ecology and environment, inc.
International Specialists in the Environment

Cloverleaf Building 3, 6405 Metcalf
Overland Park, Kansas 66202
Tel: (913) 432-9961, Fax: (913) 432-0670

148675
HOPKINS R.V.
IAD022096028
LS
8/27/97
07X5

MEMORANDUM

TO: Paul Doherty, EPA/START PO

FROM: Rick Claytor, E & E/STM

THRU: Hieu Q. Vu, P.E., CHMM, E & E/START PM

DATE: August 25, 1997

SUBJECT: Site Assessment: R. V. Hopkins, Inc., Davenport, Iowa

TDD: S07-9704-001
PAN: 0494RVSFXX
SSID: 07X5
CERCLIS ID No: IAD022096028
EPA OSC: Jim Kudlinski

S00137344
SUPERFUND RECORDS

INTRODUCTION

The Ecology and Environment, Inc. (E & E), Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Emergency Response and Removal (ER&R) program, under Technical Direction Document (TDD) S07-9704-001, to prepare and implement a Quality Assurance Project Plan (QAPP) for compiling a drum inventory and drum sampling at R. V. Hopkins, Inc., an active drum-recycling facility in Davenport, Iowa. Specifically, START was tasked to prepare a site-specific site safety plan (SSP), provide site documentation, collect samples from selected drums, manage and submit all samples that were collected for laboratory analysis. The EPA on-scene coordinator (OSC) for the project was Jim Kudlinski. START member (STM) Rick Claytor was assigned as the project manager.

recycled paper

BACKGROUND, SITE DESCRIPTION, AND SITE HISTORY

The R. V. Hopkins, Inc., site is located at 743 Schmidt Road in Davenport, Iowa (see Attachment 1: Site Location Map). The facility is currently in operation, reconditioning and selling steel drums. The property covers approximately 7.7 acres and is located in a commercial/industrial area in the southwestern part of the city. The northern two-thirds of the property is situated atop an abandoned limestone quarry that has been filled with demolition debris and other fill material.

In June 1984 the former E & E Field Investigation Team (FIT) conducted a site investigation under TDD R-07-8402-13A to document the extent of site-generated wastes and to evaluate the potential for those wastes to migrate off site via ground water, surface water, soil and/or air routes. The final report for the R. V. Hopkins, Inc., site investigation which was prepared by Region 7 REM/FIT on February 13, 1985, concluded that a wide variety of inorganic and organic pollutants were in surface soils on the property and also in off-site soils at downgradent locations. The on-site surface soil samples contained lead concentrations ranging from 230 to 20,000 parts per million (ppm). Concentrations as high as 8.4 ppm were reported for phenol and Endrin. Contaminants were also identified in ground water and sediments from monitoring wells that were installed on the property.

On November 30 and 31, 1993, the former E & E Technical Assistance Team (TAT) systematically inspected the facility, photographing and documenting leaking, bulging, corroded and/or precariously stacked drums inside the facility. At that time 3,681 drums were present in the warehouse, 27 of which were identified as leaking and 12 that had observable holes but which were not leaking. Four rows of stacked drums were leaning due to broken pallets or crushed drums.

On January 3, 1994, EPA issued a Unilateral Administrative Order (UAO) to R. V. Hopkins, Inc. Included in the UAO was a requirement that the company properly dispose of hazardous wastes that had accumulated in a warehouse on the south side of the property. Those wastes were subsequently transported off site for disposal by the end of June 1994.

On October 8, 1996, at the request of the EPA Region 7 Waste Management Division (WSTM), a Resource Conservation and Recovery Act (RCRA) Compliance Evaluation Inspection (CEI) was performed by EPA personnel at R. V. Hopkins, Inc. At that time, six hundred seventy-five 55-gallon metal drums potentially containing characteristic hazardous waste were identified on the property. Three hundred thirty-seven of those drums contained material described as burner ash. Those drums were staged outside, near the north side of the warehouse. Three hundred thirty-eight 55-gallon metal drums of bag house dust were

also being stored outside, north of the bag house, which is located on the west side of the manufacturing building. As a result of that inspection, 16 Notices of Violation (NOV) were issued. The violations included: illegal storage of hazardous waste, per Section 3005 of RCRA; storage of hazardous waste for over 1 year, per 40 CFR 268.50; leaking containers of hazardous waste, per 40 CFR 265.173(b); and unlabeled and undated containers of hazardous waste, per 40 CFR 262.34(a) (2) & 262.34(a) (1).

START was tasked to prepare a QAPP (see Attachment 3: Quality Assurance Project Plan), for the follow up inventory and sampling of the drums on the property that were labeled as, or staged with, drums containing waste. Representative drum samples would be collected to determine whether any of the material stored at R. V. Hopkins, Inc., was RCRA hazardous waste and, if so, to determine the volume and type of the wastes currently being held at the facility.

SITE ACTIVITIES

May 6, 1997

START members (STMs) Claytor, Joe Chandler, Andrea Bond, Megan Fedders, Jeff Fletcher and Jeff Gadt met OSCs Kudlinski and Scott Hayes at the site and prepared to inventory the drums containing waste and to collect representative samples. The wastes at the facility had been identified by the operator as either "burner ash" or "bag house dust". All were ring-top 55-gallon metal drums. Some of the drummed wastes had been moved from the locations that had been reported by the RCRA inspector in October 1996, with the current locations of the wastes being identified on the site sketch (see Attachment 2: Site Sketch). The burner ash drums that were located north of the manufacturing building had been moved to the northeastern part of the property by R. V. Hopkins, Inc., employees. These drums were staged, four to a pallet, in five rows so that an individual could walk between the rows. The 629 drums were numbered by STMs, from A001 through A630, (number A509, inadvertently was not used). The bag house dust drums were not inventoried or sampled until the following day.

Because more drums were present at the site than had been anticipated, OSC Kudlinski decided that not all of the drums would be opened (as was stated in the QAPP). Kudlinski determined that one-fourth of the burner ash drums would be opened, and that half of the opened drums would be sampled. Each drum was numbered, on the top and the side, with a weather-proof marker. One drum from each pallet was randomly selected, and its ring was released, using an electric impact wrench. Most of the drums had bolts securing the tops, although some had clasp mechanisms securing the lids. The drums that were selected for assessment were monitored for volatile organic concentrations in the headspace, using a

calibrated Foxboro Model 128 flame ionization organic vapor analyzer (OVA). The drum number, any observed label information, OVA reading, physical description of the material in the drum and the approximate volume were recorded for each drum (see Attachment 4: Drum Summary Forms). Some of the drums had been labeled as hazardous waste; D006 and D008 hazardous waste numbers for cadmium and lead were listed when labels were present.

Eighty samples were collected from the burner ash drums. The drums that contained solids were sampled directly into 8-ounce glass jars with new stainless-steel spoons. Liquid samples were collected with dedicated thieving rods. Sixty-seven of the 80 samples were analyzed for total metals and Toxicity Characteristic Leaching Procedure (TCLP) metals. Eleven other samples were analyzed for total metals and TCLP metals, as well as volatile organic compounds (VOCs), TCLP VOCs, pH, and flash point. The two remaining samples were submitted for analysis of VOCs, TCLP VOCs, flash point and pH.

Two 8-ounce glass jars of material were submitted for the metals analysis. The pH and flash point analyses required an additional 8-ounce glass jar. The samples that were submitted for VOC analysis were placed into four 40-milliliter containers. A field sheet was completed for each sample, and corresponding tags were placed on the sample containers. If a hazardous waste label was on the drum, the label information was recorded on the field sheet (see Attachment 7: Field Sheets and Chain-of-Custody Forms). Each sampled drum and the samples that were collected from it were photographed (see Attachment 5: Photographic Record). The drum samples (APXX5100 through APXX5179) were placed in a cooler with ice and held in Claytor's possession until all of the samples were delivered by Claytor to the Region 7 EPA Laboratory in Kansas City, Kansas, for analysis.

May 7, 1997

Site activities continued as the drums identified as bag house dust were inventoried, numbered and representative samples were collected. The "dust" drums were staged at two locations on the property (see Site Sketch). The drums were largely unlabeled. Some labels were observed, but none of the drums was labeled as hazardous waste. One group of "dust" drums was located in the northwest portion of the property. Those 184 drums were numbered from D001 to D184. The second group of "dust" drums was staged to the north of the bag house; those 156 drums were numbered from B001 to B156.

From the D group, in the northwest portion of the property, 45 of the 184 drums were opened and screened using the same criteria and procedures that had been applied the previous day. The drums were all found to contain a brown to gray material that appeared to be bag house dust, as had been indicated by

the operator. Nine drums were sampled and analyzed for total metals and TCLP metals. One of the drum samples was also analyzed for total VOCs and TCLP VOCs. The samples, APXX5182 through APXX5190, were labeled and then secured in a cooler with ice.

Group B located near the bag house contained 156 drums, which were numbered B001 through B156. Thirty-nine drums were opened and screened in the same manner as the others on site. From the 39 opened drums, samples were collected from 7 drums, all of the samples (APXX5191 through APXX5197) were analyzed for total metals and TCLP metals and one sample was also analyzed for total and TCLP VOCs. The samples were labeled and placed into an iced cooler. Field sheets were completed for all samples collected (see Attachment 7: Field Sheets and Chain-of-Custody Forms).

While on the site, it was discovered that four semi trailers parked on the property contained drums bearing hazardous waste labels with D006 and D008 designations. Hazardous waste labels were visible on some of the drums in each of the trailers. Three trailers with drums were located in the northwestern part of the property; the fourth was located in the southeastern part of the property. The site sketch identifies the locations. The OSC determined that drum opening and sample collection would not be feasible for these drums because they were inaccessible (the drums were tightly packed, and were double stacked in three of the trailers). The OSC counted the drums in each of the trailers, and a photograph was taken of each of the trailers from outside. Trailer #1 contained 81 drums; trailer #2, 77 drums; trailer #3, 98 drums; and trailer #4, 88 drums.

Two waste piles located in the northwestern part of the property were also sampled. This material, which had been placed on plastic sheeting, was identified by the facility manager as incinerator waste. One of the piles was located west of trailer #2 and was labeled as waste pile #1. It was approximately 20 feet long, 10 feet wide and 2.5 feet deep. The waste material was composed of brick and rock intermingled with dust. A multi-aliquot sample (APXX5180) was collected from waste pile #1 at depth of 0 to 2 inches with a new stainless-steel spoon. The sample was homogenized in a new aluminum pie pan before it was placed into two 8-ounce glass jars. The same method was used to collect sample #APXX5181 from the second waste pile (waste pile #2), located north of trailer #3. This pile, composed of dust and stones, was approximately 10 feet by 6 feet and was 3 feet high. Both of the waste pile samples were analyzed for total metals and TCLP metals.

FOLLOW UP ACTIVITIES.

Field sheets and chain-of custody forms that were generated from the sampling activities were provided with the samples when they were delivered to the EPA Laboratory in Kansas City, Kansas, on May 8, 1997. Ninety-eight samples, from 96 drums and two waste piles (soils), were analyzed by the laboratory. Twenty-five of the drum samples and both of the soils were identified as RCRA characteristic waste. The results for each sample are provided in Attachment 6: Analytical Data. A summary of those samples determined to exhibit properties of RCRA characteristic waste is provided in the following table.

Sample #	Drum #	Contaminant	Analysis	Concentration*	Regular Level*
APXX5100	A006	Lead	TCLP	54.3	5.0
APXX5101	A013	Lead	TCLP	19.2	5.0
APXX5104	A033	Lead	TCLP	6.02	5.0
APXX5108	A050	Methyl Ethyl Ketone	TCLP	270	200
APXX5107	A045	Lead	TCLP	7.41	5.0
APXX5110	A071	Lead	TCLP	16.5	5.0
APXX5120	A186	Lead	TCLP	44.2	5.0
APXX5124	A173	Lead	TCLP	14.5	5.0
APXX5126	A165	Ignitability	Flash point	45.0°C	<60°C
APXX5130	A143	Lead	TCLP	7.21	5.0
APXX5137	A385	Lead	TCLP	75.5	5.0
APXX5142	A364	Lead	TCLP	11.9	5.0
APXX5146	A345	Lead	TCLP	126.0	5.0
APXX5149	A462	Lead	TCLP	13.1	5.0
APXX5155	A488	Lead	TCLP	33.3	5.0
APXX5157	A501	Lead	TCLP	39.9	5.0
APXX5159	A508	Lead	TCLP	6.69	5.0
APXX5161	A518	Trichloroethylene	TCLP	2.5	0.5
APXX5168	A564	Lead	TCLP	11.5	5.0
APXX5169	A623	Lead	TCLP	11.1	5.0
APXX5170	A604	Ignitability	Flash point	50°C	<60°C
APXX5180	WP1**	Lead	TCLP	59.7	5.0
APXX5181	WP2**	Lead	TCLP	11.3	5.0
APXX5185	D099	Lead and Chromium	TCLP	7.79 & 7.44	5.0
APXX5190	D071	Lead and Chromium	TCLP	5.0 & 10.2	5.0
APXX5191	D083	Chromium	TCLP	8.62	5.0
APXX5188	D165	Chromium	TCLP	10.9	5.0

KEY: * mg/L = Milligrams per liter.

** = Waste Pile Samples.

°C = Degrees Celsius.

CONCLUSIONS AND RECOMMENDATIONS

START assisted EPA with site documentation and collection of representative samples from staged drums containing site-generated waste. Six hundred twenty-nine drums identified as burner ash were numbered. From these 629 drums, 80 were selected and sampled. From the 340 drums identified as bag house dust, 16 drums were selected and sampled. Sample results indicated that 25 of the drums that were sampled contain RCRA characteristic waste. Consequently, it is evident that hazardous waste was being held at the R. V. Hopkins, Inc., facility at the time of the assessment. The exact amount of waste cannot be determined, because not all of the staged drums, and none of the 344 drums located in the semi trailers, were characterized.

Preremedial Considerations

On July 7, 1982 a site inspection (SI) was conducted and the SI report was completed. The R. V. Hopkins, Inc., site has had contaminant pathways (i.e, ground water, surface water, soil exposure and air) examined during the fore mentioned past investigations.

Removal Considerations

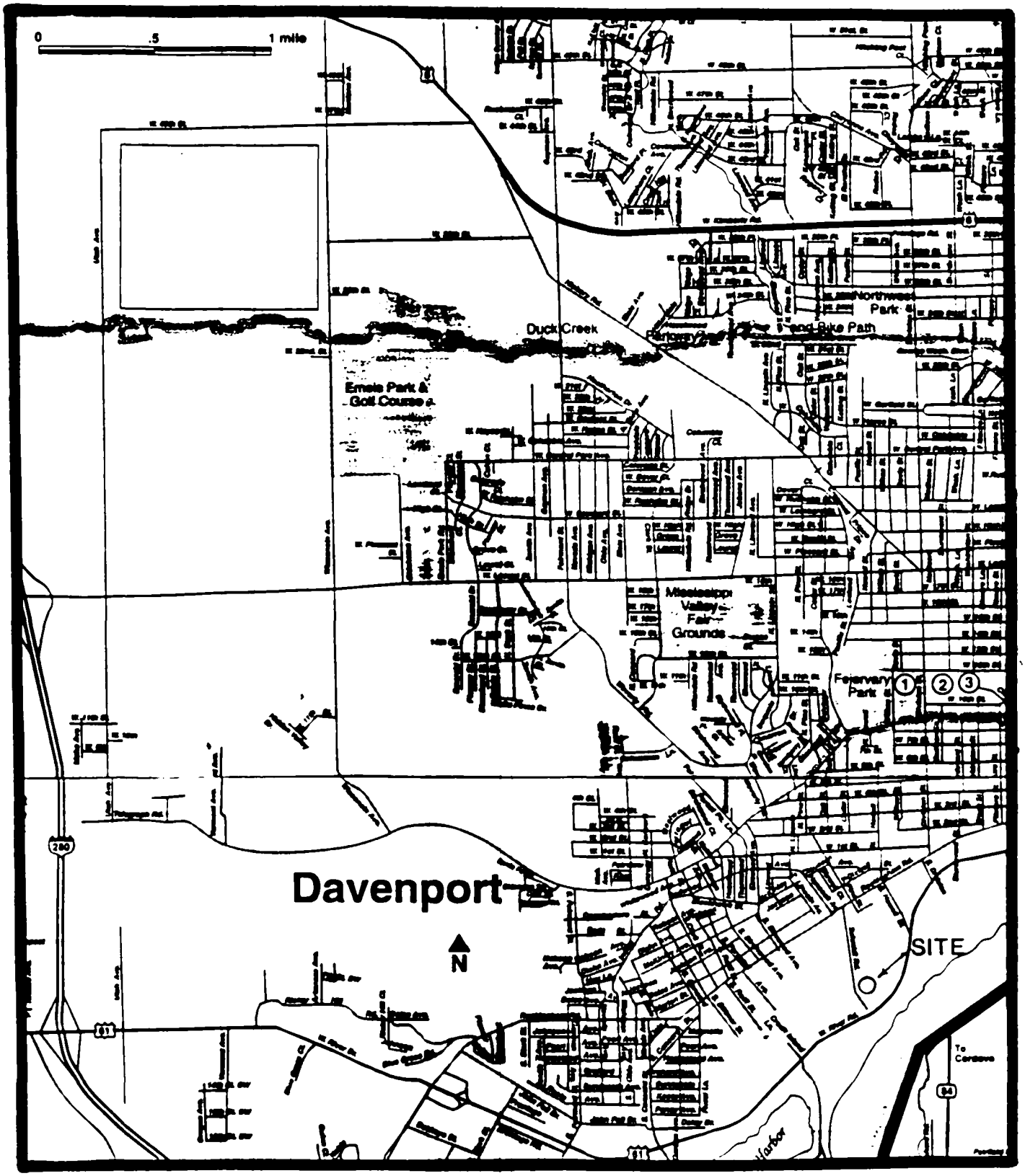
The presence of RCRA hazardous waste has been documented in drum contents and waste piles on the property, and past investigations have identified metals and organic contaminants in the soil and ground water at the site. The site meets the removal criteria stated in the NCP 40 CFR 300.415 (b) (2). See the Removal Site Evaluation form attached to this report.

