	-.0001	-.1706	.0020	-.0010
#2	.0716	-.0026	.0010	.0000	-.1485	.0029	-.0003

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.1442	-.0006	-.0003
#1	-.0401	-.0039	-.0003
#2	-.2483	.0027	-.0003

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Method: 2004(2) Sample Name: K6713-32 Operator: MMR
Run Time: 09/20/04 15:07:24
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0811	L-.0035	L-.0024	.8280	L.0000	.1315	.0065
#1	.0776	L-.0146	L-.0197	.8308	L.0000	.1375	.0112
#2	.0846	L.0076	L.0149	.8253	L.0000	.1255	L.0019

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	380.7	L-.0049	L-.0006	.0163	.0150	L-.0063	H75.07
#1	381.7	L-.0046	L-.0013	.0163	.0130	L-.0097	H75.22
#2	379.6	L-.0051	L.0001	.0163	.0169	L-.0029	H74.92

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	82.49	.3276	.0047	L.0199	6.726	L-.0073	L-.0038
#1	82.75	.3281	L.0016	L.0199	6.717	L-.0126	L-.0069
#2	82.23	.3271	.0079	L.0199	6.734	L-.0020	L-.0007

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1165.	L.0117	L.0022	.2678	.1972	2.650	.0071
#1	H1168.	L.0101	L.0025	.2689	.1923	2.651	.0075
#2	H1161.	L.0133	L.0018	.2668	.2020	2.648	.0068

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0258	L-.0039	.4401
#1	L-.0981	L-.0017	.4415
#2	L.0466	L-.0061	.4387

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Method: 2004(2) Sample Name: K6713-33 Operator: MMR
Run Time: 09/20/04 15:09:17
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0240	L.0224	L.0241	.8241	L.0000	.0924	L.0028
#1	L.0079	L.0150	L.0386	.8179	L.0000	.0844	.0036
#2	.0400	L.0298	L.0096	.8302	L.0000	.1004	L.0020

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	397.8	L-.0041	L-.0027	.0725	L.0021	L-.0037	H65.83
#1	395.9	L-.0046	L-.0027	.0725	L.0032	L-.0062	H65.58
#2	399.7	L-.0036	L-.0027	.0725	L.0010	L-.0012	H66.07

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	71.54	.5004	L-.0016	.0232	5.621	L-.0215	L-.0082
#1	71.12	.4981	L-.0016	.0243	5.373	L.0050	L-.0082
#2	71.96	.5028	L-.0016	.0221	5.870	L-.0480	L-.0082

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1171.	L-.0074	L-.0000	.3133	.1397	2.782	.0061
#1	H1166.	L-.0058	L.0008	.3133	.1529	2.765	.0075
#2	H1176.	L-.0090	L-.0008	.3133	.1264	2.800	.0047

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0028	L-.0012	.4811
#1	.0937	L-.0050	.4779
#2	L-.0994	L.0027	.4842

Method: 2004(2) Sample Name: K6713-41 Operator: MMR
Run Time: 09/20/04 15:11:12
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0677	L.0076	L-.0069	1.090	L.0000	.0681	.0077
#1	.0615	L.0150	.0639	1.093	L.0000	.0721	.0053
#2	.0740	L.0001	L-.0777	1.087	L.0000	.0641	.0101

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	521.0	L-.0031	L-.0008	L.0022	L.0035	L-.0029	H31.74
#1	522.3	L-.0057	L-.0001	.0036	L.0038	L-.0216	H31.82
#2	519.7	L-.0005	L-.0015	L.0008	L.0031	L.0158	H31.65

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.46	.1736	L.0031	L.0112	7.023	L-.0020	L-.0051
#1	33.59	.1745	L.0016	L.0178	6.848	L.0121	L-.0045
#2	33.33	.1726	.0047	L.0047	7.198	L-.0162	L-.0057

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1167.	L-.0274	L.0038	.6596	.1056	2.457	.0082
#1	H1172.	L-.0298	L.0025	.6628	.1051	2.460	.0082
#2	H1162.	L-.0250	.0050	.6565	.1062	2.453	.0082

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0359	.0103	.5952
#1	L.0040	L.0070	.5970
#2	L-.0758	.0136	.5935

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Method: 2004(2) Sample Name: K6713-42 Operator: MMR
Run Time: 09/20/04 15:13:04
Comment: K2406713 TCLP KA0404994
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0927	.0409	L.0102	1.106	L.0003	.0746	.0041
#1	.0792	.0446	L-.0143	1.107	L.0003	.0747	.0046
#2	.1062	.0371	L.0346	1.105	L.0003	.0746	.0037

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	572.3	L-.0057	L-.0006	L.0029	.0126	L.0090	24.70
#1	571.9	L-.0082	L-.0013	L.0008	.0108	L-.0097	24.69
#2	572.7	L-.0031	L-.0000	.0050	.0144	L.0277	24.70

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.70	.0288	L.0031	L.0080	8.079	L-.0409	L-.0038
#1	25.57	.0290	.0047	L.0112	7.965	L-.0338	L-.0070
#2	25.83	.0287	L.0016	L.0047	8.193	L-.0480	L-.0007

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1161.	L.0093	L.0025	.5654	.1129	2.232	.0100
#1	H1162.	L.0197	L-.0007	.5654	.1400	2.220	.0096
#2	H1160.	L-.0010	.0058	.5654	.0858	2.243	.0103

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0211	L.0076	.6390
#1	L-.1170	L-.0072	.6390
#2	.0748	.0223	.6390

Analysis Report QC Standard 09/20/04 03:17:03 PM page 1

Method: 2004(2) Sample Name: CCV10 Operator: MMR
Run Time: 09/20/04 15:15:04
Comment: ICP2-55-A KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.074	5.086	2.060	.5101	.5086	5.083	.5087
#1	5.085	5.053	2.057	.5095	.5083	5.085	.5034
#2	5.062	5.119	2.063	.5107	.5089	5.081	.5140

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.250	5.098	.5104	.5063	5.092	5.066	5.100
#1	5.251	5.089	.5137	.5070	5.084	5.070	5.097
#2	5.250	5.106	.5071	.5056	5.100	5.061	5.103

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.981	.5097	.5000	5.088	25.94	2.035	.5100
#1	5.171	.5084	.4953	5.110	26.87	2.057	.5082
#2	4.791	.5109	.5048	5.066	25.02	2.014	.5119

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.79	5.082	.5074	2.549	25.38	5.087	.5096
#1	25.82	5.065	.5085	2.549	25.27	5.098	.5099
#2	25.76	5.099	.5063	2.550	25.49	5.075	.5092

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.279	2.543	.5102
#1	5.343	2.532	.5095
#2	5.215	2.554	.5109

Method: 2004(2) Sample Name: CCB10 Operator: MMR
Run Time: 09/20/04 15:17:11
Comment: KA0404992
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0329	.0075	-.0069	-.0006	.0003	-.0287	-.0009
#1	.0222	-.0221	-.0142	-.0009	.0003	-.0267	.0024
#2	.0437	.0371	.0003	-.0003	.0003	-.0307	-.0043

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0167	-.0008	.0006	-.0006	-.0004	-.0114	.0016
#1	.0205	.0010	.0013	-.0020	-.0030	-.0216	.0016
#2	.0129	-.0026	-.0001	.0008	.0022	-.0011	.0016

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.2265	-.0008	.0031	.0058	-.5451	-.0374	-.0001
#1	Q.3026	-.0012	.0079	.0025	-1.319	-.0303	-.0032
#2	.1504	-.0003	-.0016	.0091	.2293	-.0445	.0030

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0660	-.0114	.0034	-.0000	-.1493	-.0117	-.0003
#1	.0603	.0006	.0075	-.0000	-.1496	-.0141	-.0010
#2	.0716	-.0234	-.0008	-.0000	-.1490	-.0094	.0004

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0644	-.0001	-.0003
#1	-.1045	.0005	-.0003
#2	-.0243	-.0006	-.0003

Conestoga Rovers- Lead Impacted Soil - Fox Hauling

Date shipped	Weight in lbs	weight(tons)	transaction Number
2/27/2008	15,980	7.99	1818023
2/27/2008	13,760	6.88	1818024
2/27/2008	14,440	7.22	1818025
2/27/2008	17,520	8.76	1818026
2/27/2008	16,940	8.47	1818027
2/27/2008	21,840	10.92	1818028
2/27/2008	23,160	11.58	1818029
2/27/2008	19,900	9.95	1818030
2/27/2008	17,060	8.53	1818031
2/27/2008	14,360	7.18	1818032
2/27/2008	14,760	7.38	1818033
2/27/2008	16,200	8.10	1818034
2/27/2008	15,460	7.73	1818035
2/27/2008	32,500	16.25	1818036
2/27/2008	22,160	11.08	1818037
2/27/2008	30,580	15.29	1818860
2/27/2008	18,300	9.15	1818861
2/27/2008	25,200	12.60	1818862
2/28/2008	30,540	15.27	1818863
2/28/2008	38,780	19.39	1818864
2/28/2008	36,100	18.05	1818865
2/28/2008	30,220	15.11	1818866
2/28/2008	36,860	18.43	1818867
2/28/2008	28,320	14.16	1818868
2/28/2008	24,820	12.41	1818869
2/28/2008	37,260	18.63	1818910
2/28/2008	37,800	18.90	1818911
2/28/2008	50,520	25.26	1818912
	701,340	**350.67**	

TK 41 out 0900

974513-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974513-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1059 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 YDS	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818023

M 1598016

[11605631]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 Day 27 Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MURRAY | Signature | Month 2 Day 27 Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [illegible] | Signature | Month 02 Day 27 Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY TO OFFEROR

IK 72 4906

974514-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST

1. Offeror's ID Number: IND005477021

2. Page 1 of 1

3. Emergency Response Phone: (800)326-1221

4. Tracking Number: 974514-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_D462867_T#1818024

PM: 1376016

[1160564]

14. **OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

OFFEROR

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Fox Hauling | Signature: [illegible] | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

TRANSPORTER

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [illegible] | Signature: [illegible] | Month 02 | Day 27 | Year 08

DESIGNATED FACILITY

TK 73 U412

974515-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974515-15524

OFFEROR

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_Q462867_T#1818025

NA 144406

[1160565]

14. **OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

TRANSPORTER

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GERALD A. ROBERTS | Signature: Gerald A. Roberts | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name | Signature | Month 02 | Day 27 | Year 08

TK 79 0917

974516-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974516-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 Y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818026

PO: 1752016

[11605661]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles S Bryan | Signature: Chas S Bryan | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: DAW BMA | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK 67 0920

974517-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST

1. Offeror's ID Number: IND005477021
2. Page 1 of 1
3. Emergency Response Phone: (800)326-1221.
4. Tracking Number: 974517-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818027

Wt: 169401b

[11605671]

14. **OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 Day 27 Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JEFF JENKINS | Signature: Jeff Jenkins | Month 2 Day 27 Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: Dan Mana | Signature | Month 02 Day 27 Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK 69 0925

974518-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST

1. Offeror's ID Number: IND005477021

2. Page 1 of 1

3. Emergency Response Phone: (800)326-1221

4. Tracking Number: 974518-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818028

Mt; 2184016

[11605683]

14. **OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kenneth Rodenbaugh | Signature | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [illegible] | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK71 0930

974519-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974519-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 y	V
	2.				
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	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.WO_0462867_T#1818029

M 2316016

[1160569]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JERRY Hughes | Signature: Jerry Hughes | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [illegible] | Signature: [illegible] | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK 7 0955

974520-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974520-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818030

Ant 199016

[11605701]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard L Holladay | Signature: Richard Holladay | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: David Barca | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK8 1000

974521-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974521-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1090 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_Q462867_T#1818031

Wt. 17060lb

[11605711]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

JR

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles McCarthy | Signature: Charles McCarthy | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

9K69 R25

974522-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974522-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1090 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117S24

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818032

M.1436016

[1160572]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 JR | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kenneth Rodenberger | Signature | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: Doug Bma | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TRL 71 1230

974523-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974523-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_Q462867_T#1818033