ATTACHMENTS

1. Site Location Map
2. Site Sketch
3. Quality Assurance Project Plan
4. Drum Summary Forms
5. Photographic Record
6. Analytical Data
7. Field Sheets and Chain-of-Custody Forms
8. Removal Site Evaluation Form

ATTACHMENT 1: SITE LOCATION MAP

SITE LOCATION MAP

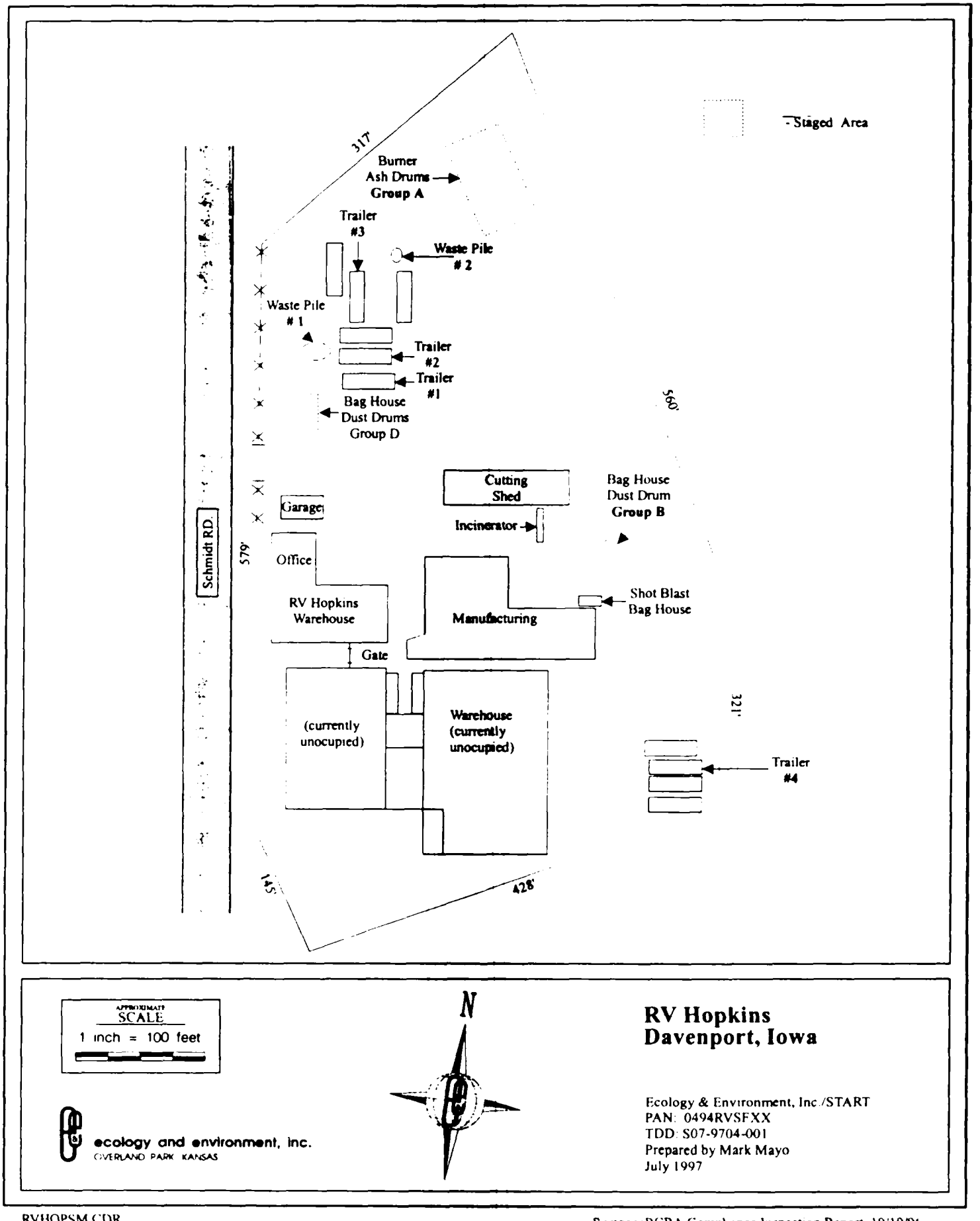


R.V. Hopkins, Inc.
743 Schmidt Road
Davenport, Iowa

PAN# 0494RVSFXX

TDD# S07-9704-001

ATTACHMENT 2: SITE SKETCH



RVHOPSM.CDR
RV HOPKINS
7-97

Source: RCRA Compliance Inspection Report, 10/10/96

Figure 2: Site Sketch

ATTACHMENT 3: QUALITY ASSURANCE PROJECT PLAN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
726 MINNESOTA AVENUE
KANSAS CITY, KANSAS 66101

April 11, 1997

MEMORANDUM

SUBJECT: Quality Assurance Project Plan, R.V. Hopkins Drum Site, Davenport, Iowa

FROM: Jim Kudlinski, OSC
ERRP/SUPR

TO: Ernie Arnold, Quality Assurance
ENSV

Attached is the draft final Quality Assurance Project Plan (QAPP) for the R.V. Hopkins Drum Site, Davenport, Iowa. Could you or a member of your staff review the plan for consistency with EPA's quality assurance program for QAPP's.

Field work is scheduled to commence during the week of May 5, 1997. I have attached the Analytical Services Request (ASR) form to the QAPP. Field Sheets and Tags are requested for this activity.

If you, or any member of your staff has questions, comments, etc., regarding this activity, please contact me at X7909.

Attachment

RECYCLE

QUALITY ASSURANCE PROJECT PLAN

FOR

DRUM SAMPLING AT THE R. V. HOPKINS SITE

DAVENPORT, IOWA

Prepared For

U.S. EPA Region VII Superfund Division

Prepared By:

Ecology and Environment, Inc.
Superfund Technical Assessment and Response Team

April 9, 1997

APPROVED BY

E & E/START Project Manager	4/11/97 Date
EPA Region VII Site Manager	4/11/97 Date
EPA Region VII Quality Assurance Manager	Date

TABLE OF CONTENTS

Section		Page
1.0	PROJECT MANAGEMENT	1
1.1	Distribution List	1
1.2	Project/Task Organization	1
1.3	Problem Definition/Background	1
1.4	Project/Task Description	2
1.5	Quality Objectives and Criteria for Measurement Data	3
1.6	Special Training Requirements/Certification	3
1.7	Documentation and Records	3
2.0	MEASUREMENT/DATA ACQUISITION	4
2.1	Sampling Process Design	4
2.2	Sampling Methods Requirements	4
2.3	Sample Handling and Custody Requirements	4
2.4	Analytical Methods Requirements	4
2.5	Quality Control Requirements	5
2.6	Instrument/Equipment Testing, Inspection, and Maintenance Requirements	5
2.7	Instrument Calibration and Frequency	6
2.8	Inspection/Acceptance Requirements for Supplies and Consumables	6
2.9	Data Acquisition Requirements	6
2.10	Data Management	6
3.0	ASSESSMENT/OVERSIGHT	6
3.1	Assessments and Response Actions	6
3.2	Reports to Management	7
4.0	DATA VALIDATION AND USABILITY	7
4.1	Data Review, Validation, and Verification Requirements	7
4.2	Validation and Verification Methods	7
4.3	Reconciliation with User Requirements	7

ATTACHMENTS

A: Site Map
B: Analytical Services Request Form

1.0 PROJECT MANAGEMENT

1.1 Distribution List

EPA - Region VII	Jim Kudlinski, On-Scene Coordinator Paul Doherty, EPA/START Project Officer Ernie Arnold, QA Manager Andrea Jirka, Lab Director
Ecology and Environment, Inc./START	Rick Claytor, Project Manager Joe Chandler, QA Manager Hieu Q. Vu, E & E/START PM

1.2 Project/Task Organization

Jim Kudlinski, an on-scene coordinator (OSC) for the Region VII U.S. Environmental Protection Agency (EPA), will serve as the site manager for the activities described in this Quality Assurance Project Plan (QAPP) to be conducted at the R. V. Hopkins site in Davenport, Iowa. He will be responsible for overall coordination of site activities, ensuring implementation of the QAPP, and providing periodic updates to EPA regional management concerning the status of the project, as needed. Ernie Arnold, Region VII EPA Quality Assurance (QA) Manager, will be responsible for review and approval of this QAPP. Andrea Jirka, EPA Laboratory Director, will coordinate/schedule laboratory analysis, data review, and validation of results.

Six members from the Ecology and Environment, Inc. (E & E), Superfund Technical Assessment and Response Team (START) will compose the sampling team. Rick Claytor will serve as the project manager, with an assistant to be selected at a future date. The team will be responsible for acquisition and calibration of sampling equipment, sample collection, field documentation, and submittal of the samples to the Region VII EPA Laboratory in Kansas City, Kansas, for analysis. Joe Chandler, E & E QA Manager, will provide technical assistance, as needed, to ensure that necessary QA issues are adequately addressed.

1.3 Problem Definition/Background

The R. V. Hopkins site is located at 743 Schmidt Road, just north of West River Road in the southwest portion of Davenport. The site occupies approximately 7.7 acres and is situated in a commercial/industrial area. The structures on the site include two office/warehouse buildings, a manufacturing building, a warehouse, a small garage, a drum cutting shed and an incinerator. The buildings are on the southern part of the site, with the northern part of the property being open. (Attachment A: Site Map).

The R. V. Hopkins facility is currently in operation, reconditioning and selling used steel drums. The plant employs about 32 persons. Approximately 10,000 drums per month are processed by the facility. The interiors of the drums are cleaned by one of two processes: a dry

process or a wet process. The dry process is used for open top drums and is accomplished by inverting the drums over a burner. This generates a burner ash, which is managed as toxic characteristic hazardous waste (D006 and D008).

The wet process involves immersing the closed-top drums in an alkaline bath to clean the interiors of the drums. The process takes place in one tank, and the sludge that is generated is removed from the tank every 2 to 3 weeks and is reused after it is allowed to settle out in a 55-gallon drum. The hardened caustic sludge is then returned to the tank, and water is added to allow the process to continue. The exterior of each drum is stripped of paint in a shot blast device located within the manufacturing building. This process generates dust that is collected in a bag house and then placed into drums.

On November 30 & 31, 1993, the E & E Technical Assistance Team (TAT) conducted a systematic inspection of the facility, photographing and documenting leaking, bulging, corroded and/or leaning drums inside the facility. At that time 3,681 drums were present in the warehouse, 27 of which were identified as leaking and 12 with observable holes but which were not leaking. Four rows of drums were leaning due to broken pallets or crushed drums.

On January 3, 1994, EPA issued a Unilateral Administrative Order (UAO) to R. V. Hopkins. Included in the UAO was a requirement that Hopkins properly dispose of hazardous wastes that had accumulated in a warehouse on the south side of the property. Those wastes were transported off site for disposal by June 1994.

On October 8, 1996, at the request of the EPA Region VII Waste Management Division (WSTM), a Resource Conservation and Recovery Act (RCRA) Compliance Evaluation Inspection (CEI) was performed at R. V. Hopkins. At that time, six hundred seventy-five 55-gallon drums of hazardous waste were identified on the property. Three hundred thirty-seven 55-gallon drums of burner ash were stored at the facility, they were staged outside, near the north side of the warehouse. Three hundred thirty-eight 55-gallon drums of bag house dust were stored outside, north of the bag house, which is located on the west side of the manufacturing building.

As a result of that inspection, 16 Notices of Violation (NOV) were issued. The violations included: illegal storage of hazardous waste, per Section 3005 of RCRA; storage of hazardous waste for over 1 year, per 40 CFR 268.50; leaking containers of hazardous waste, per 40 CFR 265.173(b), and unlabeled and undated containers of hazardous waste, per 40 CFR 262.34(a) (2) & 262.34(a) (1).

1.4 Project/Task Description

START will inventory, label, and open all of the drums that are determined to potentially contain RCRA hazardous waste. Approximately 10% of the drums (about 100) will be sampled; those drums will be selected on the basis of representativeness. The solid drum samples will be analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals, total concentrations of the TCLP metals, and pH. If the samples collected contain sludges or liquids, they will also be

analyzed for TCLP volatile organic compounds (VOCs) and flash point. The information will be used to determine whether the stored material is hazardous and to estimate a waste volume.

Field activities are scheduled to begin May 5, 1997, and are expected to take about 5 days to complete. Samples are anticipated to be submitted to the Region VII EPA Laboratory in Kansas City, Kansas, for analysis on May 9, 1997. Procurement of supplies and equipment that are necessary to complete the sampling activities will be coordinated by START personnel.

1.5 Quality Objectives and Criteria for Measurement Data

The data quality objective is to provide valid data of known and documented quality to:

1) Determine if any material stored at R. V. Hopkins is RCRA hazardous waste, and

2) Determine the volume and type of hazardous materials that are currently held at the facility.

Goals for analytical precision and accuracy are described in the analytical SOPs referenced in Section 2.4 of this QAPP. Because the determination of variation within the drum samples will not be critical to achieving the goals of this project, no duplicate samples will be collected to evaluate field precision. Representativeness will be addressed by collecting all samples as described in this QAPP. Comparability will be addressed by collecting, analyzing, and reporting all data as described in this QAPP. A completeness goal of 100% will be applied to this project.

1.6 Special Training Requirements/Certification

The only formal training required of site personnel will be the completion of a basic 40-hour health and safety (Hazardous Waste Operations and Emergency Response [HAZWOPER]) training course and annual refreshers. Familiarization with drum sampling equipment/procedures will also be necessary for the START sampling team.

1.7 Documentation and Records

START personnel will maintain a field logbook to record all pertinent activities associated with the sampling event. Appropriate documentation pertaining to photographs taken by START will also be recorded in the field logbook. Sample documentation will follow Region VII EPA/ENSV SOP #2130.3B: Identification, Documentation and Tracking of Samples. Information pertaining to drum samples (i.e., sampling dates/times, drum numbers, etc.) collected during this event will be recorded on LAST field sheets provided by Region VII EPA personnel (generated by the Labor and Sample Tracking System [LAST]). Labels generated by the LAST system will be affixed to sample containers, identifying sample numbers, dates collected, and requested analyses.

Analytical information will be handled according to Region VII EPA/ENSV SOPs #2410.1B: LABO Analytical Data Management Procedures and #2410.10A: Analytical Data Packages.

2.0 MEASUREMENT/DATA ACQUISITION

2.1 Sampling Process Design

The physical appearance and quantity of each drum's contents will be noted in a field logbook. After all drums have been opened and inspected, approximately 10% will be selected for sampling to represent the most common waste streams (see Section 2.4 for analytical parameters). A headspace reading for VOCs will be taken from the air space in the top of each drum when it is opened, using an organic vapor analyzer (OVA), to determine a relative concentration of VOCs in the drums contents. If the reading exceeds 500 parts per million (ppm), and if the drum's contents are non-solid, a sample will also be collected for TCLP analysis of VOCs, in addition to the other parameters listed in Section 2.4. The physical characteristics of the material within each drum will be recorded on the respective field sheet at the time of sample collection.

Each representative drum sample will be collected with dedicated glass thieving rods or new stainless steel spoons and placed in laboratory-cleaned sample collection jars/vials. In order to prevent cross contamination, a clean pair of disposable gloves and a new sampling device will be used for each sample. If a drum contains multiple phases, each phase will be sampled and submitted as a separate sample.

2.2 Sampling Methods Requirements

Drum sampling will follow the guidelines included in EPA Environmental Response Team (ERT) SOP #2009: "Drum Sampling". It is estimated that 100 drums will be sampled, additional drums that were not present in October 1996 are anticipated. A total of 150 samples could be collected if drums are found to contain more than one phase.

Disposal of investigation-derived wastes and procedures for equipment/personal decontamination will be addressed in a site-specific health and safety plan that will be prepared by START.

2.3 Sample Handling and Custody Requirements

Samples will be collected in accordance with procedures defined in Region VII EPA/ENSV SOP #2130.4B: Sample Container Selection, Preservation and Holding Times. Chain of custody will be maintained for the collected samples, as directed by Region VII EPA/ENSV SOP #2130.2A: Field Chain of Custody for Environmental Samples. All samples will be hand delivered to the Region EPA Laboratory, where they will be accepted according to Region VII EPA/ENSV SOP #2420.1A: Sample Receipt & Log-In.

2.4 Analytical Methods Requirements

The solid drum samples will be analyzed for TCLP metals (excluding mercury), total

concentrations of the TCLP metals (excluding mercury), and pH. Non-solid drum samples will additionally be analyzed for TCLP VOCs and flash point. The samples will be analyzed according to the following SOPs:

- TCLP extraction procedure: Region VII EPA/ENSV SOP #3171.1A: Toxicity Characteristic Leaching Procedure (TCLP).

- Drum samples for metals: Region VII EPA SOP #3122.2B: Analysis of Metals by TJA ICAP 61 using an inductively coupled plasma (ICP) spectrometer.

- Volatile organic compounds: Region VII EPA/ENSV SOP #3230.1C: GC/MS Analysis of Volatile Organic Compounds.

- pH: Region VII EPA/ENSV SOP #3135.4A: pH, Soil, or SOP #3135.5A: pH Lab, Water, as determined by the sample matrix.

- Flash point for the non-solid samples: SW-468 Method 1020: Setaflash Closed-Cup Method for Determining Ignitability.

Detection limits that are typically reported by the Region VII EPA Laboratory for those analyses are expected to be adequate for this activity. See Attachment B for a summary of projected samples and requested analyses. The overall implementation of a quality assurance program by the laboratory is addressed in Region VII EPA/ENSV SOPs #1610.1C: Regional Laboratory Quality Control Policy and #1640.1A: Region VII Laboratory Quality Assurance Project Plan.

2.5 Quality Control Requirements

Because dedicated supplies will be used for drum samples (i.e., disposable glass thieving rods and new stainless steel spoons), no rinsate samples will be collected to assess the potential for cross-contamination. Because total precision of sampling and laboratory analysis will not be evaluated for this activity, no field duplicate samples will be collected. Analytical error (precision and accuracy) will be determined by the analysis of laboratory-prepared duplicates and spike samples. Those criteria, along with other laboratory QC elements, will be addressed in accordance with the previously referenced analytical SOPs and Region VII EPA/ENSV SOP #1610.1C.

2.6 Instrument/Equipment Testing, Inspection, and Maintenance Requirements

Testing, inspection, and maintenance of analytical instrumentation will be performed in accordance with the previously referenced analytical SOPs and manufacturers' recommendations.

2.7 Instrument Calibration and Frequency

The only field instrument that will require calibration is a Foxboro Model 128 OVA, which will be calibrated at the site according to the manufacturer's specifications immediately prior to drum opening. Calibration of laboratory equipment will be performed as described in the previously referenced analytical SOPs and manufacturers' recommendations.

2.8 Inspection/Acceptance Requirements for Supplies and Consumables

No special requirements are needed.

2.9 Data Acquisition Requirements

No data from other sources will be used.

2.10 Data Management

All laboratory data acquired by the Region VII EPA Laboratory will be managed in accordance with Region VII EPA/ENSV SOPs #2120.2A: Document Control and #2410.1B.

3.0 ASSESSMENT/OVERSIGHT

3.1 Assessments and Response Actions

No field audits of sampling procedures are scheduled for this sampling event.

Assessments and response actions pertaining to analytical phases of the project are addressed in Region VII EPA/ENSV SOPs #1610.1C and #1640.1A and in the previously referenced analytical SOPs. Those documents identify out-of-control conditions, who is responsible for initiating corrective actions, and what corrective steps should be taken.

3.2 Reports to Management

Laboratory results will be reported to the EPA site manager (by lab personnel) in accordance with Region VII EPA/ENSV SOP #2110.1B: Labor and Sample Tracking (LAST) at ENSV. A letter report describing the sampling techniques, locations, problems encountered (with resolutions to those problems), and interpretation of analytical results will be prepared by START and submitted to EPA, following completion of the field activities described herein and receipt of validated laboratory data. A summary report will also be prepared by the EPA site manager to document the status of the site and specify further response actions that are warranted.

4.0 DATA VALIDATION AND USABILITY

4.1 Data Review, Validation, and Verification Requirements

Data review and verification will be performed by a qualified laboratory analyst and the laboratory's section manager, as described in Region VII EPA/ENSV SOPs #1610.1C and #1640.1A. The EPA site manager will be responsible for overall validation and final approval of the data, in accordance with the projected use of the results.

4.2 Validation and Verification Methods

The data will be validated in accordance with Region VII EPA/ENSV SOPs #1610.1C and #1640.1A. QC spot checks will be performed by Region VII EPA Laboratory personnel, following criteria outlined in Region VII EPA/ENSV SOPs #1640.1A and #1610.5A: Quality Control Spot Checks of Regional Laboratory Data Packages.

The EPA site manager will inspect the data to provide a final review and approval before it is entered as valid data into the LAST system. The EPA site manager will review data for laboratory spikes/duplicates and laboratory blanks, to ensure that they are acceptable. The EPA site manager will also compare the sample descriptions with the field sheets for consistency and will ensure that any anomalies in the data are appropriately documented.

4.3 Reconciliation with User Requirements

If data quality indicators do not meet the project's requirements as outlined in this QAPP, the data may be discarded, and re-sampling and/or re-analysis may occur (as determined by the EPA site manager).

ATTACHMENT A: Site Map

ATTACHMENT B: Analytical Services Request Form

ATTACHMENT 4: DRUM SUMMARY FORM

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
[illegible]	NC		burner ash [illegible] recovery [illegible]		APXX5	
[illegible]	NC		top ash from surface 5/2/97			
[illegible]	NC		top ash from surface 5/2/97			
[illegible]	NC		burner ash from surface cleaning 5/2/97			
[illegible]	~~[illegible]~~ gray ash material	F	top ash from surface 5/2/97	500		~~5/6/97~~
[illegible]	[illegible] gray ash	F	[illegible] burn ash [illegible]	500	100	5/6/97
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]	gray chunky chunks of yellow	F	4/8/96 D006, D008	2½	101	5/6/97
[illegible]						
[illegible]						
[illegible]						
[illegible]	~~gray ash + clinker~~	~~F~~		~~>1000~~		~~[illegible]~~
[illegible]	gray ash + clinker	F		>1000	102	5/6/97
[illegible]						
[illegible]						
[illegible]	gray ash + clinker	F		2½		
[illegible]						
[illegible]						
[illegible]						
[illegible]	brown dust	F		4	103	5/6/97
[illegible]		F		1		
[illegible]	ash + clinker					
[illegible]						
[illegible]						
[illegible]	gray ash + clinker	F		[illegible]		

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

	DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
	AC41						
	AC42						
S	AC43	gray ash - wet	F		>1000	104	5/6/97
	AC44	paint waste and ash	F	burner [illegible] 1/6	400	105	5/6/97
	AC45						
	AC46						
	AC47	dark gray ash	F		850		
	AC48						
	AC49	mixed gray ash	F		65		
	AC50	gray burner ash + slag	F		200	106	5/6/97
	AC51		F				
	AC52	burner ash + slag	F	burner ash + slag sec B row 10 drums [illegible]	300		
	AC53						
	AC54						
	AC55	gray ash + slag	F	burner ash + slag row 7 drum 1 of sec B	>1000	107	5/6/97
	AC56						
	AC57	ash + paint waste	F		>1000		
	AC58						
	AC59	gray ash	F	burner sec tank DC08 - DC08	>1000		
S	AC60	oily liquid	F		>1000	108	5/6/97
	AC61						
	AC62						
	AC63						
	AC64						
	AC65						
	AC66						
	AC67						
	AC68						
	AC69						
	AC70	liquid w/ paper filters	1/2		1		

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
[illegible]						
[illegible]	ash + clinker	F		2.5		
[illegible]						
[illegible]						
[illegible]						
5 [illegible]	ash + clinker	F	11/29/96 [illegible] date DC06 + DC09	>1000	178	5/6/97
[illegible]						
[illegible]	ash + clinker	80%	burner ash	1	109	5/6/97
[illegible]						
[illegible]						
[illegible]	ash + clinker	F	burner ash [illegible] 2/10/96 [illegible]	13	110	5/6/97
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
5 [illegible]	[illegible]	F		15	111	5/6/97
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]						
[illegible]	ash + clinker	F		1	112	5/6/97
[illegible]	ash + clinker	F	1/29/96 [illegible] burner [illegible]	50	113	5/6/97
[illegible]						
[illegible]						
[illegible]						
5 [illegible]	ash + liquid [illegible]	F	1/29/96 [illegible] burner ash [illegible]	>1000	114	5/6/97

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A0[illegible]						
A0[illegible]						
A0[illegible]						
A0[illegible]						
A095						
A0[illegible]						
A0[illegible]						
A0[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A1[illegible]						
A104						
A105						
A1[illegible]						
A1[illegible]						
A[illegible]						
A109						
A1[illegible]						
A1[illegible]						
A[illegible]						
A11[illegible]						
A11[illegible]	[illegible] liquid	F		5	115	5/6/97
A[illegible]						
A[illegible]						
A[illegible]						
[illegible]						
A[illegible]						
A[illegible]						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A1[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]	brown sandy material	F		[illegible]	116	5/6/97
A1[illegible]						
A1[illegible]						
A[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]	gray ash + cinder [illegible]	[illegible]		900		
A1[illegible]						
A1[illegible]						
A1[illegible]						
A1[illegible]	gray ash + cinder	[illegible]		300		
A1[illegible]						
A[illegible]	ash, brown	F		405	131	5/6/97
A[illegible]						
S A[illegible]	ash, paint + [illegible]	F	2/19/97 [illegible] burner ash [illegible]	>1000	130	5/6/97
A[illegible]	ash	F		130		
A[illegible]						
A[illegible]						
A[illegible]	ash	F		[illegible]		
A[illegible]	[illegible]	F	burner ash [illegible]	[illegible]	129	5/6/97
A[illegible]						
[illegible]						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A151	ash	F		5		
A152	moldy ash	F	4/4/95 [illegible]	400	128	5/6/97
A153						
A154	ash	F	3/10/95 [illegible] ash [illegible]	0	127	5/6/97
A155						
A156						
A157						
A158						
A159		F		0		
A160	ash		label [illegible]			
A161						
A162	ash	F		0		
A163						
A164						
5 A165	rubbery white	3/4		>1000	126	5/6/97
A166	solid waste filters [illegible]	F		15		
A167						
A168	ash + [illegible]	F	[illegible]	370	125	5/6/97
A169						
A170						
A171						
A172						
A173	ash	F		0	124	5/6/97
A174	ash + clinker + sludge	F		>1000		
A175						
A176						
A177	ash + clinker	F		>1000	123	5/6/97
A178						
A179	ash + clinker	F		100	122	5/6/97
A180						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A15						
A16						
A17						
A18	[illegible]	F		[illegible]	121	5/6/97
A19						
A20	paint sludge	F	11/29/96 [illegible]	>1000	120	5/6/97
A21						
A22						
A23	asn	F	11/29/96 [illegible]	2		
A24						
A25	asn	F		Ø	119	5/6/97
A26						
A27						
A28	asn	F		Ø	118	5/6/97
A29						
A30						
A31	asn	F		Ø		
A32						
A33						
A34						
A35						
A36	asn	F		1		
A37						
A38						
A39	asn	F		Ø	117	5/6/97
A40	asn	1/2				
A41						
A42						
A43						
A44						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A211	ash	F			123	5/6/97
A212	ash and clinker ✓	F		1,50		
A213	ash	F		2		
A214						
A215						
A216						
A217						
A218						
A219	ash	F		10		
A220						
A221						
A222						
A223						
A224						
A225						
A226						
A227						
A228	ash [illegible]	F		110 ~~[illegible]~~		
A229						
A230						
S A231	ash + clinker, [illegible]	F		>100	179	5/6/95
A232						
A233						
A234						
A235						
A236						
A237						
A238						
A239						
A240						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A2[illegible]						
A[illegible]						
A2[illegible]						
A2[illegible]						
A2[illegible]						
A[illegible]						
A2[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]	ash - sludge	F		100	132	5/6/97
A[illegible]						
A[illegible]	ash + sludge + slag	F		700		
A[illegible]						
A25[illegible]						
A2[illegible]						
A2[illegible]						
A[illegible]						
A2CC						
A2C1						
A262						
A2[illegible]3						
A2C4						
A2[illegible]5						
A2C6						
A2[illegible]7						
A[illegible]8						
A2[illegible]						
A2[illegible]						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A271						
A272						
A273						
A274						
A275						
A276						
A277						
A278	ash +	F		2		
A279						
A280						
A281						
A282	~~ash, wet~~	~~F~~		~~10~~	~~135~~	~~5/6/97~~
A283	~~ash, wet~~	~~F~~		~~10~~	~~OK B~~	
A284						
A285						
A286						
A287						
A288						
A289						
A290						
A291						
A292	sludge	F	2/19/97 [illegible]	5		
A293						
A294						
A295						
A296						
A297						
A298						
A299						
A300	sludge	F		1		

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A301						
A302						
A303						
A304	ash + sludge	F		700		
A305						
A306						
A307						
A308						
A309						
A310	ash	F	4/8/89 acc dare D006, D008	1		
A311						
A312						
A313						
A314						
A315						
A316						
A317						
A318	~~sludge~~	~~F~~		~~3~~	~~AB~~	
S A319	sludge	F		3	177	5/6/97
A320	ash	1/2		Ø		
A321						
A322						
A323						
A324						
A325						
A326						
A327						
A328						
A329						
A330						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A331						
A332						
A333	gray ash + [illegible]	F		90		
A334						
A335						
A336						
A337	ash	F	holes in drum D006, D008	Ø	148	5/6/97
A338						
A339						
A340	baghouse dust	F	burner ash + slag see A [illegible] 7/16/94 - non reg. waste tag	Ø	147	5/6/97
A341						
A342						
A343						
A344						
A345	ash + liquid	F		Ø	146	5/6/97
A346	ash	F	12/28/96 [illegible] D006 D008	3		
A347						
A348	black ash + [illegible] paint waste			>100	145	5/6/97
A349						
A350						
A351						
A352						
A353						
A354						
A355	ash + [illegible]	F		20		
A356	ash	F		Ø		
A357						
A358						
A359	ash	F		320	144	5/6/97
A360						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A 361	ash	F	7/8/95 [illegible]	25		
A 362	ash	F		300	143	5/6/97
A 363						
A 364	ash	F		Ø	142	5/6/97
A 365						
A 366						
A 367						
A 368						
A 369	ash	F		>1000		
A 370						
5 A 371	sludge	F	12/28/96 [illegible]	10	141	5/6/97
A 372	ash	F		3	140	5/6/97
A 373						
A 374	ash	F	12/28/96 [illegible]	90		
A 375						
A 376	ash	F	[illegible]	Ø	139	5/6/97
A 377						
A 378						
A 379						
A 380	ash	F		1		
A 381						
A 382	ash	F	12/28/96 [illegible]	10	138	5/6/97
A 383						
A 384						
A 385	ash [illegible]	F	2/19/97 [illegible]	[illegible]	137	5/6/97
A 386						
A 387	solid, plastic [illegible] material	F	2/19/97 [illegible]	Ø		
A 388	sludge	F	2/19/97 [illegible]	[illegible]	136	5/6/97
A 389						
A 390						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A391	ash		7/19/97 D006 D004	Ø	135	5/6/97
A392						
A393						
S A394	reddish liquid	F		400	134	5/6/97
A395						
A396						
A397	ash + slag	F		>1000		
A398	ash	F		Ø	175	5/6/97
A399						
A400						
A401	ash + slag	F		550		
A402	brown liquid	F		1		
A403						
A404						
A405	ash + slag	F		15		
A406						
A407						
A408						
A409						
A410						
A411						
A412						
A413						
A414						
A415						
A416						
A417						
A418						
A419						
A420						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A421						
A422						
A423						
A424						
A425						
A426						
A427						
A428						
A429						
A430	ash	3/4		400	174	5/6/97
A431						
A432	ash	F		100		
A433						
A434						
A435						
A436						
A437						
A438						
A439						
A440						
A441						
A442						
A443						
A444						
A445						
A446						
A447						
A448						
A449						
A450						
A451						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A451						
A452	pink, foam-like material	F	12/28/96 D006, D008	70		
A453						
A454						
A455						
A456						
A457						
A458						
A459						
A460						
A461						
A462	ash-purple	F		600	149	5/6/97
A463						
A464						
A465	ash	F		20		
A466						
A467	white solid material	F		Ø		
A468	ash + sludge	F	12/28/96 D006, D008	Ø	150	5/6/97
A469						
A470						
A471						
A472						
A473	ash + sludge	3/4	12/28/96	350	151	5/6/97
A474	ash	F		Ø		
A475						
A476	ash + sludge	F	2/19/97	400	152	5/6/97
A477						
A478	sludge	F	12/28/97	Ø	153	5/6/97
A479						
A480	ash	F	2/19/97	Ø		

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A451						
A452						
A453	ash	F	12/29/96	40		
A454						
A455	liquid, sludge	F	2/19/97	25	154	5/6/97
A456	ash	F	~~2~~	Ø		
A457						
A458	ash	F	4/95	10	155	5/6/97
A459						
A460						
A461						
A462						
A463						
A464						
A465	ash	F		Ø		
A466	ash + sludge	F		250	156	5/6/97
A467						
A468	sludge + liquid	1/2		110		
A469	~~ash + sludge~~	~~F~~		~~400~~	~~158~~	
A470						
A471	ash + sludge	F		400	157	5/6/97
A472						
A473	ash	F		8	158	5/6/97
A474	ash	F		220		
A475						
A476	ash	F		Ø		
A477						
A478	ash	3/4		110	159	5/6/97
A479	no drum					
A480						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A511						
A512	liquid	F		3		
A513						
A514	ash + sludge	F		100	160	5/6/97
A515						
A516	ash + liquid	F		130		
A517						
A518	red liquid	F		120	161	5/6/97
A519						
A520						
A521	ash	F		Ø	162	5/6/97
A522						
A523						
A524						
A525						
A526						
A527	liquid	F		Ø		
A528						
A529	liquid	F		2	163	5/6/97
A530						
A531						
A532	liquid + sludge	F		50		
A533						
A534	liquid	F		~~Ø~~		
A535	liquid	F		Ø	164	5/6/97
A536						
A537						
A538	ash + paint sludge	F		20		
A539	ash + paint sludge	F		Ø		
A540						