Mt. 1476016

[11605731]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

JRL

Transporter 1 Printed/Typed Name: Jerry Hughes | Signature: Jerry Hughes | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [illegible] | Signature: [illegible] | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK 79 1235

974524-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974524-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit WT./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818034

Mt 162016

[11605741]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles S Bryan | Signature: Charles S Bryan | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK41 1300

974525-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974525-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818035

PO: 1540016

[11605751]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MURRAY | Signature: Murray | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: DAVID BANKA | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

TK72 1305

974526-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974526-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818036

M 32 SW 16

[11605761]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. Signature: Joseph F. Riley Jr. Month 2 Day 27 Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bob Treece Signature: Bob Treece Month 2 Day 27 Year 08

Transporter 2 Printed/Typed Name: Signature: Month Day Year

16. Discrepancy

17. Designated Facility Owner or Operator Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: Dan Bates Signature: Month 02 Day 27 Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

TK 73 1315

974527-15524

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	974527-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818037

M 221606

[11605771]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: JOSEPH F. RILEY, JR. Signature: Joseph F. Riley Jr. Month 2 Day 27 Year 08

OFFEROR

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JERROLD ROBERTS Signature: Jerrold Roberts Month 2 Day 27 Year 08 JR

Transporter 2 Printed/Typed Name: Signature: Month Day Year

TRANSPORTER

16. Discrepancy

DESIGNATED FACILITY

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: Signature: Month 02 Day 27 Year 08

DESIGNATED FACILITY TO OFFEROR

TK 61 1050

975117-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975117-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818860

M. 3058016

[11611751]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

OFFEROR

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JEFF JENKINS | Signature: Jeff Jenkins | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

TRANSPORTER

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: DAVID DAVIS | Signature | Month 02 | Day 27 | Year 08

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

TK 8 1335

975118-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975118-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818861

Wt 18300 lb

[11611761]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 27 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CHARLES McCARTHY | Signature: Charles McCarthy | Month 2 | Day 27 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: DAVID BAKA | Signature | Month 02 | Day 27 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

IK / 1335

975119-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975119-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name: FOX HAULING & CONSTRUCTION — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number:
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818862

M 2520016

[11611771]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. — Signature: Joseph F. Riley Jr. — Month 2 Day 27 Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard L Holladay — Signature: Richard L Holladay — Month 2 Day 27 Year 08

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: DAVID BARRA — Signature — Month 02 Day 27 Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

IK 11 0756

975120-15524

HAZMAT BILL OF LADING/MANIFEST

1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
IND005477021	1	(800)326-1221	975120-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_Q462867_T#1818863

AM 3054016

[11611783]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 28 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JERRY Hughes | Signature: Jerry Hughes | Month 2 | Day 28 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: DAVID RAMA | Signature | Month | Day | 02-28-08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFE

TK 69 U015

975121-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975121-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name: FOX HAULING & CONSTRUCTION — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number:
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818864

ml 3878016

[11611791]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. — Signature: Joseph F. Riley Jr. — Month 2 Day 28 Year 08

OFFEROR

15. Transporter Acknowledgment of Receipt of Materials — JR

Transporter 1 Printed/Typed Name: Kenneth Rodenberger — Signature — Month 2 Day 28 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

TRANSPORTER

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: Dan Brown — Signature — Month 02 Day 28 Year 08

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

TK4C 0030

975122-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975122-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818865

M 3610016

[11611801]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name	Signature	Month	Day	Year
Joseph F. Riley Jr.	Joseph F. Riley Jr.	2	28	08

15. Transporter Acknowledgment of Receipt of Materials

JR

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Fred D Perdue	Fred D Perdue	2	28	08
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name	Signature	Month	Day	Year
DAN BARCA		02	28	08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

1K26 0040

975123-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975123-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_Q462867_T#1818866

ml 3022016

[11611181]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 28 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael L. Deck | Signature: Michael L. Deck | Month 2 | Day 28 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name | Signature | Month 02 | Day 28 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

7K 12 0806

975124-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975124-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818867

M 36860 W

[11611821]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

OFFEROR

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 28 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

TRANSPORTER

Transporter 1 Printed/Typed Name: JERALD ROBERTS | Signature: Jerald Roberts | Month 2 | Day 28 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

DESIGNATED FACILITY

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name | Signature | Month 02 | Day 28 | Year 08

DESIGNATED FACILITY TO OFFEROR

TK93 0853

975125-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975125-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name: FOX HAULING & CONSTRUCTION — U.S. EPA ID Number:

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit WL/Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818868

M2832016

[11611833]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. — Signature: Joseph F. Riley Jr. — Month 2 Day 28 Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jack R. Pilar — Signature: Jack R. Pilar — Month 2 Day 28 Year 08

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [illegible] — Signature: [illegible] — Month 02 Day 28 Year 08

OFFEROR — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

IND V905

975126-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975126-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818869

~~M 242~~ @ 2-28-08
M 248201h

[11611843]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. Signature: [signature] Month 2 Day 28 Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles McCarthy Signature: [signature] Month 2 Day 28 Year 08

Transporter 2 Printed/Typed Name Signature Month Day Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [signature] Signature: [signature] Month 02 Day 28 Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

IK / 0940

975226-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975226-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818910

Mt. 37260lb

[11612051]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 28 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard L Holladay | Signature: Richard L Holladay | Month 2 | Day 28 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name | Signature | Month 02 | Day 28 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

'1K10 1000

975227-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975227-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	15 y	V
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_Q462867_T#1818911

Md 3780016

[11612061]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 28 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GARY A. DUTTON | Signature: Gary A. Dutton | Month 2 | Day 28 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: [illegible] | Signature: [illegible] | Month 02 | Day 28 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

JK 11 1045

975228-15524

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	IND005477021	1	(800)326-1221	975228-15524

5. Offeror's Name and Mailing Address
RADIO MATERIALS CORPORATION / JOE RILEY
1050 E. SUMMIT AVENUE
ATTICA, IN 47918
Offeror's Phone: (765)762-6175

Offeror's Site Address (if different than mailing address)
RADIO MATERIALS CORPORATION / JOE RILEY
1095 E. SUMMIT AVENUE
ATTICA, IN 47918
GEN: 117824

6. Transporter 1 Company Name
FOX HAULING & CONSTRUCTION
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES, LLC
4370 W COUNTY ROAD 1275 N
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED	1	DT	154	Y
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W60_0462867_T#1818912

est 50520 lb

[11612073]

14. OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Joseph F. Riley, Jr. | Signature: Joseph F. Riley Jr. | Month 2 | Day 28 | Year 08

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Hughes | Signature: Jerry Hughes | Month 2 | Day 28 | Year 08

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in Item 16

Printed/Typed Name | Signature | Month 02 | Day 28 | Year 08

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

APPENDIX B

LABORATORY ANALYTICAL REPORT AND DATA QUALITY ASSESSMENT AND VALIDATION MEMO

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-01 Lab Code: K0801730-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	23.6	8.3	2	3/3/08	03/04/08	30.5		

% Solids: 83.9

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-02 Lab Code: K0801730-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	23.3	8.2	2	3/3/08	03/04/08	31.9		

% Solids: 82.6

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-03 Lab Code: K0801730-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	22.8	8.0	2	3/3/08	03/04/08	109		

% Solids: 86.7

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-04 Lab Code: K0801730-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	23.6	8.3	2	3/3/08	03/04/08	287		

% Solids: 80.6

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-05 Lab Code: K0801730-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	24.1	8.4	2	3/3/08	03/04/08	164		

% Solids: 81.4

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-06 Lab Code: K0801730-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	22.9	8.0	2	3/3/08	03/04/08	68.5		

% Solids: 82.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-07 Lab Code: K0801730-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	22.9	8.0	2	3/3/08	03/04/08	174		

% Solids: 83.2

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	02/28/08
Project Name:	RMC-Attica, IN	Date Received:	03/01/08
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: S19190-022808-SJ-08 Lab Code: K0801730-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	24.8	8.7	2	3/3/08	03/04/08	16.7	B	

% Solids: 80.7

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Conestoga-Rovers & Associates, Incorporate	Service Request:	K0801730
Project No.:	19190	Date Collected:	NA
Project Name:	RMC-Attica, IN	Date Received:	NA
Matrix:	SOIL	Units:	mg/kg
		Basis:	Dry

Sample Name: Method Blank Lab Code: K0801730-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	20.0	7.0	2	3/3/08	03/04/08	7.0	U	

% Solids: 100.0

Comments:

CONESTOGA-ROVERS & ASSOCIATES

6520 Corporate Drive
Indianapolis, Indiana 46278
Telephone: (317) 291-7007 Fax: (317) 328-2666
www.CRAworld.com

MEMORANDUM

TO:	Steve Wanner	REF. NO.:	019190
FROM:	Michael Richardson/sl/108	DATE:	March 26, 2008

RE: Data Quality Assessment and Validation for the Confirmatory Soil Samples Collected from the Radio Materials Corporation Site in Attica, Indiana.

The following details a quality assessment and validation of the analytical data resulting from the February 28, 2008 collection of confirmatory soil samples from the Radio Materials Corporation Site in Attica, Indiana. The sample summary detailing sample identification, sample location, and analytical parameters is presented in Table 1. Sample analysis was completed by Columbia Analytical Services, Inc. (CAS) of Kelso, Washington, in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the Quality Assurance Project Plan for the Phase IIB RCRA Facility Investigation (QAPP). Application of quality assurance criteria was consistent with the following guidance documents:

i. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", EPA 540-R-01-008, July 2002.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

Sample Quantitation

The laboratory reported detected concentrations of lead below the laboratory's practical quantitation limit (PQL)/report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "B". These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum. The laboratory "B" flags may be disregarded.

Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2.

The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by CAS, were prepared and analyzed within the required holding time periods.

The samples were shipped and maintained in accordance with the samples preservation requirements.

Initial Calibration – Inorganic Analyses

The initial calibration includes a blank and at least one standard for inductively coupled plasma (ICP) to establish the analytical curve. The coefficient of variation for calibration curves must exceed 0.995.

Initial calibration is verified with an initial calibration verification (ICV) standard which must recover within 90 to 110 percent for metals by ICP.

A review of the laboratory data showed that the inorganic initial calibration curves and ICVs were analyzed at the appropriate frequency and were within the acceptance criteria.

Continuing Calibration – Inorganic Analyses

Continuing calibration verification (CCV) standards are analyzed at method specified frequency (one every 10 samples). The CCVs must meet the percent recovery control limits specified above for the ICVs. Criteria for inorganic analyses are the same criteria as used for assessing the initial calibration data.

A review of the laboratory data showed that CCVs were analyzed at the appropriate frequency and the data were within the acceptance criteria.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

The method blank samples were reported to be free from detectable levels of target analytes, indicating no laboratory-attributable contamination occurred.

Laboratory Blank Samples – Inorganic Analyses

Metals analyses include the analysis of initial calibration blanks (ICB) and continuing calibration blanks (CCB) to assess the presence and the magnitude of sample contamination introduced during sample analysis. The CCBs are analyzed at a minimum frequency of one every 10 samples and target analytes should be non-detect.

The ICB and CCBs were reported to be free from detectable levels of target analytes, indicating no laboratory-attributable contamination occurred.

Matrix Spike Analyses

To assess the long-term accuracy and precision of the analytical methods on various matrices, matrix spike (MS) percent recoveries of the concentrations were determined. The inorganic control limits are defined by the methods and the NFG, which require recoveries between 75 to 125 percent with RPDs less than 35 percent for soil samples. The samples selected for MS analysis are identified in Table 1.

The MS percent recoveries were met in the sample analyses.

Laboratory Control Sample Analysis

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS percent recoveries were within the laboratory control limits or did not warrant qualification, indicating that an acceptable level of overall performance was achieved.

ICP Interference Check Sample Analysis – Inorganic Analyses

To verify that proper inter-element and background correction factors had been established by the laboratory for metals analyses, the ICP interference check samples (ICS) are analyzed. The ICSs are evaluated against recovery control limits of 80 to 120 percent.

The ICS analysis results were evaluated for all samples and were within the control limits.