R. V. Hopkins Drum Summary **Davenport, Ia.** TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A541						
A542	ash + sludge	F		50	165	5/6/97
A543						
A544						
A545	ash + sludge	F		400	166	5/6/97
A546						
A547						
A548						
A549						
A550						
A551	ash	F	burned ash + slag [illegible]	10		
A552						
A553						
A554						
A555						
A556						
A557						
A558	ash	F		150	167	5/6/97
A559	ash	F		Ø		
A560						
A561						
A562						
A563						
A564	ash	F		Ø	168	5/6/97
A565						
A566						
A567						
A568						
A569						
A570						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A571						
A572						
A573						
A574						
A575						
A576						
A577						
A578						
A579	ash	F		4		
A580						
A581	ash	F		6		
A582						
A583						
S A584	ash	F		>1000	173	5/6/97
A585						
A586	ash	F		100	172	5/6/97
A587	ash	F		30		
A588						
A589						
A590	liquid	F		1	171	5/6/97
A591						
A592	ash	F		3		
A593						
A594						
A595						
A596	ash	F		0		
A597						
A598						
A599						
A600						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
A[illegible]						
A[illegible]						
A[illegible]						
S A[illegible]	liquid	F		950	170	5/6/97
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]	ash	F		2	176	5/6/97
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]	liquid + sludge	F		10		
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]	ash	F			169	5/6/97
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						
A[illegible]						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
D001						
D002	Baghouse dust brown	F		7	1 4	5/7/97
D003		3/4		Ø		
D004						
D005						
D006						
D007						
D008						
D009						
D010	brown ~~asn~~ dust	F		120		
D011	brown ~~asn~~ dust	F		4		
D012						
D013	brown ~~asn~~ dust	3/4		Ø		
D014						
D015						
D016						
D017	brown dust	F		2		
D018						
D019	brown dust	F		Ø		
D020						
D021						
D022						
D023	~~brown~~ asn-black	F		12		
D024						
D025						
D026						
D027						
D028						
D029						
D030						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
DC31						
DC32						
DC33						
DC34	brown dust	F		5		
DC35						
DC36	brown dust	F		3		
DC37						
DC38	brown dust	F		70	189	5/7/97
DC39	brown dust	F		2		
DC40						
DC41						
DC42						
DC43						
DC44						
DC45						
DC46						
DC47						
DC48						
DC49	brown dust	F		2		
DC50						
DC51	brown dust	F		2000		
DC52						
DC53						
DC54	brown dust	F		20		
DC55						
DC56						
DC57						
DC58	brown dust	F		1		
DC59						
DC60						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
D061						
D062						
D063						
D064						
D065						
D066						
D067						
D068						
D069						
D070						
D071	brown dust	3/4		>1000	190	5/7/97
D072						
D073						
D074	brown dust	~~F~~ 3/4		Ø		
D075						
D076	brown dust	F		1000	182	5/7/97
D077						
D078						
D079						
D080						
D081	brown dust	F		7	183	5/7/97
D082						
D083	brown dust	F		15		
D084						
D085						
D086						
D087						
D088						
D089	brown dust	F		3		
D090						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
DC91						
DC92	brown dust	F		40		
DC93						
DC94	brown dust	F		2		
DC95						
DC96						
DC97	brown dust	F		4		
DC98						
DC99	brown dust	F		1	185	5/7/97
DCC						
D101						
D102						
M03						
D104	ash + paint	1/2		5		
D105						
D106						
D107	ash	F		Ø		
D108						
D109						
D110						
D111						
D112						
D113	brown dust	F		Ø		
D114						
D115	brown dust	F		7		
D116						
D117						
D118						
D119						
D120						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
D121	brown dust	F		2		
D122						
D123						
D124						
D125	brown dust	F		1		
D126						
D127						
D128	brown dust	F		1		
D129						
D130						
D131						
D132						
D133						
D134	brown dust	F		~~10~~	186	5/7/97
D135						
D136						
D137						
D138	brown dust	F		2		
D139						
D140						
D141	brown dust	F		100		
D142						
D143						
D144	brown dust	F		20		
D145						
D146						
D147						
D148						
D149						
D150	brown dust	F		6		

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
D151						
D152						
D153						
D154						
D155						
D156						
D157						
D158						
D159	brown dust	F		5		
D160						
D161						
D162						
D163	brown dust	F		150		
D164						
D165	brown dust	F		Ø	188	5/7/97
D166						
D167						
D168						
D169						
D170	brown dust	F		1		
D171						
D172						
D173						
D174	brown dust	F		4		
D175						
D176						
D177						
D178						
D179						
D180	brown dust	F		2	187	5/7/97

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
D181	brown dust	F		3		
D182						
D183						
D184						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
BC01						
BC02						
BC03						
BC04						
BC05						
BC06						
BC07						
BC08	brown dust	F		340	193	5/7/97
BC09						
BC10						
BC11	brown dust	F		200		
BC12						
BC13						
BC14						
BC15	brown dust	3/4		100		
BC16						
BC17	brown dust	F		>1000		
BC18						
BC19	brown dust	F		70		
BC20						
BC21						
BC22	brown dust	F		100		
BC23						
BC24	brown dust	F		>1000	194	5/7/97
BC25						
BC26	brown dust	F		Ø		
BC27						
BC28	liquid	F		Ø		
BC29	brown dust	F		10		
BC30						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
BC-1						
BC-2						
BC-3						
BC-4						
BC-5						
BC-6	brown dust	F		52		
BC-7	brown dust	F		87		
BC-8						
BC-9						
BC40						
BC41						
BC42						
BC43						
BC44						
BC45						
BC46						
BC47						
BC48						
BC49						
BC50	brown dust	F		Ø		
BC51	brown dust	F		100		
BC52						
BC53	brown dust	F		40		
BC54						
BC55	brown dust	F		6	195	5/7/97
BC56						
BC57						
BC58	brown dust	F		50		
BC59						
BC60						

R. V. Hopkins Drum Summary **Davenport, Ia.** TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
BC61						
BC62						
BC63						
BC64						
BC65						
BC66						
BC67						
BC68						
BC69	iron rust	-				
BC70						
BC71						
BC72						
BC73						
BC74						
BC75						
BC76						
BC77						
BC78						
BC79						
BC80						
BC81	brown dust	F		2		
BC82						
BC83	brown dust	F		2	191	5/7/97
BC84						
BC85	brown dust	F		70		
BC86	brown dust	F		3		
BC87						
BC88						
BC89						
BC90						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
BC91	brown dust	F		3	92	8/19/
BC92						
BC93	brown dust	F		700		
BC94						
BC95	brown dust	F		6		
BC96						
BC97						
BC98						
BC99						
B100						
B101						
B102	brown dust	F		70		
B103						
B104						
B105						
B106						
B107						
B108						
B109	brown dust	F		25		
B110						
B111						
B112						
B113	brown dust	F		55		
B114						
B115						
B116	[illegible]	F		>1000		
B117						
B118	[illegible]	[illegible]		[illegible]		
B119						
B120						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
B121						
B122	brown dust	E		1		
B123						
B124	brown dust	F		15	196	9/1/97
B125						
B126	brown dust	1/2		3		
B127	brown dust	1/2		4		
B128						
B129						
B130						
B131						
B132						
B133						
B134						
B135						
B136						
B137						
B138	brown dust	F		30		
B139	brown dust	F		20		
B140						
B141						
B142						
B143						
B144						
B145						
B146						
B147						
B148	brown dust	F		0		
B149						
B150						

R. V. Hopkins Drum Summary Davenport, Ia. TDD: SO7-9704-001 PAN: 0494RVSFXX

DRUM #	Descr. of Contents	Vol	Comments	OVA	Samp #	Date
B1[illegible]	[illegible]	F		20	197	5/7/97
B1[illegible]						
B1[illegible]						
B1[illegible]	[illegible]	[illegible]		10		
B1[illegible]						
B1[illegible]						

ATTACHMENT 5: PHOTOGRAPHIC RECORD

ATTACHMENT 6: ANALYTICAL DATA

ANALYSIS REQUEST REPORT

VALIDATED DATA

FOR ACTIVITY: APXX5

KUDLINSKI, JIM

06/24/97 09:55:30

ALL REAL SAMPLES AND FIELD Q.C.

* FINAL REPORT

FY: 97 ACTIVITY: APXX5 DESCRIPTION: R.V. HOPKINS LOCATION: DAVENPORT IOWA

STATUS: ACTIVE TYPE: SAMPLING - IN HOUSE ANALYSIS PROJECT: L30

LABO DUE DATE IS 6/ 7/97. REPORT DUE DATE IS 7/ 6/97.

INSPECTION DATE: 5/ 7/97 ALL SAMPLES RECEIVED DATE: 05/08/97

ALL DATA APPROVED BY LABO DATE: 06/23/97 FINAL REPORT TRANSMITTED DATE: 06/24/97

EXPECTED LABO TURNAROUND TIME IS 30 DAYS EXPECTED REPORT TURNAROUND TIME IS 60 DAYS

ACTUAL LABO TURNAROUND TIME IS 46 DAYS ACTUAL REPORT TURNAROUND TIME IS 48 DAYS

SITE CODE: X5 SITE: R.V. HOPKINS

SAMP. NO.	QCC	M	DESCRIPTION	SAMPLE # STATUS	CITY	STATE	AIRS/ STORET LOC NO	SECT	LAY-ER	BEG. DATE	BEG. TIME	END. DATE	END. TIME
100		S	A006	1	DAVENPORT	IOWA				05/06/97	10:35	05/06/97	10:35
101		S	A013	1	DAVENPORT	IOWA				05/06/97	10:40	05/06/97	10:40
102		S	A018	1	DAVENPORT	IOWA				05/06/97	10:45	05/06/97	10:45
103		S	A025	1	DAVENPORT	IOWA				05/06/97	10:50	05/06/97	10:50
104		H	A033	1	DAVENPORT	IOWA				05/06/97	10:55	05/06/97	10:55
105		S	A034	1	DAVENPORT	IOWA				05/06/97	11:00	05/06/97	11:00
106		S	A040	1	DAVENPORT	IOWA				05/06/97	11:25	05/06/97	11:25
107		S	A045	1	DAVENPORT	IOWA				05/06/97	11:05	05/06/97	11:05
108		H	A050	1	DAVENPORT	IOWA				05/06/97	11:10	05/06/97	11:10
109		S	A068	1	DAVENPORT	IOWA				05/06/97	11:15	05/06/97	11:15
110		S	A071	1	DAVENPORT	IOWA				05/06/97	11:20	05/06/97	11:20
111		H	A078	1	DAVENPORT	IOWA				05/06/97	12:40	05/06/97	12:40
112		S	A085	1	DAVENPORT	IOWA				05/06/97	12:45	05/06/97	12:45
113		S	A086	1	DAVENPORT	IOWA				05/06/97	12:50	05/06/97	12:50
114		H	A090	1	DAVENPORT	IOWA				05/06/97	12:56	05/06/97	12:56
115		S	A114	1	DAVENPORT	IOWA				05/06/97	13:00	05/06/97	13:00
116		S	A128	1	DAVENPORT	IOWA				05/06/97	13:05	05/06/97	13:05
117		S	A205	1	DAVENPORT	IOWA				05/06/97	13:10	05/06/97	13:10
118		S	A194	1	DAVENPORT	IOWA				05/06/97	13:10	05/06/97	13:10
119		S	A191	1	DAVENPORT	IOWA				05/06/97	13:15	05/06/97	13:15
120		S	A186	1	DAVENPORT	IOWA				05/06/97	13:15	05/06/97	13:15
121		S	A184	1	DAVENPORT	IOWA				05/06/97	13:18	05/06/97	13:18
122		S	A179	1	DAVENPORT	IOWA				05/06/97	13:20	05/06/97	13:20

SAMP. NO.	QCC	M	DESCRIPTION	SAMPLE # STATUS	CITY	STATE	AIRS/ STORET LOC NO	SECT	LAY-ER	BEG. DATE	BEG. TIME	END. DATE	END. TIME
123		S	A177	1	DAVENPORT	IOWA				05/06/97	13:20	05/06/97	13:20
124		S	A173	1	DAVENPORT	IOWA				05/06/97	13:25	05/06/97	13:25
125		S	A168	1	DAVENPORT	IOWA				05/06/97	13:25	05/06/97	13:25
126		H	A165	1	DAVENPORT	IOWA				05/06/97	13:30	05/06/97	13:30
127		S	A154	1	DAVENPORT	IOWA				05/06/97	13:30	05/06/97	13:30
128		S	A152	1	DAVENPORT	IOWA				05/06/97	13:32	05/06/97	13:32
129		S	A148	1	DAVENPORT	IOWA				05/06/97	13:34	05/06/97	13:34
130		H	A143	1	DAVENPORT	IOWA				05/06/97	13:35	05/06/97	13:35
131		S	A141	1	DAVENPORT	IOWA				05/06/97	13:36	05/06/97	13:36
132		S	A252	1	DAVENPORT	IOWA				05/06/97	13:38	05/06/97	13:38
133		S	A211	1	DAVENPORT	IOWA				05/06/97	13:40	05/06/97	13:40
134		H	A394	1	DAVENPORT	IOWA				05/06/97	13:42	05/06/97	13:42
135		S	A391	1	DAVENPORT	IOWA				05/06/97	13:44	05/06/97	13:44
136		S	A388	1	DAVENPORT	IOWA				05/06/97	13:45	05/06/97	13:45
137		S	A385	1	DAVENPORT	IOWA				05/06/97	13:46	05/06/97	13:46
138		S	A382	1	DAVENPORT	IOWA				05/06/97	13:46	05/06/97	13:46
139		S	A376	1	DAVENPORT	IOWA				05/06/97	13:47	05/06/97	13:47
140		S	A372	1	DAVENPORT	IOWA				05/06/97	13:50	05/06/97	13:50
141		H	A371	1	DAVENPORT	IOWA				05/06/97	13:50	05/06/97	13:50
142		S	A364	1	DAVENPORT	IOWA				05/06/97	13:52	05/06/97	13:52
143		S	A362	1	DAVENPORT	IOWA				05/06/97	13:53	05/06/97	13:53
144		S	A359	1	DAVENPORT	IOWA				05/06/97	13:55	05/06/97	13:55
145		S	A348	1	DAVENPORT	IOWA				05/06/97	13:58	05/06/97	13:58
146		S	A345	1	DAVENPORT	IOWA				05/06/97	14:00	05/06/97	14:00
147		S	A340	1	DAVENPORT	IOWA				05/06/97	14:02	05/06/97	14:02
148		S	A337	1	DAVENPORT	IOWA				05/06/97	14:05	05/06/97	14:05
149		S	A462	1	DAVENPORT	IOWA				05/06/97	14:03	05/06/97	14:03
150		S	A468	1	DAVENPORT	IOWA				05/06/97	14:04	05/06/97	14:04
151		S	A473	1	DAVENPORT	IOWA				05/06/97	14:05	05/06/97	14:05
152		S	A476	1	DAVENPORT	IOWA				05/06/97	14:07	05/06/97	14:07
153		S	A478	1	DAVENPORT	IOWA				05/06/97	14:08	05/06/97	14:08
154		S	A485	1	DAVENPORT	IOWA				05/06/97	14:10	05/06/97	14:10
155		S	A488	1	DAVENPORT	IOWA				05/06/97	14:10	05/06/97	14:10
156		S	A496	1	DAVENPORT	IOWA				05/06/97	14:12	05/06/97	14:12
157		S	A501	1	DAVENPORT	IOWA				05/06/97	14:12	05/06/97	14:12
158		S	A503	1	DAVENPORT	IOWA				05/06/97	14:15	05/06/97	14:15
159		S	A508	1	DAVENPORT	IOWA				05/06/97	14:30	05/06/97	14:30
160		S	A514	1	DAVENPORT	IOWA				05/06/97	14:32	05/06/97	14:32
161		H	A518	1	DAVENPORT	IOWA				05/06/97	14:35	05/06/97	14:35
162		S	A521	1	DAVENPORT	IOWA				05/06/97	14:36	05/06/97	14:36
163		S	A529	1	DAVENPORT	IOWA				05/06/97	14:58	05/06/97	14:58
164		S	A535	1	DAVENPORT	IOWA				05/06/97	15:05	05/06/97	15:05
165		S	A542	1	DAVENPORT	IOWA				05/06/97	15:05	05/06/97	15:05
166		S	A545	1	DAVENPORT	IOWA				05/06/97	15:10	05/06/97	15:10
167		S	A558	1	DAVENPORT	IOWA				05/06/97	15:15	05/06/97	15:15
168		S	A564	1	DAVENPORT	IOWA				05/06/97	15:20	05/06/97	15:20
169		S	A623	1	DAVENPORT	IOWA				05/06/97	15:30	05/06/97	15:30
170		H	A604	1	DAVENPORT	IOWA				05/06/97	15:32	05/06/97	15:32
171		S	A590	1	DAVENPORT	IOWA				05/06/97	15:35	05/06/97	15:35
172		S	A586	1	DAVENPORT	IOWA				05/06/97	15:42	05/06/97	15:42
173		H	A584	1	DAVENPORT	IOWA				05/06/97	15:42	05/06/97	15:42
174		S	A430	1	DAVENPORT	IOWA				05/06/97	16:35	05/06/97	16:35
175		S	A398	1	DAVENPORT	IOWA				05/06/97	16:40	05/06/97	16:40
176		S	A609	1	DAVENPORT	IOWA				05/06/97	16:45	05/06/97	16:45

VALIDATED DATA

SAMP. NO.	QCC	M	DESCRIPTION	SAMPLE # STATUS	CITY	STATE	AIRS/ STORET LOC NO	SECT	LAY-ER	BEG. DATE	BEG. TIME	END. DATE	END. TIME
177		S	A319	1	DAVENPORT	IOWA				05/06/97	16:50	05/06/97	16:50
178		S	A066	1	DAVENPORT	IOWA				05/06/97	17:10	05/06/97	17:10
179		S	A231	1	DAVENPORT	IOWA				05/06/97	17:15	05/06/97	17:15
180		S	WP1	1	DAVENPORT	IOWA				05/07/97	09:00	05/07/97	09:00
181		S	WP2	1	DAVENPORT	IOWA				05/07/97	09:05	05/07/97	09:05
182		S	D076	1	DAVENPORT	IOWA				05/07/97	09:00	05/07/97	09:00
183		S	D081	1	DAVENPORT	IOWA				05/07/97	09:03	05/07/97	09:03
184		S	D002	1	DAVENPORT	IOWA				05/07/97	09:06	05/07/97	09:06
185		S	D099	1	DAVENPORT	IOWA				05/07/97	09:09	05/07/97	09:09
186		S	D134	1	DAVENPORT	IOWA				05/07/97	09:12	05/07/97	09:12
187		S	D180	1	DAVENPORT	IOWA				05/07/97	09:15	05/07/97	09:15
188		S	D165	1	DAVENPORT	IOWA				05/07/97	09:18	05/07/97	09:18
189		S	D038	1	DAVENPORT	IOWA				05/07/97	09:30	05/07/97	09:30
190		S	D071	1	DAVENPORT	IOWA				05/07/97	09:35	05/07/97	09:35
191		S	B083	1	DAVENPORT	IOWA				05/07/97	10:30	05/07/97	10:30
192		S	B091	1	DAVENPORT	IOWA				05/07/97	10:35	05/07/97	10:35
193		S	B008	1	DAVENPORT	IOWA				05/07/97	10:40	05/07/97	10:40
194		S	B024	1	DAVENPORT	IOWA				05/07/97	10:45	05/07/97	10:45
195		S	B055	1	DAVENPORT	IOWA				05/07/97	10:50	05/07/97	10:50
196		S	B124	1	DAVENPORT	IOWA				05/07/97	10:55	05/07/97	10:55
197		S	B151	1	DAVENPORT	IOWA				05/07/97	11:00	05/07/97	11:00