Serial Dilution – Inorganic Analyses

The percent difference (D) between a serial dilution of a sample for each matrix was monitored to determine physical or chemical interference. A minimum of one sample per 20 investigative samples is analyzed at a five-fold dilution. The serial dilution results must agree within 10 percent D of the original results for samples with detected concentrations greater than 50 times the instrument detection limit.

The percent D acceptance criteria were met.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision based on the provided information and may be used without qualification.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
CONFIRMATORY SOIL SAMPLING
FEBRUARY 28, 2008
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

						Analysis/Parameters	
Sample Identification	*Location*	*Matrix*	*QC Samples*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*Lead*	*Comments*
S19190-022808-SJ-01	S-01	Soil	-	02/28/08	12:00	X	
S19190-022808-SJ-02	S-02	Soil	MS	02/28/08	12:05	X	
S19190-022808-SJ-03	S-03	Soil	-	02/28/08	12:10	X	
S19190-022808-SJ-04	S-04	Soil	-	02/28/08	12:15	X	
S19190-022808-SJ-05	S-05	Soil	-	02/28/08	12:20	X	
S19190-022808-SJ-06	S-06	Soil	-	02/28/08	12:25	X	
S19190-022808-SJ-07	S-07	Soil	-	02/28/08	12:30	X	
S19190-022808-SJ-08	S-08	Soil	-	02/28/08	12:35	X	

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES
CONFIRMATORY SOIL SAMPLING
FEBRUARY 28, 2008
RADIO MATERIALS CORPORATION
ATTICA, INDIANA

Parameter	*Method*	*Matrix*	*Holding Time*	*Preservation* [2]
Lead	SW-846 6010 [1]	Soil	- 180 days from sample collection to completion of analysis	Iced, 4 ± 2° C

[1] SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986
[2] pH preservativation is not required in soil samples.

APPENDIX C

SITE PHOTOGRAPHS OF AOC 3B

Photo #1 – Outfall Located East of Building 5 in AOC 3B Prior to Excavation

Photo #2 – Looking North in AOC 3B Prior to Excavation

SITE PHOTOGRAPHS

Photo #3 – Looking South in AOC 3B Prior to Excavation

Photo #4 – Restored Excavation in AOC 3B with Stakes Marking Location of Confirmatory Soil Samples

SITE PHOTOGRAPHS

Photo #5 – Looking North at Restored Excavation in AOC 3B

Photo #6 - Looking North at Restored Excavation in AOC 3B

SITE PHOTOGRAPHS

Photo #7 – North End of Restored Excavation in AOC 3B

Photo #8 – Looking South at Summit Street Next to the Restored Excavation in AOC 3B

SITE PHOTOGRAPHS

APPENDIX D

FIELD BOOK ENTRIES

CONTENTS

PAGE NO.	REFERENCE	DATE

2-20-09

CRA - Steve Davis

weather sunny cold

task - oversight of excavation contractor

9:30 CRA on site Met with Tim Bond of Focus Contracting. Discussed scope of work for excavation.

Marked excavation area with flags. Confirmed locations for hot ponds, decon pads and roll-off staging pad.

10:30 Reviewed FOCUS HASP with Tim Bond. Also discussed schedule. Focus intends to begin tree removal in AOC 3B today. They anticipate beginning silt fence and construction fence installation today. Decon and staging pad construction scheduled for 2/21/09.

12:00 Left Site

Steve Davis

2/21/08

Personnel: Tim Prenger for CRA
Tim B. for Focus
Randy B. for Focus
Thomas B. for Focus
Rob H. for Focus

Weather: Cloudy, 20's, 10-15 mph winds
Chance for snow

Equipment: Construction Equipment
Backhoe
Bulldozer
Powerwasher

Purpose: Focus is building roads with gravel, set orange fence remove trees

1030 Health & Safety Meeting (see form)

1045 Soil for sampling should be on site sometime this afternoon

2/21/08

1100 They are putting down gravel putting up orange fence Bulldozing trees

1220 Lunch

1300 Back on site

1325 Trees cleared to within 30' of Road

1335 Collect soil sample from backfill material

S-019190-TP-001
VOCs, SVOCs, % moisture
(5) containers

1500 Offsite due to heavy snow

TLP
2/21/08

2-27-08
(51)

Sunny 17°F AM
Partly Overcast 24°F PM

0730 SS on site
Focus has 1 superintendent
2 - operators
1 - Laborer
Tailgate - safety mtg.

H&S drops off 2 - roll off boxes.

0800 D4 pushing roll offs into positions in staging area and waiting for road stone delivery.

Cat 320 moved up to AOC 3 to excavate ditch line.

0845 Trucks have not yet arrived with gravel or to pickup impacted soil from AOC 3.

0850 Fox Hauling starts arriving with 6 loads of gravel (All 6 arrived together with no staggering).

0855 Start excavating in AOC 3B from Northend heading south.

0930 7 trucks loaded and signed out

1000 2 more trucks out with soil

1030 D4 finished spreading gravel for staging pad and moving rolloffs into position by Summit 1-2

1130 Lunch break

1200 Truck 69 on site. Start loading (lined with poly)

Loading trucks from ditch @ AOC 3. The first round all trucks were light by several tons. Adding more material for each truck.