EXPLANATION OF CODES AND INFORMATION ON ANALYSIS REQUEST DETAIL REPORT

SAMPLE INFORMATION:

SAMP. NO. = SAMPLE IDENTIFICATION NUMBER (A 3-DIGIT NUMBER WHICH IN COMBINATION WITH THE ACTIVITY NUMBER AND QCC, PROVIDES AN UNIQUE NUMBER FOR EACH SAMPLE FOR IDENTIFICATION PURPOSES)

QCC = QUALITY CONTROL CODE (A ONE-LETTER CODE USED TO DESIGNATE SPECIFIC QC SAMPLES. THIS FIELD WILL BE BLANK FOR ALL NON-QC OR ACTUAL SAMPLES):

- B = CAL INCREASED CONCENTRATION FOR A LAB SPIKED DUP SAMPLE
- D = MEASURED VALUE FOR FIELD DUPLICATE SAMPLE
- F = MEASURED VALUE FOR FIELD BLANK
- G = MEASURED VALUE FOR METHOD STANDARD
- H = TRUE VALUE FOR METHOD STANDARD
- K = CAL INCREASED CONCENTRATION FOR FIELD SPIKED DUP SAMPLE
- L = MEASURED VALUE FOR A LAB DUPLICATE SAMPLE
- M = MEASURED VALUE FOR LAB BLANK
- N = MEASURED CONCENTRATION OF FIELD SPIKED DUPLICATE
- P = MEASURED VALUE FOR PERFORMANCE STANDARD
- R = CAL INCREASED CONCENTRATION RESULTING FROM LAB SPIKE
- S = MEASURED CONCENTRATION OF LAB SPIKED SAMPLE
- T = TRUE VALUE OF PERFORMANCE STANDARD
- W = MEASURED CONCENTRATION OF LAB SPIKED DUPLICATE
- Y = MEASURED CONCENTRATION OF FIELD SPIKED SAMPLE
- Z = CAL INCREASED CONCENTRATION RESULTING FROM FIELD SPIKE
- 1 = MEASURED VALUE OF FIRST SPIKED REPLICATE
- 2 = MEASURED VALUE OF SECOND SPIKED REPLICATE
- 3 = MEASURED VALUE OF THIRD SPIKED REPLICATE
- 4 = MEASURED VALUE OF FOURTH SPIKED REPLICATE
- 5 = MEASURED VALUE OF FIFTH SPIKED REPLICATE
- 6 = MEASURED VALUE OF SIXTH SPIKED REPLICATE
- 7 = MEASURED VALUE OF SEVENTH SPIKED REPLICATE

M = MEDIA CODE (A ONE-LETTER CODE DESIGNATING THE MEDIA OF THE SAMPLE):

- A = AIR H = HAZARDOUS WASTE/OTHER
- S = SOLID (SOIL, SEDIMENT, SLUDGE)
- T = TISSUE (PLANT & ANIMAL)
- W = WATER (GROUND WATER, SURFACE WATER, WASTE WATER, DRINKING WATER)

DESCRIPTION = A SHORT DESCRIPTION OF THE LOCATION WHERE SAMPLE WAS COLLECTED

AIRS/STORET LOC. NO. = THE SPECIFIC LOCATION ID NUMBER OF EITHER OF THESE NATIONAL DATABASE SYSTEMS, AS APPROPRIATE

DATE/TIME INFORMATION = SPECIFIC INFORMATION REGARDING WHEN THE SAMPLE WAS COLLECTED

- BEG. DATE = DATE SAMPLING WAS STARTED
- BEG. TIME = TIME SAMPLING WAS STARTED
- END DATE = DATE SAMPLING WAS COMPLETED
- END TIME = TIME SAMPLING WAS COMPLETED
- NOTE: A GRAB SAMPLE WILL CONTAIN ONLY BEG. DATE/TIME
  A TIMED COMPOSITE SAMPLE WILL CONTAIN BOTH BEG AND END DATE/TIME TO DESIGNATE DURATION OF SAMPLE COLLECTION

OTHER CODES

- V = VALIDATED

ANALYTICAL RESULTS/MEASUREMENTS INFORMATION:

COMPOUND = MGP (MEDIA-GROUP-PARAMETER) CODE AND NAME OF THE MEASURED CONSTITUENT OR CHARACTERISTIC OF EACH SAMPLE

UNITS = SPECIFIC UNITS IN WHICH RESULTS ARE REPORTED:

- C = CENTIGRADE (CELSIUS) DEGREES
- CFS = CUBIC FEET PER SECOND
- GPM = GALLONS PER MINUTE
- IN = INCHES
- I.D. = SPECIES IDENTIFICATION
- KG = KILOGRAM
- L = LITER
- LB = POUNDS
- MG = MILLIGRAMS (1 X 10-3 GRAMS)
- MGD = MILLION GALLONS PER DAY
- MPH = MILES PER HOUR
- MV = MILLIVOLT
- M/F = MALE/FEMALE
- M2 = SQUARE METER
- M3 = CUBIC METER
- NA = NOT APPLICABLE
- NG = NANOGRAMS (1 X 10-9 GRAMS)
- NTU = NEPHELOMETRIC TURBIDITY UNITS
- PC/L = PICO (1 X 10-12) CURRIES PER LITER
- PG = PICOGRAMS (1 X 10-12 GRAMS)
- P/CM2 = PICOGRAMS PER SQUARE CENTIMETER
- SCM = STANDARD CUBIC METER (1 ATM, 25 C)
- SQ FT = SQUARE FEET
- SU = STANDARD UNITS (PH)
- UG = MICROGRAMS (1 X 10-6 GRAMS)
- UMHOS = MICROMHOS/CM (CONDUCTIVITY UNITS)
- U/CC2 = MICROGRAMS PER 100 SQUARE CENTIMETERS
- U/CM2 = MICROGRAMS PER SQUARE CENTIMETER
- 1000G = 1000 GALLONS
- +/- = POSITIVE/NEGATIVE
- # = NUMBER

DATA QUALIFIERS = SPECIFIC CODES USED IN CONJUNCTION WITH DATA VALUES TO PROVIDE ADDITIONAL INFORMATION ON THE REPORTED RESULTS, OR USED TO EXPLAIN THE ABSENCE OF A SPECIFIC VALUE:

- BLANK = IF FIELD IS BLANK, NO REMARKS OR QUALIFIERS ARE PERTINENT. FOR FINAL REPORTED DATA, THIS MEANS THAT THE VALUES HAVE BEEN REVIEWED AND FOUND TO BE ACCEPTABLE FOR USE.
- I = INVALID SAMPLE/DATA - VALUE NOT REPORTED
- J = DATA REPORTED BUT NOT VALID BY APPROVED QC PROCEDURES
- K = ACTUAL VALUE OF SAMPLE IS < VALUE REPORTED
- L = ACTUAL VALUE OF SAMPLE IS > VALUE REPORTED
- M = DETECTED BUT BELOW THE LEVEL OF REPORTED VALUE FOR ACCURATE QUANTIFICATION
- O = PARAMETER NOT ANALYZED
- U = ACTUAL VALUE OF SAMPLE IS < THE MEASUREMENT DETECTION LIMIT (REPORTED VALUE)

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	100	101	102	103	104	
HF01 PH, HAZARD WASTE	SU					8.39	
HG22 FLASHPOINT (FLAMMABILITY)	'C					85.0	L
HM01 SILVER, TOTAL, BY ICAP	MG/KG					2.00	U
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG					100	U
HM04 BARIUM, TOTAL, BY ICAP	MG/KG					452	
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG					1130	
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG					270	
HM14 LEAD, TOTAL, BY ICAP	MG/KG					1880	
HM16 SELENIUM, BY ICAP	MG/KG					196	
HM51 SILVER, TCLP	MG/L					0.0100	U
HM52 ARSENIC, TCLP	MG/L					0.0500	U
HM53 BARIUM, TCLP	MG/L					0.613	
HM54 CADMIUM, TCLP	MG/L					0.156	
HM55 CHROMIUM, TCLP	MG/L					0.183	
HM56 LEAD, TCLP	MG/L					6.02	
HM57 SELENIUM, TCLP	MG/L					0.0500	U
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L					18000	U
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L					18000	U
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L					23000	U
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L					49000	U
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L					18000	U
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L					18000	U
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L					14000	U
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L					18000	U
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L					14000	U
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L					18000	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	100	101	102	103	104	
HU16 CHLOROBENZENE, BY GC/MS	UG/L					18000	U
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L					18000	U
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L					32000	U
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L					18000	U
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L					14000	U
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L					14000	U
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L					18000	U
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L					18000	U
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L					14000	U
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L					18000	U
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L					23000	U
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L					14000	U
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L					930000	
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L					63000	U
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L					18000	U
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L					81000	
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L					4000000	
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L					14000	U
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L					18000	U
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L					1500000	
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L					18000	U
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L					18000	U
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L					18000	U
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L					23000	U
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L					3300000	
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L					1000000	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	100		101		102		103		104	
HU43 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L									14000	U
HV40 CHLOROFORM, TCLP	MG/L									0.4	U
HV41 DICHLOROETHANE, 1, 2-, TCLP	MG/L									0.4	U
HV42 CARBON TETRACHLORIDE, TCLP	MG/L									0.4	U
HV43 BENZENE, TCLP	MG/L									0.4	U
HV44 CHLOROBENZENE, TCLP	MG/L									0.4	U
HV45 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L									0.4	U
HV46 METHYL ETHYL KETONE, TCLP	MG/L									4.4	
HV47 TETRACHLOROETHYLENE, TCLP	MG/L									0.4	U
HV48 TRICHLOROETHYLENE, TCLP	MG/L									0.4	U
HV49 VINYL CHLORIDE, TCLP	MG/L									0.2	U
SG07 SOLIDS, PERCENT	%	75.2		71.1		94.6		96.8			
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U		
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U		
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	598		944		226		704			
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	9.21		5.72		31.0		37.8			
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	2160		6090		708		740			
SM14 LEAD, TOTAL, BY ICAP	MG/KG	10100		31400		3110		4510			
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U		
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U		
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U		
SM48 BARIUM, TCLP	MG/L	5.24		0.602		2.03		4.08			
SM49 CADMIUM, TCLP	MG/L	0.0213		0.00936		0.0484		0.0756			
SM50 CHROMIUM, TCLP	MG/L	0.687		0.484		0.0100	U	0.0931			
SM51 LEAD, TCLP	MG/L	54.3		19.2		0.280		0.148			
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U		

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	100	101	102	103	104
ZZ01 SAMPLE NUMBER	NA	100	101	102	103	104
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	105	106	107	108		109
HF01 PH, HAZARD WASTE	SU				6.92		
HG22 FLASHPOINT (FLAMMABILITY)	'C				85.0	L	
HM01 SILVER, TOTAL, BY ICAP	MG/KG				2.00	U	
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG				100	U	
HM04 BARIUM, TOTAL, BY ICAP	MG/KG				187		
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG				6.18		
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG				254		
HM14 LEAD, TOTAL, BY ICAP	MG/KG				1410		
HM16 SELENIUM, BY ICAP	MG/KG				100	U	
HM51 SILVER, TCLP	MG/L				0.0100	U	
HM52 ARSENIC, TCLP	MG/L				0.0500	U	
HM53 BARIUM, TCLP	MG/L				5.39		
HM54 CADMIUM, TCLP	MG/L				0.0218		
HM55 CHROMIUM, TCLP	MG/L				0.0365		
HM56 LEAD, TCLP	MG/L				3.63		
HM57 SELENIUM, TCLP	MG/L				0.0500	U	
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L				1600	U	
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L				1600	U	
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L				2000	U	
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L				2300	U	
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L				1600	U	
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L				1600	U	
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L				1200	U	
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L				1600	U	
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L				1200	U	
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L				1600	U	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	105	106	107	108	109
HU16 CHLOROBENZENE, BY GC/MS	UG/L				1600 U	
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L				1600 U	
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L				2800 U	
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L				1600 U	
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L				1200 U	
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L				1200 U	
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L				1600 U	
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L				1600 U	
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L				1200 U	
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L				1600 U	
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L				2000 U	
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L				1200 U	
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L				11000	
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L				5600 U	
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L				2000 U	
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L				210000	
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L				1600 U	
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L				1600 U	
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L				1600 U	
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L				4200	
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L				1600 U	
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L				1600 U	
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L				1600 U	
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L				2000 U	
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L				40000	
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L				8200	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	105	106	107	108	109
143 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L				1200 U	
140 CHLOROFORM, TCLP	MG/L				8 U	
141 DICHLOROETHANE, 1, 2-, TCLP	MG/L				8 U	
142 CARBON TETRACHLORIDE, TCLP	MG/L				8 U	
143 BENZENE, TCLP	MG/L				8 U	
144 CHLOROBENZENE, TCLP	MG/L				8 U	
145 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L				8 U	
146 METHYL ETHYL KETONE, TCLP	MG/L				270	
147 TETRACHLOROETHYLENE, TCLP	MG/L				8 U	
148 TRICHLOROETHYLENE, TCLP	MG/L				8 U	
149 VINYL CHLORIDE, TCLP	MG/L				10 U	
07 SOLIDS, PERCENT	%	74.2	86.3	81.0		75.7
01 SILVER, TOTAL, BY ICAP	MG/KG	5.12 U	5.12 U	5.12 U		5.12 U
03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92 U	7.92 U	7.92 U		7.92 U
04 BARIUM, TOTAL, BY ICAP	MG/KG	661	161	515		1540
06 CADMIUM, TOTAL, BY ICAP	MG/KG	3.57	4.57	27.1		61.6
08 CHROMIUM, TOTAL, BY ICAP	MG/KG	172	119	1500		981
14 LEAD, TOTAL, BY ICAP	MG/KG	980	1190	3670		7270
16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1 U	20.1 U	20.1 U		20.1 U
46 SILVER, TCLP	MG/L	0.0100 U	0.0100 U	0.0100 U		0.0100 U
47 ARSENIC, TCLP	MG/L	0.0500 U	0.0500 U	0.0500 U		0.0500 U
48 BARIUM, TCLP	MG/L	2.43	4.49	2.37		1.10
49 CADMIUM, TCLP	MG/L	0.00500 U	0.0205	0.0863		0.0684
50 CHROMIUM, TCLP	MG/L	0.0914	0.111	1.24		0.118
51 LEAD, TCLP	MG/L	0.630	2.25	7.41		0.101
52 SELENIUM, TCLP	MG/L	0.0500 U	0.0500 U	0.0500 U		0.0500 U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5

VALIDATED DATA

COMPOUND	UNITS	105	106	107	108	109
SAMPLE NUMBER	NA	105	106	107	108	109
ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	110	111		112	113	114	
HF01 PH, HAZARD WASTE	SU		12	L			5.82	
HG22 FLASHPOINT (FLAMMABILITY)	'C		85.0	L			85.0	L
HM01 SILVER, TOTAL, BY ICAP	MG/KG		0.200	U			0.200	U
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG		10.0	U			10.0	U
HM04 BARIUM, TOTAL, BY ICAP	MG/KG		3.88				1010	
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG		0.114				9.22	
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG		3.25				27.5	
HM14 LEAD, TOTAL, BY ICAP	MG/KG		12.8				219	
HM16 SELENIUM, BY ICAP	MG/KG		10.0	U			3.61	
HM51 SILVER, TCLP	MG/L		5.00	K			5.00	K
HM52 ARSENIC, TCLP	MG/L		5.00	K			5.00	K
HM53 BARIUM, TCLP	MG/L		100	K			100	K
HM54 CADMIUM, TCLP	MG/L		1.00	K			1.00	K
HM55 CHROMIUM, TCLP	MG/L		5.00	K			5.00	K
HM56 LEAD, TCLP	MG/L		5.00	K			5.00	K
HM57 SELENIUM, TCLP	MG/L		1.00	K			1.00	K
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L		2000	U			1600	U
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L		2000	U			1600	U
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L		2500	U			2000	U
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L		2000	U			300000	
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		2000	U			1600	U
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L		2000	U			1600	U
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L		1500	U			1200	U
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		2000	U			1600	U
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L		1500	U			1200	U
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L		2000	U			1600	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	110	111	112	113	114
HU16 CHLOROBENZENE, BY GC/MS	UG/L		2000 U			1600 U
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L		2000 U			1600 U
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		3500 U			2800 U
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L		2000 U			1600 U
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L		1500 U			1200 U
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L		1500 U			1200 U
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L		2000 U			1600 U
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L		2000 U			1600 U
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L		1500 U			1200 U
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L		2000 U			1600 U
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L		2500 U			2000 U
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L		1500 U			1200 U
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		15000			77000
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L		7000 U			5600 U
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L		2000 U			76000
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L		14000			67000
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L		120000			3600000
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L		2000 U			1200 U
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L		2000 U			3700
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L		17000			5700000
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L		2000 U			1600 U
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L		2000 U			1600 U
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L		2600			1600 U
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L		2500 U			2000 U
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L		65000			270000
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L		22000			58000

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	110		111		112		113		114	
HU43 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L			1500	U					1200	U
HV40 CHLOROFORM, TCLP	MG/L			0.4	U					0.04	U
HV41 DICHLOROETHANE, 1, 2-, TCLP	MG/L			0.4	U					0.04	U
HV42 CARBON TETRACHLORIDE, TCLP	MG/L			0.4	U					0.04	U
HV43 BENZENE, TCLP	MG/L			0.4	U					0.04	U
HV44 CHLOROBENZENE, TCLP	MG/L			0.4	U					0.04	U
HV45 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L			0.4	U					0.16	
HV46 METHYL ETHYL KETONE, TCLP	MG/L			1.5	U					3.0	
HV47 TETRACHLOROETHYLENE, TCLP	MG/L			0.4	U					0.04	U
HV48 TRICHLOROETHYLENE, TCLP	MG/L			0.4	U					0.04	U
HV49 VINYL CHLORIDE, TCLP	MG/L			0.2	U					0.05	U
SG07 SOLIDS, PERCENT	%	82.9				79.9		68.8			
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U			5.12	U	5.12	U		
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U			7.92	U	7.92	U		
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	1260				109		99.3			
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	232				9.44		5.84			
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	4210				953		828			
SM14 LEAD, TOTAL, BY ICAP	MG/KG	23100				2010		3850			
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U			20.1	U	20.1	U		
SM46 SILVER, TCLP	MG/L	0.0100	U			0.0100	U	0.0100	U		
SM47 ARSENIC, TCLP	MG/L	0.0500	U			0.0500	U	0.0500	U		
SM48 BARIUM, TCLP	MG/L	0.579				1.43		0.524			
SM49 CADMIUM, TCLP	MG/L	0.281				0.0371		0.00500	U		
SM50 CHROMIUM, TCLP	MG/L	0.0467				2.76		0.0372			
SM51 LEAD, TCLP	MG/L	16.5				3.08		0.217			
SM52 SELENIUM, TCLP	MG/L	0.0500	U			0.0600		0.0500	U		

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	110	111	112	113	114
ZZ01 SAMPLE NUMBER	NA	110	111	112	113	114
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	115		116		117		118		119	
SG07 SOLIDS, PERCENT	%	72.9		73.7		98.6		65.4		83.9	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	0.792	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	534		129		242		306		225	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	83.7		1.05	U	188		44.9		33.1	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	106		41.8		2280		2520		1860	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	1110		1370		8470		14000		10300	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	4.59		0.166		4.24		0.547		1.93	
SM49 CADMIUM, TCLP	MG/L	0.0176		0.00500	U	0.947		0.0283		0.00842	
SM50 CHROMIUM, TCLP	MG/L	0.0100	U	0.0190		0.357		0.199		0.0700	
SM51 LEAD, TCLP	MG/L	0.164		0.310		3.45		0.158		2.64	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
ZZ01 SAMPLE NUMBER	NA	115		116		117		118		119	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	120		121		122		123		124	
SG07 SOLIDS, PERCENT	%	29.2		75.8		73.4		82.4		71.2	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	0.512	U	0.512	U	0.512	U	0.512	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	2230		85.6		354		503		537	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	17.8		2.38		2.41		5.62		2.97	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	2190		425		91.3		509		445	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	16500		2060		606		4040		2590	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	0.275		0.351		1.49		0.792		2.05	
SM49 CADMIUM, TCLP	MG/L	0.0161		0.00500	U	0.0050	U	0.00500	U	0.00500	U
SM50 CHROMIUM, TCLP	MG/L	0.0490		0.0283		1.19		0.0784		0.0220	
SM51 LEAD, TCLP	MG/L	44.2		0.463		0.158		2.02		14.5	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
ZZ01 SAMPLE NUMBER	NA	120		121		122		123		124	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	125	126		127	128	129
HF01 PH, HAZARD WASTE	SU		5.13				
HG22 FLASHPOINT (FLAMMABILITY)	'C		45.0				
HM01 SILVER, TOTAL, BY ICAP	MG/KG		0.200	U			
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG		0.977				
HM04 BARIUM, TOTAL, BY ICAP	MG/KG		2.14				
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG		0.100	U			
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG		1.32				
HM14 LEAD, TOTAL, BY ICAP	MG/KG		5.96				
HM16 SELENIUM, BY ICAP	MG/KG		10.0	U			
HM51 SILVER, TCLP	MG/L		5.00	K			
HM52 ARSENIC, TCLP	MG/L		5.00	K			
HM53 BARIUM, TCLP	MG/L		100	K			
HM54 CADMIUM, TCLP	MG/L		1.00	K			
HM55 CHROMIUM, TCLP	MG/L		5.00	K			
HM56 LEAD, TCLP	MG/L		5.00	K			
HM57 SELENIUM, TCLP	MG/L		1.00	K			
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L		16000	U			
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L		16000	U			
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L		20000	U			
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L		68000	U			
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		16000	U			
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L		16000	U			
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L		12000	U			
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		16000	U			
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L		12000	U			
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L		16000	U			

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	125	126	127	128	129
HU16 CHLOROBENZENE, BY GC/MS	UG/L		16000 U			
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L		16000 U			
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		28000 U			
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L		16000 U			
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L		12000 U			
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L		12000 U			
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L		16000 U			
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L		16000 U			
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L		12000 U			
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L		16000 U			
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L		20000 U			
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L		12000 U			
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		700000			
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L		60000 U			
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L		46000 U			
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L		60000 U			
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L		240000			
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L		16000 U			
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L		16000 U			
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L		18000000			
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L		16000 U			
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L		16000 U			
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L		16000 U			
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L		20000 U			
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L		3300000			
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L		560000			

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	125		126		127		128		129	
HU43 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L			12000	U						
HV40 CHLOROFORM, TCLP	MG/L			0.02	U						
HV41 DICHLOROETHANE, 1, 2-, TCLP	MG/L			0.02	U						
HV42 CARBON TETRACHLORIDE, TCLP	MG/L			0.02	U						
HV43 BENZENE, TCLP	MG/L			0.039	U						
HV44 CHLOROBENZENE, TCLP	MG/L			0.02	U						
HV45 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L			0.02	U						
HV46 METHYL ETHYL KETONE, TCLP	MG/L			0.075	U						
HV47 TETRACHLOROETHYLENE, TCLP	MG/L			0.02	U						
HV48 TRICHLOROETHYLENE, TCLP	MG/L			0.02	U						
HV49 VINYL CHLORIDE, TCLP	MG/L			0.025	U						
SG07 SOLIDS, PERCENT	%	78.7				97.4		82.3		90.5	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	0.512	U			5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	0.792	U			7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	110				654		1120		770	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	0.105	U			4.70		6.51		7.58	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	10.0				3180		2070		2230	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	62.1				5640		11600		21000	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	2.02				20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	5.00	K			0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	5.00	K			0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	100	K			1.60		0.629		1.58	
SM49 CADMIUM, TCLP	MG/L	1.00	K			0.0158		0.00500	U	0.00500	U
SM50 CHROMIUM, TCLP	MG/L	5.00	K			0.0369		0.696		0.0846	
SM51 LEAD, TCLP	MG/L	5.00	K			0.330		0.0877		1.45	
SM52 SELENIUM, TCLP	MG/L	1.00	K			0.0500	U	0.0500	U	0.0500	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	125	126	127	128	129
ZZ01 SAMPLE NUMBER	NA	125	126	127	128	129
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	130		131		132		133		134	
HF01 PH, HAZARD WASTE	SU	8.12								7.02	
HG22 FLASHPOINT (FLAMMABILITY)	'C	85.0	L							85.0	L
HM01 SILVER, TOTAL, BY ICAP	MG/KG	2.00	U							0.200	U
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG	100	U							10.0	U
HM04 BARIUM, TOTAL, BY ICAP	MG/KG	1020								0.100	U
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG	3.15								0.100	U
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	1510								0.200	U
HM14 LEAD, TOTAL, BY ICAP	MG/KG	7780								7.25	
HM16 SELENIUM, BY ICAP	MG/KG	100	U							10.0	U
HM51 SILVER, TCLP	MG/L	0.0100	U							5.00	K
HM52 ARSENIC, TCLP	MG/L	0.0500	U							5.00	K
HM53 BARIUM, TCLP	MG/L	1.03								100	K
HM54 CADMIUM, TCLP	MG/L	0.0121								1.00	K
HM55 CHROMIUM, TCLP	MG/L	0.123								5.00	K
HM56 LEAD, TCLP	MG/L	7.21								5.00	K
HM57 SELENIUM, TCLP	MG/L	0.0500	U							1.00	K
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L	4000	U							4000	U
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L	4000	U							4000	U
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L	5000	U							5000	U
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L	10000	U							90000	
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L	4000	U							4000	U
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L	4000	U							4000	U
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L	3000	U							3000	U
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L	4000	U							4000	U
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L	3000	U							3000	U
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L	4000	U							4000	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	130		131		132		133		134	
HU16 CHLOROBENZENE, BY GC/MS	UG/L	4000	U							4000	U
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L	4000	U							4000	U
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L	7000	U							7000	U
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L	4000	U							4000	U
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L	3000	U							3000	U
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L	3000	U							3000	U
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L	4000	U							4000	U
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L	4000	U							4000	U
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L	3000	U							3000	U
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L	4000	U							4000	U
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L	5000	U							5000	U
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L	3000	U							3000	U
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L	530000								120000	
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L	14000	U							14000	U
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L	6400	U							9800	U
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L	430000								51000	
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L	900000								130000	
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L	3000	U							3000	U
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L	4000	U							4000	U
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L	1600000								41000	
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L	4000	U							4000	U
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L	4000	U							4000	U
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L	4000	U							4000	U
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L	5000	U							5000	U
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L	1800000								530000	
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L	560000								130000	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	130		131		132		133		134	
HU43 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L	3000	U							34000	
HV40 CHLOROFORM, TCLP	MG/L	0.4	U							0.4	U
HV41 DICHLOROETHANE, 1, 2-, TCLP	MG/L	0.4	U							0.4	U
HV42 CARBON TETRACHLORIDE, TCLP	MG/L	0.4	U							0.4	U
HV43 BENZENE, TCLP	MG/L	0.4	U							0.4	U
HV44 CHLOROBENZENE, TCLP	MG/L	0.4	U							0.4	U
HV45 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L	0.4	U							0.4	U
HV46 METHYL ETHYL KETONE, TCLP	MG/L	28								46	
HV47 TETRACHLOROETHYLENE, TCLP	MG/L	0.4	U							0.4	U
HV48 TRICHLOROETHYLENE, TCLP	MG/L	0.4	U							0.4	U
HV49 VINYL CHLORIDE, TCLP	MG/L	0.2	U							0.2	U
SG07 SOLIDS, PERCENT	%			78.9		82.0		58.9			
SM01 SILVER, TOTAL, BY ICAP	MG/KG			0.512	U	5.12	U	5.12	U		
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG			7.92	U	7.92	U	7.92	U		
SM04 BARIUM, TOTAL, BY ICAP	MG/KG			798		7170		801			
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG			5.92		146		15.9			
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG			130		56.6		1120			
SM14 LEAD, TOTAL, BY ICAP	MG/KG			1690		539		4980			
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG			20.1	U	20.1	U	20.1	U		
SM46 SILVER, TCLP	MG/L			0.0100	U	0.0100	U	0.010	U		
SM47 ARSENIC, TCLP	MG/L			0.0500	U	0.0500	U	0.0500	U		
SM48 BARIUM, TCLP	MG/L			0.330		138		0.197	U		
SM49 CADMIUM, TCLP	MG/L			0.00500	U	0.0050	U	0.0105			
SM50 CHROMIUM, TCLP	MG/L			0.0183		0.0247		0.0192			
SM51 LEAD, TCLP	MG/L			0.0662		0.0500	U	0.106			
SM52 SELENIUM, TCLP	MG/L			0.0500	U	0.0500	U	0.0500	U		

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	130	131	132	133	134
ZZ01 SAMPLE NUMBER	NA	130	131	132	133	134
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	135		136		137		138		139	
SG07 SOLIDS, PERCENT	%	61.6		73.2		79.3		66.8		73.6	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	508		647		708		199		553	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	1.30		7.10		3.87		1.05	U	10.8	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	304		576		2130		22.5		2770	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	2740		2900		8240		1760		18600	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	0.140	U	0.263	U	1.98		0.212	U	2.23	
SM49 CADMIUM, TCLP	MG/L	0.00500	U	0.00500	U	0.0297		0.00500	U	0.0191	
SM50 CHROMIUM, TCLP	MG/L	0.0321		0.0642		0.541		0.0463		0.356	
SM51 LEAD, TCLP	MG/L	0.102		0.194		75.5		0.133		2.52	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.069		0.0549		0.0500	U
ZZ01 SAMPLE NUMBER	NA	135		136		137		138		139	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	140	141		142	143	144
HF01 PH, HAZARD WASTE	SU		7.58				
HG22 FLASHPOINT (FLAMMABILITY)	'C		85.0	L			
HM01 SILVER, TOTAL, BY ICAP	MG/KG		2.00	U			
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG		100	U			
HM04 BARIUM, TOTAL, BY ICAP	MG/KG		728				
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG		10.1				
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG		227				
HM14 LEAD, TOTAL, BY ICAP	MG/KG		1710				
HM16 SELENIUM, BY ICAP	MG/KG		100	U			
HM51 SILVER, TCLP	MG/L		0.0100	U			
HM52 ARSENIC, TCLP	MG/L		0.0500	U			
HM53 BARIUM, TCLP	MG/L		1.15				
HM54 CADMIUM, TCLP	MG/L		0.0107				
HM55 CHROMIUM, TCLP	MG/L		0.0453				
HM56 LEAD, TCLP	MG/L		0.486				
HM57 SELENIUM, TCLP	MG/L		0.0500	U			
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L		16000	U			
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L		16000	U			
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L		20000	U			
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L		25000	U			
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		16000	U			
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L		16000	U			
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L		12000	U			
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		16000	U			
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L		12000	U			
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L		16000	U			

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	140	141		142	143	144
HU16 CHLOROBENZENE, BY GC/MS	UG/L		16000	U			
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L		16000	U			
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		28000	U			
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L		16000	U			
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L		12000	U			
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L		12000	U			
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L		16000	U			
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L		16000	U			
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L		12000	U			
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L		16000	U			
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L		20000	U			
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L		12000	U			
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		300000				
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L		56000	U			
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L		32000	U			
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L		60000	U			
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L		2600000				
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L		16000	U			
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L		22000				
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L		1600000				
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L		16000	U			
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L		16000	U			
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L		16000	U			
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L		20000	U			
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L		1000000				
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L		320000				

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	140		141		142		143		144	
HU43 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L			12000	U						
HV40 CHLOROFORM, TCLP	MG/L			0.4	U						
HV41 DICHLOROETHANE, 1, 2-, TCLP	MG/L			0.4	U						
HV42 CARBON TETRACHLORIDE, TCLP	MG/L			0.4	U						
HV43 BENZENE, TCLP	MG/L			0.4	U						
HV44 CHLOROBENZENE, TCLP	MG/L			0.4	U						
HV45 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L			0.4	U						
HV46 METHYL ETHYL KETONE, TCLP	MG/L			18							
HV47 TETRACHLOROETHYLENE, TCLP	MG/L			0.4	U						
HV48 TRICHLOROETHYLENE, TCLP	MG/L			0.4	U						
HV49 VINYL CHLORIDE, TCLP	MG/L			0.2	U						
SG07 SOLIDS, PERCENT	%	67.1				92.3		74.1		87.6	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U			5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U			7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	998				1680		263		177	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	299				1.92		5.16		20.4	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	681				228		458		312	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	5550				2140		3590		1680	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U			20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U			0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U			0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	3.17				1.21		0.850		0.640	
SM49 CADMIUM, TCLP	MG/L	0.431				0.00603		0.00500	U	0.00500	U
SM50 CHROMIUM, TCLP	MG/L	0.287				0.172		0.138		0.0144	
SM51 LEAD, TCLP	MG/L	19.4				11.9		0.0752		0.181	
SM52 SELENIUM, TCLP	MG/L	0.0680				0.0500	U	0.0500	U	0.0500	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5