1245 Additional manifests are delivered to JRiley for signature

HES delivers 1 roll off

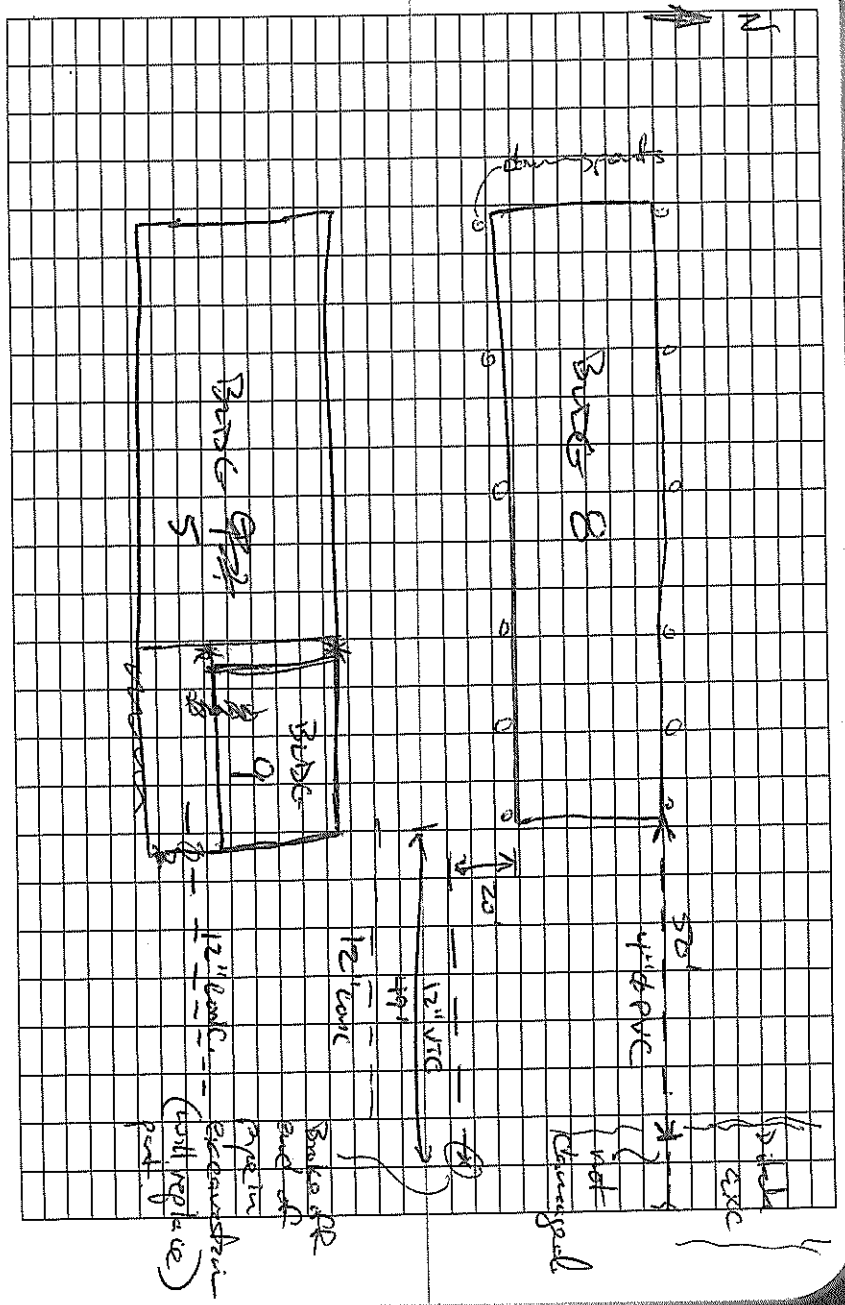
1315 trucks loaded and waiting for manifests (3 loads) others left side for the 2nd Round.

1345 2nd Round of trucks are gone (18 LDS total today)

wrap up ditch work for the day start here again in AM since no time to get in third round. (landfill closes @ 4pm)

1400 Focus moves over to SWMU 1+2 to load up 3 roll off that arrived today.

During ditch work, Focus encountered 1-4" ⌀ PVC line and 1 12" VTC pipe oriented E-W and ending in ditch.
Lines appear to come from roof gutter drains from BLDG (see sketch)
The VTC pipe was cracked during the work, Focus to repair.
4" PVC line is intact



1500 focus off site for the day

- we now have 12 roll offs loaded @ SWMU 1+2
- 169 LF of ditch excavated with ≈180 LF to go.

1515 2 additional Rolloffs arrive
total 5 delivered today

2-28-08
(55) sunny

35°F Pm 11

0730 SS on site
0740 Trucks start arriving
start excavating in ditch line @ AOC3. and loading trucks

Excavating to the south and loaded trucks.
1000 Load #9 is loaded.
WAITING for 1 more truck to finish ditch excavation.
1030 Truck 71 returns and loads up
finishing up the ditch excavating

During excavation, found 2 - 12" concrete storm lines oriented E-W and ending in the ditch (See sketch for locations) - 813

1100 SS sampling soils in ditch for confirmation.
Excavator 320 moves back to SWMU 1+2 to continue excavation

HES delivered 2 rolloffs @ 0800 today.

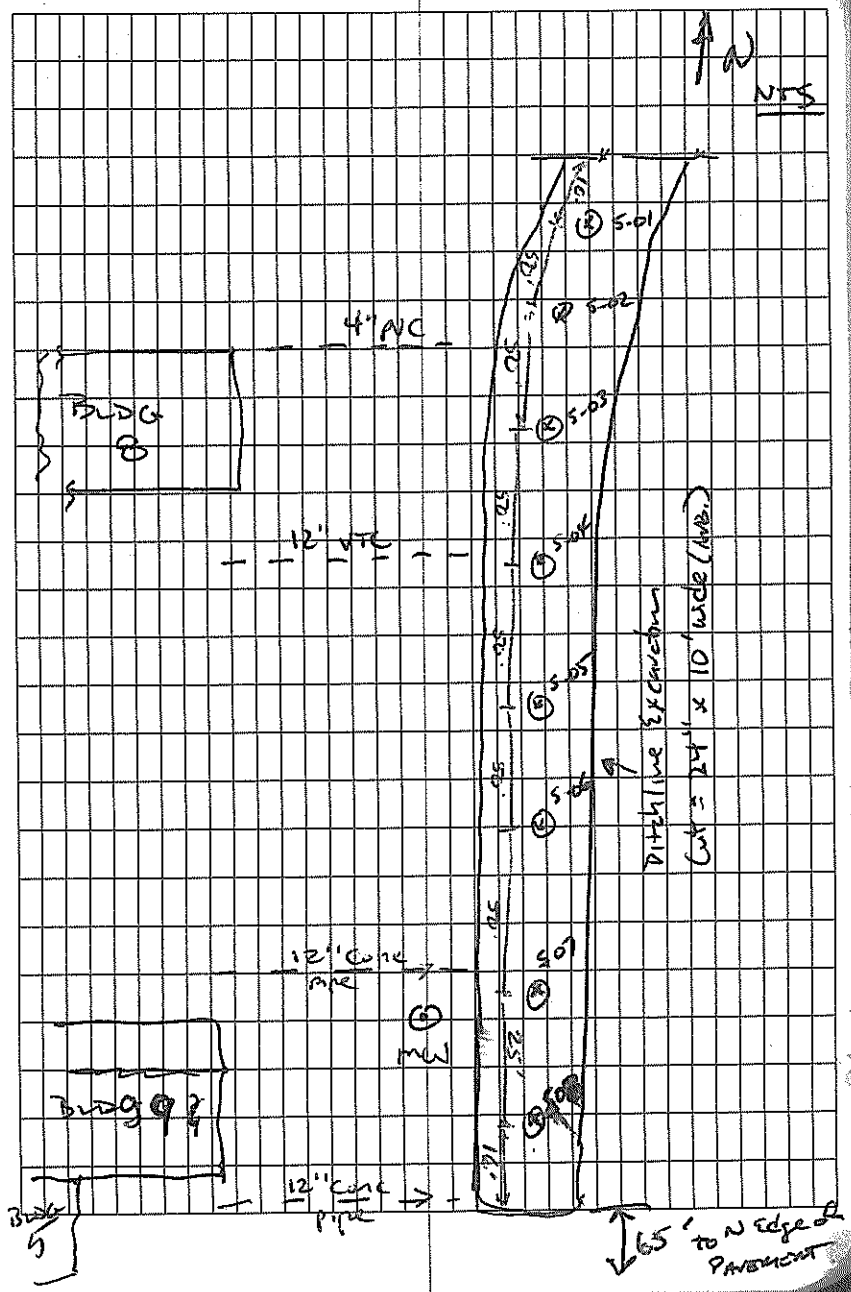
1105 SS setting up to sample in AOC3B ditch..