VALIDATED DATA

COMPOUND	UNITS	140	141	142	143	144
ZZ01 SAMPLE NUMBER	NA	140	141	142	143	144
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	145		146		147		148		149	
SG07 SOLIDS, PERCENT	%	86.7		73.3		92.7		72.3		81.2	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	380		216		2590		554		611	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	4.07		6.33		49.7		14.3		17.9	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	123		5910		1320		565		275	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	561		32700		7720		7770		2000	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	0.516		1.17		3.81		1.24		2.17	
SM49 CADMIUM, TCLP	MG/L	0.00500	U	0.121		0.541		0.00500	U	0.0618	
SM50 CHROMIUM, TCLP	MG/L	0.0214		0.541		0.0341		0.0476		0.290	
SM51 LEAD, TCLP	MG/L	0.0675		126		0.0500	U	10.0		13.1	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0829		0.0500	U	0.0500	U	0.0647	
ZZ01 SAMPLE NUMBER	NA	145		146		147		148		149	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	150		151		152		153		154	
SG07 SOLIDS, PERCENT	%	84.9		78.3		73.6		62.4		50.0	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	25.6		19.5		203		531		786	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	1.33		1.11		4.28		2.48		2.67	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	25.7		22.7		257		213		107	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	141		200		1550		1360		1260	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	0.133	U	0.195	U	2.61		0.267	U	0.389	
SM49 CADMIUM, TCLP	MG/L	0.00500	U	0.00500	U	0.00948		0.00500	U	0.00500	U
SM50 CHROMIUM, TCLP	MG/L	0.0100	U	0.0100	U	0.492		0.128		0.0100	U
SM51 LEAD, TCLP	MG/L	0.0620		0.168		4.04		0.335		0.0473	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0529		0.0500	U	0.0500	U
ZZ01 SAMPLE NUMBER	NA	150		151		152		153		154	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	155		156		157		158		159	
SG07 SOLIDS, PERCENT	%	73.9		78.5		78.6		75.3		82.5	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	397		1130		619		1150		477	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	5.28		10.3		1.41		34.8		1.83	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	2210		5930		1650		1740		4110	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	10500		25900		9270		9390		27800	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	0.623		1.60		2.78		1.04		0.644	
SM49 CADMIUM, TCLP	MG/L	0.0331		0.0107		0.00500	U	0.0759		0.0050	U
SM50 CHROMIUM, TCLP	MG/L	1.19		0.0841		0.723		0.275		0.0242	
SM51 LEAD, TCLP	MG/L	33.3		2.95		39.9		0.741		6.69	
SM52 SELENIUM, TCLP	MG/L	0.0649		0.0500	U	0.0554		0.0500	U	0.0500	U
ZZ01 SAMPLE NUMBER	NA	155		156		157		158		159	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	160	161		162	163	164
HF01 PH, HAZARD WASTE	SU		12.0				
HG22 FLASHPOINT (FLAMMABILITY)	'C		85.0	L			
HM01 SILVER, TOTAL, BY ICAP	MG/KG		0.200	U			
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG		10.0	U			
HM04 BARIUM, TOTAL, BY ICAP	MG/KG		18.0				
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG		0.776				
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG		16.3				
HM14 LEAD, TOTAL, BY ICAP	MG/KG		91.6				
HM16 SELENIUM, BY ICAP	MG/KG		10.0	U			
HM51 SILVER, TCLP	MG/L		5.00	K			
HM52 ARSENIC, TCLP	MG/L		5.00	K			
HM53 BARIUM, TCLP	MG/L		100	K			
HM54 CADMIUM, TCLP	MG/L		1.00	K			
HM55 CHROMIUM, TCLP	MG/L		5.00	K			
HM56 LEAD, TCLP	MG/L		5.00	K			
HM57 SELENIUM, TCLP	MG/L		1.00	K			
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L		11000	U			
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L		11000	U			
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L		14000	U			
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L		23000	U			
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		11000	U			
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L		11000	U			
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L		8600	U			
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		11000	U			
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L		8600	U			
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L		11000	U			

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	160	161		162	163	164
HU16 CHLOROBENZENE, BY GC/MS	UG/L		11000	U			
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L		11000	U			
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L		20000	U			
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L		11000	U			
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L		8600	U			
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L		8600	U			
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L		11000	U			
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L		11000	U			
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L		8600	U			
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L		11000	U			
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L		14000	U			
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L		8600	U			
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L		52000				
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L		42000	U			
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L		25000	U			
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L		40000	U			
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L		890000				
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L		11000	U			
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L		11000	U			
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L		67000				
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L		11000	U			
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L		40000				
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L		20000				
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L		14000	U			
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L		160000				
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L		50000				

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	160		161		162		163		164	
HU43 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L			8600	U						
HV40 CHLOROFORM, TCLP	MG/L			0.8	U						
HV41 DICHLOROETHANE, 1, 2-, TCLP	MG/L			0.8	U						
HV42 CARBON TETRACHLORIDE, TCLP	MG/L			0.8	U						
HV43 BENZENE, TCLP	MG/L			0.8	U						
HV44 CHLOROBENZENE, TCLP	MG/L			0.8	U						
HV45 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L			0.8	U						
HV46 METHYL ETHYL KETONE, TCLP	MG/L			3	U						
HV47 TETRACHLOROETHYLENE, TCLP	MG/L			0.8	U						
HV48 TRICHLOROETHYLENE, TCLP	MG/L			2.5							
HV49 VINYL CHLORIDE, TCLP	MG/L			1	U						
SG07 SOLIDS, PERCENT	%	79.5				71.0		59.0		30.8	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U			5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U			7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	611				1100		5880		237	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	1.05	U			4.42		80.9		4.16	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	2030				191		54.0		252	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	9060				883		504		1210	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U			20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U			0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U			0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	0.775				1.51		92.9		0.974	
SM49 CADMIUM, TCLP	MG/L	0.0050	U			0.0174		0.0252		0.0150	
SM50 CHROMIUM, TCLP	MG/L	1.59				0.0354		0.0229		0.0165	
SM51 LEAD, TCLP	MG/L	1.03				0.102		0.286		0.643	
SM52 SELENIUM, TCLP	MG/L	0.0500	U			0.0500	U	0.0607		0.0500	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	160	161	162	163	164
ZZ01 SAMPLE NUMBER	NA	160	161	162	163	164
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	165		166		167		168		169	
SG07 SOLIDS, PERCENT	%	73.8		78.4		80.4		76.0		72.4	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	261		1020		914		247		593	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	1.05	U	4.68		11.7		15.5		88.3	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	80.6		54.3		271		1740		4540	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	656		445		1240		12200		33700	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	0.206	U	0.360	U	1.48		0.908		1.03	
SM49 CADMIUM, TCLP	MG/L	0.0157		0.00787		0.0183		0.0588		0.131	
SM50 CHROMIUM, TCLP	MG/L	0.0239		0.0100	U	0.0453		0.0902		0.423	
SM51 LEAD, TCLP	MG/L	0.0500	U	0.473		0.565		11.5		11.1	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
ZZ01 SAMPLE NUMBER	NA	165		166		167		168		169	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	170		171		172		173		174	
HF01 PH, HAZARD WASTE	SU	6.07						9.64			
HG22 FLASHPOINT (FLAMMABILITY)	'C	50.0						85.0	L		
HM01 SILVER, TOTAL, BY ICAP	MG/KG	0.200	U					2.00	U		
HM03 ARSENIC, TOTAL, BY ICAP	MG/KG	10.0	U					100	U		
HM04 BARIUM, TOTAL, BY ICAP	MG/KG	41.1						465			
HM06 CADMIUM, TOTAL, BY ICAP	MG/KG	0.147						1.96			
HM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	3.53						140			
HM14 LEAD, TOTAL, BY ICAP	MG/KG	27.0						1090			
HM16 SELENIUM, BY ICAP	MG/KG	10.0	U					100	U		
HM51 SILVER, TCLP	MG/L	5.00	K					0.0100	U		
HM52 ARSENIC, TCLP	MG/L	5.00	K					0.0500	U		
HM53 BARIUM, TCLP	MG/L	100	K					0.789			
HM54 CADMIUM, TCLP	MG/L	1.00	K					0.00500	U		
HM55 CHROMIUM, TCLP	MG/L	5.00	K					0.102			
HM56 LEAD, TCLP	MG/L	5.00	K					0.336			
HM57 SELENIUM, TCLP	MG/L	1.00	K					0.0532			
HR02 DICHLOROBENZENE, 1,2- (MASS/VOLUME)	UG/L	5000	U					6800	U		
HR03 DICHLOROBENZENE, 1,3- (MASS/VOLUME)	UG/L	5000	U					6800	U		
HR04 DICHLOROBENZENE, 1,4- (MASS/VOLUME)	UG/L	6200	U					8500	U		
HU09 ACETONE, BY GC/MS (MASS/VOLUME)	UG/L	26000	U					6900	U		
HU10 BENZENE, BY GC/MS (MASS/VOLUME)	UG/L	5000	U					9100			
HU11 BROMODICHLOROMETHANE, BY GC/MS	UG/L	5000	U					6800	U		
HU12 BROMOFORM, BY GC/MS (MASS/VOLUME)	UG/L	3700	U					5100	U		
HU13 BROMOMETHANE, BY GC/MS (MASS/VOLUME)	UG/L	5000	U					6800	U		
HU14 CARBON DISULFIDE, BY GC/MS (MASS/VOLUME	UG/L	3700	U					5100	U		
HU15 CARBON TETRACHLORIDE, BY GC/MS (MASS/VO	UG/L	5000	U					6800	U		

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	170		171		172		173		174	
HU16 CHLOROBENZENE, BY GC/MS	UG/L	5000	U					6800	U		
HU17 CHLOROETHANE, BY GC/MS (MASS/VOLUME)	UG/L	5000	U					6800	U		
HU18 CHLOROMETHANE, BY GC/MS (MASS/VOLUME)	UG/L	8700	U					12000	U		
HU19 CHLOROFORM, BY GC/MS (MASS/VOLUME)	UG/L	5000	U					6800	U		
HU20 DIBROMOCHLOROMETHANE, BY GC/MS (MASS/VO	UG/L	3700	U					5100	U		
HU21 DICHLOROETHANE,1,1, BY GC/MS (MASS/VOLU	UG/L	3700	U					5100	U		
HU22 DICHLOROETHANE,1,2, BY GC/MS (MASS/VOLU	UG/L	5000	U					6800	U		
HU23 DICHLOROETHYLENE,1,1, BY GC/MS (MASS/VO	UG/L	5000	U					6800	U		
HU24 DICHLOROETHYLENE,1,2, TOTAL (MASS/VOLUM	UG/L	3700	U					5100	U		
HU25 DICHLOROPROPANE,1,2 BY GC/MS (MASS/VOLU	UG/L	5000	U					6800	U		
HU26 DICHLOROPROPYLENE,CIS-1,3,BY GC/MS(MASS	UG/L	6200	U					8500	U		
HU27 DICHLOROPROPYLENE, TRANS-1,3 (MASS/VOLU	UG/L	3700	U					5100	U		
HU28 ETHYL BENZENE, BY GC/MS (MASS/VOLUME)	UG/L	1500000						640000			
HU29 HEXANONE, 2- (MASS/VOLUME)	UG/L	17000	U					24000	U		
HU30 METHYLENE CHLORIDE, BY GC/MS (MASS/VOLU	UG/L	7200	U					17000	U		
HU31 METHYL ETHYL KETONE (MASS/VOLUME)	UG/L	100000						100000	U		
HU32 STYRENE, BY GC/MS (MASS/VOLUME)	UG/L	11000000						67000			
HU33 TETRACHLOROETHANE,1,1,2,2,BY GC/MS(MASS	UG/L	5000	U					6800	U		
HU34 TETRACHLOROETHYLENE, BY GC/MS (MASS/VOL	UG/L	5000	U					6800	U		
HU35 TOLUENE, BY GC/MS (MASS/VOLUME)	UG/L	430000						5400000			
HU36 TRICHLOROETHANE,1,1,2-, BY GC/MS (MASS/	UG/L	5000	U					6800	U		
HU37 TRICHLOROETHYLENE, BY GC/MS (MASS/VOLUM	UG/L	5000	U					6800	U		
HU38 TRICHLOROETHANE,1,1,1-, BY GC/MS (MASS/	UG/L	5000	U					6800	U		
HU39 VINYL CHLORIDE, BY GC/MS (MASS/VOLUME)	UG/L	6200	U					8500	U		
HU40 XYLENE, M AND/OR P (MASS/VOLUME)	UG/L	5400000						2000000			
HU41 XYLENE, ORTHO (MASS/VOLUME)	UG/L	1700000						660000			

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	170		171		172		173		174	
HU43 4-METHYL-2-PENTANONE (MASS/VOLUME)	UG/L	49000						5100	U		
HV40 CHLOROFORM, TCLP	MG/L	4	U					0.4	U		
HV41 DICHLOROETHANE, 1, 2-, TCLP	MG/L	4	U					0.4	U		
HV42 CARBON TETRACHLORIDE, TCLP	MG/L	4	U					0.4	U		
HV43 BENZENE, TCLP	MG/L	4	U					0.4	U		
HV44 CHLOROBENZENE, TCLP	MG/L	4	U					0.4	U		
HV45 DICHLOROETHYLENE, 1, 1-, TCLP	MG/L	4	U					0.4	U		
HV46 METHYL ETHYL KETONE, TCLP	MG/L	160						3.5	U		
HV47 TETRACHLOROETHYLENE, TCLP	MG/L	4	U					0.4	U		
HV48 TRICHLOROETHYLENE, TCLP	MG/L	4	U					0.4	U		
HV49 VINYL CHLORIDE, TCLP	MG/L	5	U					0.2	U		
SG07 SOLIDS, PERCENT	%			44.6		52.5				69.5	
SM01 SILVER, TOTAL, BY ICAP	MG/KG			5.12	U	5.12	U			5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG			7.92	U	7.92	U			7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG			1090		1550				545	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG			30.3		38.9				4.24	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG			286		1190				3200	
SM14 LEAD, TOTAL, BY ICAP	MG/KG			2460		7080				12600	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG			20.1	U	20.1	U			20.1	U
SM46 SILVER, TCLP	MG/L			0.0100	U	0.0100	U			0.0100	U
SM47 ARSENIC, TCLP	MG/L			0.0500	U	0.0500	U			0.0500	U
SM48 BARIUM, TCLP	MG/L			1.28		2.49				1.57	
SM49 CADMIUM, TCLP	MG/L			0.0368		0.161				0.0050	U
SM50 CHROMIUM, TCLP	MG/L			0.0335		0.0736				0.0225	
SM51 LEAD, TCLP	MG/L			3.13		1.39				32.8	
SM52 SELENIUM, TCLP	MG/L			0.0500	U	0.0500	U			0.0778	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5

VALIDATED DATA

COMPOUND	UNITS	170	171	172	173	174
ZZ01 SAMPLE NUMBER	NA	170	171	172	173	174
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	175		176		177		178		179	
SG07 SOLIDS, PERCENT	%	72.2		81.9		51.2		80.0		83.6	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U				
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U				
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	905		489		251					
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	5.52		9.73		2.73					
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	1760		2750		100					
SM14 LEAD, TOTAL, BY ICAP	MG/KG	10500		14300		822					
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U				
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U				
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U				
SM48 BARIUM, TCLP	MG/L	1.21		1.73		0.227	U				
SM49 CADMIUM, TCLP	MG/L	0.0136		0.0351		0.0050	U				
SM50 CHROMIUM, TCLP	MG/L	0.0782		0.505		0.0100	U				
SM51 LEAD, TCLP	MG/L	8.92		16.6		0.102					
SM52 SELENIUM, TCLP	MG/L	0.0560		0.0718		0.0500	U				
SV01 VINYL CHLORIDE, TCLP	MG/L					0.2	K	0.2	K	0.2	K
SV02 CHLOROFORM, TCLP	MG/L					6.0	K	6.0	K	6.0	K
SV03 CHLOROMETHANE, BY GC/MS	UG/KG					7100	U	9100	U	12000	U
SV04 BROMOMETHANE, BY GC/MS	UG/KG					14000	U	18000	U	24000	U
SV05 VINYL CHLORIDE, BY GC/MS	UG/KG					11000	U	14000	U	18000	U
SV06 CHLOROETHANE, BY GC/MS	UG/KG					11000	U	14000	U	18000	U
SV07 METHYLENE CHLORIDE (DICHLOROMETHANE)	UG/KG					7100	U	9100	U	12000	U
SV08 DICHLOROETHYLENE,1,1, BY GC/MS	UG/KG					3600	U	4600	U	6000	U
SV09 DICHLOROETHANE,1,1, BY GC/MS	UG/KG					3600	U	4600	U	6000	U
SV10 DICHLOROETHYLENE,TRANS-1,2	UG/KG					3600	U	4600	U	6000	U
SV11 CHLOROFORM, BY GC/MS	UG/KG					3600	U	4600	U	6000	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	175	176	177	178	179
SV12 DICHLOROETHANE,1,2, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV13 TRICHLOROETHANE,1,1,1-, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV14 CARBON TETRACHLORIDE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV15 BROMODICHLOROMETHANE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV16 DICHLOROPROPANE,1,2, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV17 BENZENE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV18 DICHLOROPROPYLENE,TRANS-1,3	UG/KG			3600 U	4600 U	6000 U
SV19 TRICHLOROETHYLENE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV20 DICHLOROPROPYLENE,CIS-1,3, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV21 DIBROMOCHLOROMETHANE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV22 TRICHLOROETHANE,1,1,2-, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV23 DICHLOROETHANE,1,2, TCLP	MG/L			0.5 K	0.5 K	0.5 K
SV24 BROMOFORM, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV25 TETRACHLOROETHYLENE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV26 TOLUENE, BY GC/MS	UG/KG			700000	16000000	1600000
SV27 TETRACHLOROETHANE,1,1,2,2, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV28 CHLOROBENZENE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV29 ETHYL BENZENE, BY GC/MS	UG/KG			420000	590000	130000
SV30 ACETONE, BY GC/MS	UG/KG			7100 U	22000 U	12000 U
SV31 CARBON DISULFIDE, BY GC/MS	UG/KG			3600 U	4600 U	6000 U
SV32 METHYL ETHYL KETONE	UG/KG			7100 U	39000 U	82000 U
SV34 HEXANONE, 2-	UG/KG			7100 U	9100 U	12000 U
SV35 4-METHYL-2-PENTANONE(MIBK)	UG/KG			7100 U	9100 U	12000 U
SV36 STYRENE, BY GC/MS	UG/KG			1900000	600000	590000
SV38 CARBON TETRACHLORIDE, TCLP	MG/L			0.5 K	0.5 K	0.5 K
SV39 BENZENE, TCLP	MG/L			0.5 K	0.5 K	0.5 K