Focus excavated remaining seam material @ SWMU 1+2 area and placed in one of 4 delivered roll offs. Then load balance from stockpiled materials.

12-1230 Focus lunch break

1400 Focus finished removal of visible waste from SWMU 1+2 area. All stockpiled or loaded into roll offs.

Started to move previously excavated overburden (60 yds) back into excavation and push around with dozer.: Goal is to place all the available backfill in excavation up to ≈24" BGS with dozer and track it in.



2-28-08 SAMPLE LOG

S-19190-022808-SS-01 1205 30.5 mg/kg
TOTAL LEAD
NOC 3 ditch - North end - 10's of S.1 thru S.
3pt Composite Brown sandy clay, trace gravel

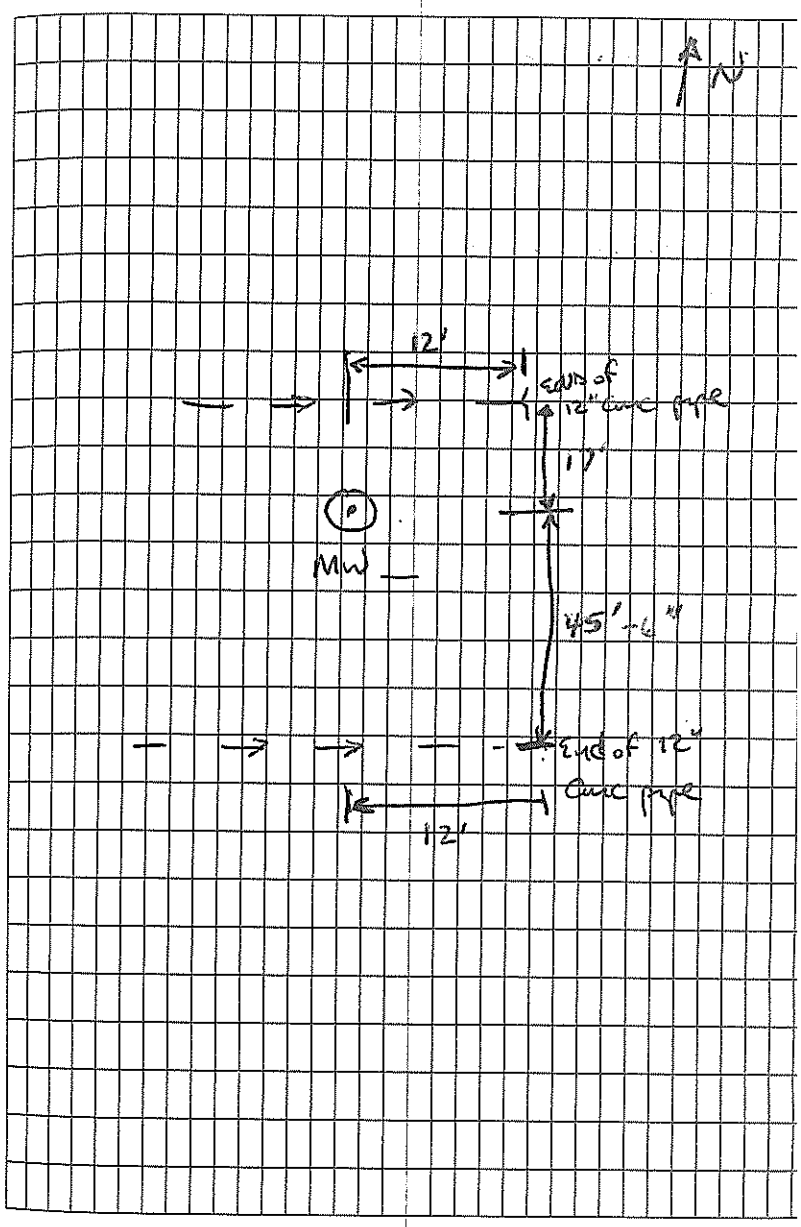
S-19190-022808-SS-02 1205 31.9 mg/kg
TOTAL LEAD Brown clayey sand w/ gravel.
50's of S-01 3pt composite

S19190-022808-SS-03 1210 109 mg/kg
TOT LEAD Brown sand with gravel and clay traces
50's of S-02
3pt composite

S19190-022808-SS-04 1215 287 mg/kg
TOT LEAD Brown clay with sand + gravel traces.
50's of S-03
3pt composite

S19190-022808-SS-05 1220 164 mg/kg
TOT LEAD. Brown clay with traces of gravel + sand.
50's of S-04 3pt composite

S19190-022808-SS-06 1225 68.5 mg/kg
TOT LEAD 3pt Composite
50's of S-05 Brown clay



S17190-022808-SS-07 1230 174 mg/kg
TOT LEAD Brown clay
50' S of S-06 3pt Composite

S17190-022808-SS-083 1235 16.7 mg/kg
TOT LEAD Brown w/ gray clay and [illegible]
25' S of S 07 3pt Composite

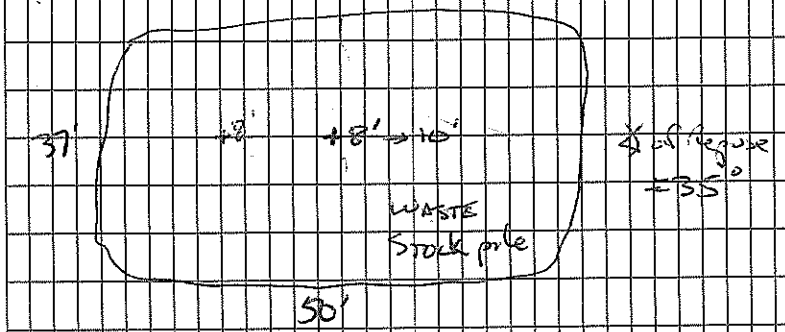
~~[illegible]~~
~~white~~
~~substance~~
white powdery
substance

CRH COC # 3584

Fed Exp Airbill # 8638 3986 2053

Shipped to Columbia Analytical
Services
1317 S. 13th Ave
Kelso, Washington 98626
360 577 7222

1430 - SS checks roll off inventory
- we have 16 rolloffs (all filled)
and approximately ~~[illegible]~~ 1 in stockpile
of waste material.
400 - 450 cy



1500: Pows finished moving stockpiled
overburden into excavation and
spreading with D4 and C320
Then using 320 excavator, track
in backfill which is ~~[illegible]~~ fill
approx 2-3' BGS

Cover stockpiled waste material
with poly.

1430 Last load for the day

wrapup site till tuesday

1500 Focus off site

Note. - On 2/28/08,
Focus moved one pile of
Scrap material near SVMW 1
to the west to clear for
SVE system per Steve Dunn.

* HES sampled: 2 composite samples
from stockpiled materials
1 - composite from Rolloff RO.118
1 - composite from Rolloff # 7654

3-5-08

Sunny 20°F A
overcast 36°F A

overnight snow storm @ site left 4-6"
of snow on top of roads for past 2 da

0730 Focus on site. 1-operator 1 laborer 1 foreman
(Cat D6) Dozer pushing off snow on roads
and getting set up for backfill
when trucks arrive.

10 Received analytical data for
soil samples collected on 2-28-08
and all samples meet the
industrial closure level (400 mg/k
for lead. The ditch is ready for
backfill once snow is cleared

8930 Tool Box Safety Mtg

Back to pushing off snow
on haul roads. Also a roller
was mobilized over the last day
or so. and loader demobilized
on Monday.

1020 S DAVIS informed Focus that we would need loader again to load roll offs. HES to mobilize additional roll offs to handle stockpiled soils.

- loader to arrive tomorrow. Rolloffs to arrive starting ~~tomorrow~~

SJ Laid in grade stakes along east side of the ACCS B ditch at locations where samples were collected on 2-28. Approx
* 10' o/s west from stake to the actual sample location. Stakes are for future surveying.

(CAT CS533E) Roller is compacting gravel on roll off staging area and access roads

1100 Roller compacting backfill in SWMU 1+2 excavation. Material is high in moisture content. Material is "pumping".

* Focus rolled up + put away orange snow fencing as the excavation will be backfilled today.

1200 Lunch break.

PM finished rolling haul roads.
Attempted plugging pipes in ACCS B but under water. Will pump out tomorrow and plug with ~~cm~~ ~~cement~~ cement.

1500 No trucks today. Focus off site.

3-6-08 (3)

overcast 32°F am
Sunny 35°F pm

0800 focus on site (1-supervisor + laborer)
Tool Box / Safety meeting

Set up small pump to pump water from AOC 33 ditch (snow melt + rain) so that the 12" pipes can be plugged.

0815 Roll off containers from ~~HES~~ EQ arriving (10 are scheduled to arrive today) (K-Corr)
- CAT 924G loader mobilized

0945 Backfill soil starts arriving from Fox Hauling

note: on dumping, the trucks are getting stuck in the mud by the excavation and require dozer to assist.

1030 Cat 924 loader is loading the 4 roll offs with material from SWMU Stockpile.

Continued to spread common fill all day.
Ordered 1 load of 53 stone to help the access road. (trucks were sinking and getting stuck.)

CRA crew on site sampling from roll offs for disposal characterization all day.

1330 - ~~the~~ focus took ~~short~~ short break for drinks, waiting for trucks.

By days end, SWMU 1+2 completely backfilled (17 loads of imported fill today).

Cleaned up + dressed up access roads with dozer + roller.

focus off site 1620 hrs.

3-7-08 overcast 30°F AM
32°F PM.
(SS)

Ref 19190
Field Notes
3-7-08 (SS)

0700 Focus on Site
Continue to remove water from ditch area in preparation for backfill.
Roller compacting access roads and smoothing.
5 roll offs arrived last night from K-Con. but still need to be positioned for loading. Waiting for truckers to return this AM with additional roll off boxes

0905 Fox Hauling started arriving with backfill soil for the AOC 3B ditch. all day.

Focus plugged 2-12" Cane pipes in AOC 3B ditch with cement mix.

1530 - Still waiting for K-Con roll offs, None delivered today so far.

1540 - 17 loads of backfill delivered today and placed in AOC 3B ditch. Backfill not complete. Need approximately 2-3 loads to finish. backfilling (Monday AM)
ordering 3 loads for Monday.

1545 3 K Con trucks arrive with 4 roll offs. Started to drop them by the main plant. SS stops them and directs them to stage over by SWMU 1+2 area. After discussions with drivers and Keith (despatcher) of K Con. on phone, drivers are moving the boxes to SWMU area.

1730 Focus / CRA off Site. K-Con off Site.