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	175	176	177	178	179
SV40 CHLOROBENZENE, TCLP	MG/L			100 K	100 K	100 K
SV44 DICHLOROBENZENE,1,4-	UG/KG			3600 U	4600 U	6000 U
SV49 XYLENE, ORTHO	UG/KG			470000	820000	150000
SV50 DICHLOROETHYLENE,1,1, TCLP	MG/L			0.7 K	0.7 K	0.7 K
SV51 METHYL ETHYL KETONE, TCLP	MG/L			200 K	200 K	200 K
SV52 TETRACHLOROETHYLENE, TCLP	MG/L			0.7 K	0.7 K	0.7 K
SV53 TRICHLOROETHYLENE, TCLP	MG/L			0.5 K	0.5 K	0.5 K
SV57 XYLENE, M AND/OR P	UG/KG			1500000	2700000	510000
SV60 DICHLOROBENZENE, 1, 3-	UG/KG			3600 U	4600 U	6000 U
SV61 DICHLOROBENZENE, 1, 2-	UG/KG			3600 U	4600 U	6000 U
SV63 DICHLOROETHYLENE, CIS -1,2	UG/KG			3600 U	4600 U	6000 U
ZZ01 SAMPLE NUMBER	NA	175	176	177	178	179
ZZ02 ACTIVITY CODE	NA	APXX5	APXX5	APXX5	APXX5	APXX5

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	180		181		182		183		184	
SG07 SOLIDS, PERCENT	%	83.7		85.7		97.3		96.2		95.7	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	300		602		2810		749		945	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	15.6		13.5		43.2		41.8		43.4	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	6630		1770		923		776		964	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	39000		12500		7510		4430		5320	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0100	U	0.0100	U	0.0131	
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	1.20		0.821		4.18		2.64		3.98	
SM49 CADMIUM, TCLP	MG/L	0.0732		0.0411		0.245		0.0405		0.0647	
SM50 CHROMIUM, TCLP	MG/L	0.0789		0.0346		0.0100	U	0.0282		0.0362	
SM51 LEAD, TCLP	MG/L	59.7		11.3		0.0500	U	0.237		0.336	
SM52 SELENIUM, TCLP	MG/L	0.0917		0.0500	U	0.0500	U	0.0500	U	0.0500	U
ZZ01 SAMPLE NUMBER	NA	180		181		182		183		184	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	185		186		187		188		189	
SG07 SOLIDS, PERCENT	%	96.0		96.6		96.5		95.5		93.5	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	912		1110		1340		1530		611	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	15.4		39.7		43.5		39.3		37.4	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	294		920		640		1210		892	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	4900		4800		2560		7370		4730	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0153		0.0101		0.0100	U	0.0124		0.0108	
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	6.31		5.78		7.70		5.61		8.67	
SM49 CADMIUM, TCLP	MG/L	0.250		0.267		0.270		0.307		0.251	
SM50 CHROMIUM, TCLP	MG/L	7.44		4.54		3.80		10.9		4.72	
SM51 LEAD, TCLP	MG/L	7.79		2.93		3.90		3.51		4.39	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
ZZ01 SAMPLE NUMBER	NA	185		186		187		188		189	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5		APXX5		APXX5	

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	190		191		192		193		194	
SG07 SOLIDS, PERCENT	%	97.6		94.7		93.5		99.0		97.3	
SG22 FLASHPOINT (FLAMMABILITY), SOIL	C	85.0	L							85.0	L
SG23 PH, SOIL	SU	9.88								10.2	
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U	5.12	U	5.12	U
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U	7.92	U	7.92	U
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	1910		1600		2040		1530		1150	
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	72.4		69.4		66.5		55.4		51.5	
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	1750		893		867		795		1360	
SM14 LEAD, TOTAL, BY ICAP	MG/KG	10200		5200		5260		4590		9360	
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U	20.1	U	20.1	U
SM46 SILVER, TCLP	MG/L	0.0100	U	0.0100	U	0.0109		0.0100	U	0.0100	U
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SM48 BARIUM, TCLP	MG/L	7.20		12.5		5.40		8.17		4.50	
SM49 CADMIUM, TCLP	MG/L	0.426		0.503		0.141		0.230		0.129	
SM50 CHROMIUM, TCLP	MG/L	10.2		8.62		0.123		0.0403		0.127	
SM51 LEAD, TCLP	MG/L	5.00		3.29		0.243		0.135		0.101	
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U	0.0500	U	0.0500	U
SV01 VINYL CHLORIDE, TCLP	MG/L	0.2	K							0.2	K
SV02 CHLOROFORM, TCLP	MG/L	6.0	K							6.0	K
SV03 CHLOROMETHANE, BY GC/MS	UG/KG	10000	U							8400	U
SV04 BROMOMETHANE, BY GC/MS	UG/KG	20000	U							17000	U
SV05 VINYL CHLORIDE, BY GC/MS	UG/KG	15000	U							12000	U
SV06 CHLOROETHANE, BY GC/MS	UG/KG	15000	U							12000	U
SV07 METHYLENE CHLORIDE (DICHLOROMETHANE)	UG/KG	10000	U							8400	U
SV08 DICHLOROETHYLENE,1,1, BY GC/MS	UG/KG	5000	U							4200	U
SV09 DICHLOROETHANE,1,1, BY GC/MS	UG/KG	5000	U							4200	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	190		191		192		193		194	
SV10 DICHLOROETHYLENE,TRANS-1,2	UG/KG	5000	U							4200	U
SV11 CHLOROFORM, BY GC/MS	UG/KG	5000	U							4200	U
SV12 DICHLOROETHANE,1,2, BY GC/MS	UG/KG	5000	U							4200	U
SV13 TRICHLOROETHANE,1,1,1-, BY GC/MS	UG/KG	5000	U							4200	U
SV14 CARBON TETRACHLORIDE, BY GC/MS	UG/KG	5000	U							4200	U
SV15 BROMODICHLOROMETHANE, BY GC/MS	UG/KG	5000	U							4200	U
SV16 DICHLOROPROPANE,1,2, BY GC/MS	UG/KG	5000	U							4200	U
SV17 BENZENE, BY GC/MS	UG/KG	5000	U							4200	U
SV18 DICHLOROPROPYLENE,TRANS-1,3	UG/KG	5000	U							4200	U
SV19 TRICHLOROETHYLENE, BY GC/MS	UG/KG	5000	U							4200	U
SV20 DICHLOROPROPYLENE,CIS-1,3, BY GC/MS	UG/KG	5000	U							4200	U
SV21 DIBROMOCHLOROMETHANE, BY GC/MS	UG/KG	5000	U							4200	U
SV22 TRICHLOROETHANE,1,1,2-, BY GC/MS	UG/KG	5000	U							4200	U
SV23 DICHLOROETHANE,1,2, TCLP	MG/L	0.5	K							0.5	K
SV24 BROMOFORM, BY GC/MS	UG/KG	5000	U							4200	U
SV25 TETRACHLOROETHYLENE, BY GC/MS	UG/KG	5000	U							4200	U
SV26 TOLUENE, BY GC/MS	UG/KG	410000								13000000	
SV27 TETRACHLOROETHANE,1,1,2,2, BY GC/MS	UG/KG	5000	U							4200	U
SV28 CHLOROBENZENE, BY GC/MS	UG/KG	5000	U							4200	U
SV29 ETHYL BENZENE, BY GC/MS	UG/KG	34000								17000	
SV30 ACETONE, BY GC/MS	UG/KG	19000	U							8400	U
SV31 CARBON DISULFIDE, BY GC/MS	UG/KG	5000	U							4200	U
SV32 METHYL ETHYL KETONE	UG/KG	10000	U							8400	U
SV34 HEXANONE, 2-	UG/KG	10000	U							8400	U
SV35 4-METHYL-2-PENTANONE(MIBK)	UG/KG	10000	U							8400	U
SV36 STYRENE, BY GC/MS	UG/KG	5000	U							4200	U

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	195		196		197			
SG07 SOLIDS, PERCENT	%	97.0		96.8		95.8			
SM01 SILVER, TOTAL, BY ICAP	MG/KG	5.12	U	5.12	U	5.12	U		
SM03 ARSENIC, TOTAL, BY ICAP	MG/KG	7.92	U	7.92	U	7.92	U		
SM04 BARIUM, TOTAL, BY ICAP	MG/KG	1420		2630		1470			
SM06 CADMIUM, TOTAL, BY ICAP	MG/KG	39.6		49.7		75.2			
SM08 CHROMIUM, TOTAL, BY ICAP	MG/KG	1380		853		1460			
SM14 LEAD, TOTAL, BY ICAP	MG/KG	8740		4530		5770			
SM16 SELENIUM, TOTAL, BY ICAP	MG/KG	20.1	U	20.1	U	20.1	U		
SM46 SILVER, TCLP	MG/L	0.0106		0.0100	U	0.0100	U		
SM47 ARSENIC, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U		
SM48 BARIUM, TCLP	MG/L	4.78		4.65		6.81			
SM49 CADMIUM, TCLP	MG/L	0.126		0.0724		0.311			
SM50 CHROMIUM, TCLP	MG/L	0.0100	U	0.0876		3.38			
SM51 LEAD, TCLP	MG/L	0.0867		0.226		0.409			
SM52 SELENIUM, TCLP	MG/L	0.0500	U	0.0500	U	0.0500	U		
ZZ01 SAMPLE NUMBER	NA	195		196		197			
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5		APXX5			

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 7-APXX5 VALIDATED DATA

COMPOUND	UNITS	190		191	192	193	194	
SV38 CARBON TETRACHLORIDE, TCLP	MG/L	0.5	K				0.5	K
SV39 BENZENE, TCLP	MG/L	0.5	K				0.5	K
SV40 CHLOROBENZENE, TCLP	MG/L	100	K				100	K
SV44 DICHLOROBENZENE,1,4-	UG/KG	5000	U				4200	U
SV49 XYLENE, ORTHO	UG/KG	30000					13000	
SV50 DICHLOROETHYLENE,1,1, TCLP	MG/L	0.7	K				0.7	K
SV51 METHYL ETHYL KETONE, TCLP	MG/L	200	K				200	K
SV52 TETRACHLOROETHYLENE, TCLP	MG/L	0.7	K				0.7	K
SV53 TRICHLOROETHYLENE, TCLP	MG/L	0.5	K				0.5	K
SV57 XYLENE, M AND/OR P	UG/KG	110000					62000	
SV60 DICHLOROBENZENE, 1, 3-	UG/KG	5000	U				4200	U
SV61 DICHLOROBENZENE, 1, 2-	UG/KG	5000	U				4200	U
SV63 DICHLOROETHYLENE, CIS -1,2	UG/KG	5000	U				4200	U
ZZ01 SAMPLE NUMBER	NA	190		191	192	193	194	
ZZ02 ACTIVITY CODE	NA	APXX5		APXX5	APXX5	APXX5	APXX5	

ACTIVITY APXX5 R.V. HOPKINS

THE PROJECT LEADER SHOULD CIRCLE ONE - STORET, AIRS, OR ARCHIVE.

CIRCLE ONE: STORET AIRS ARCHIVE

DATA APPROVED BY LABO FOR TRANSMISSION TO PROJECT LEADER ON 06/23/97 16:39:21 BY M C Thomas

ATTACHMENT 7: FIELD SHEETS AND CHAIN-OF-CUSTODY FORMS

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY MONTH YEAR)	SHEET
[illegible]	[illegible]	[illegible]	01 [illegible]

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt other sample numbers etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
A[illegible]5 00		2								X	
01		2								X	
02		2								X	
03		2								X	
04		3			2					X	
05		2								X	
06		2								X	
07		2								X	
08		2			2					X	[illegible]
09		2								X	
10		2								X	
11		2			2					X	[illegible]
12		2								X	
13		2								X	
14		3			2					X	
115		2								X	
16		2								X	
17		2								X	
18		2								X	
19		2								X	
20		2								X	
21		2								X	
22		2								X	
23		2								X	

DESCRIPTION OF SHIPMENT

_____ PIECE(S) CONSISTING OF _____ BOX(ES)

_____ ICE CHEST(S) OTHER _____

MODE OF SHIPMENT

_____ COMMERCIAL CARRIER _____

_____ COURIER

X SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[illegible] SEALED UNSEALED	[illegible]	[illegible]	[illegible] SEALED UNSEALED	[illegible]
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY

7-EPA-9262(Revised 5/85)

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Jim Cadlinski	R. V. Hopkins Inc.	06 / 05 / 87	2 of 4

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt other sample numbers etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
APXX5124		2								X	
125		2								X	
126		3			2					X	Liquid
127		2								X	
128		2								X	
129		2								X	
130		3			2					X	
131		2								X	
132		2								X	
133		2								X	
134		3			2					X	Liquid
135		2								X	
136		2								X	
137		2								X	
138		2								X	
139		2								X	
140		2								X	
141		3			2					X	
142		2								X	
143		2								X	
144		2								X	
145		2								X	
146		2								X	
147		2								X	

DESCRIPTION OF SHIPMENT

____ PIECE(S) CONSISTING OF ____ BOX(ES)

____ ICE CHEST(S), OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER ____

____ COURIER

✓ SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[illegible] SEALED UNSEALED	5/1/92	[illegible]	Diane Sandrucci SEALED UNSEALED	[illegible]
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY

7-EPA-9262(Revised 5/85)

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
[illegible] Kudlinski	R.V. Hopkins Inc	01 / 02 / 97	3 of 5

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt other sample numbers etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
4AX 15148		2								X	
149		2								X	
150		2								X	
151		2								X	
152		2								X	
153		2								X	
154		2								X	
155		2								X	
156		2								X	
157		2								X	
158		2								X	
159		2								X	
160		2								X	
2 161		2			2					X	[illegible] + AH [illegible]
162		2								X	
163		2								X	
164		2								X	
165		2								X	
166		2								X	
167		2								X	
168		2								X	
169		2								X	
170		3			2					X	
171		2								X	

DESCRIPTION OF SHIPMENT	MODE OF SHIPMENT
____ PIECE(S) CONSISTING OF ____ BOX(ES)	____ COMMERCIAL CARRIER ____
____ ICE CHEST(S) OTHER ____	____ COURIER
	X SAMPLER CONVEYED (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[illegible] SEALED UNSEALED	[illegible]	[illegible]	[illegible] SEALED UNSEALED	[illegible]
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY

7-EPA-9262(Revised 5/85)

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
[illegible]	[illegible]	[illegible]	[illegible] of [illegible]

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt other sample numbers etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
4P.15.172		2:								X	
173		3:			2:					X	
174		2:								X	
175		2:								X	
176		2:								X	
177		2:			2:					X	
178					2					X	
179					2:					X	
180		2:									
181		2:								X	
182		2:								X	
183		2:								X	
184		2:								X	
185		2:								X	
186		2:								X	
187		2:								X	
188		2:								X	
189		2:								X	
190		3:			2:					X	
191		2:								X	
192		2:								X	
193		2:								X	
194		3:			2:					X	
195		2:								X	

DESCRIPTION OF SHIPMENT	MODE OF SHIPMENT
____ PIECE(S) CONSISTING OF ____ BOX(ES)	____ COMMERCIAL CARRIER ____
____ ICE CHEST(S) OTHER ____	____ COURIER
	X SAMPLER CONVEYED ____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[illegible] SEALED UNSEALED	[illegible]	[illegible]	[illegible] SEALED UNSEALED	[illegible]
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY SEALED UNSEALED	DATE	TIME	RECEIVED BY SEALED UNSEALED	REASON FOR CHANGE OF CUSTODY

7-EPA-9262(Revised 5/85)

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
[illegible]	R.V. [illegible]	[illegible]	[illegible] of [illegible]

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS-OTHER INFORMATION (condition of samples upon receipt other sample numbers etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
[illegible]		2								1	
[illegible]		2								1	
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											
[illegible]											

DESCRIPTION OF SHIPMENT

[illegible] PIECE(S) CONSISTING OF _____ BOX(ES)

1 ICE CHEST(S) OTHER _____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER _____

____ COURIER

X SAMPLER CONVEYED _____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[illegible] SEALED UNSEALED	[illegible]	[illegible]	[illegible] SEALED UNSEALED	[illegible]
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 100 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A006 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 10:35 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (8C07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS (SM34)
		S92	Total Metals (SM38)

Total + TCLP

MERCURY HAS NOT BEEN REQUESTED ON

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT: Entire activity

Black 55 gal OT drum. Full of dk. brown solid (soil-like)

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 101 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A013 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 10:40 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

Add (8C07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED
(Total (SM31) + TCLP (SM58))

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

Rusted 55 gal OT drum. Full of brown solid (soil-like).

SAMPLE COLLECTED BY : JC/JG/JE

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 102 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 P LONGITUDE: __ __ __

SAMPLE DES: A018

LOCATION: IA

CASE/BATCH/SMO: / /

STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/16/97	10:45	NORTH:
			DOWN:

Add (SC07)% solids

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

↳ Total (SM3D) + TCLP (SMS8

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55 gal OT drum.
Brown soil/slag solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 103 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A025 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 10:50 NORTH:
STORET/AIRS NO: DOWN:

Add (SC07) % solids

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS (Total or TCLP)
		392	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55-gal OT drum.
Brown, fine ash-like solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 104 QCC: _ MEDIA: ~~SOIL~~ Haz. Waste PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A033

LOCATION: _____ IA

CASE/BATCH/SMO: ___/_/___ LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/6/97	10:55	NORTH:
			DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		~~S19~~	~~TCLP METALS~~
		~~Dup~~	~~Total Metals~~

HF01 - pH Soil
HG 22 - flash
H01 - Volatiles
H07 - TCLP Volatiles

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Black/grey solid/slag.

Black 55 gal OT drum.

(H05) TCLP Metals - Haz.

(H06) Total of TCLP Meta Haz.

Delete = HM58 (TCLP Hg)
HM34 (total Hg)

SAMPLE COLLECTED BY : JC / JG / JF

D. FT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 105 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A034 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 11:00 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: [redacted] (8007)% [redacted]

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS

MERCURY HAS NOT BEEN REQUESTED

S92 Total Metals

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

grey/black sandy solid.

~~Black~~ white 55 gal OT drum.
(mt)

SAMPLE COLLECTED BY : JC/JG/JF

L FT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 106 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A040 DATE TIME FROM REF PT
LOCATION: IA BEG: / / __:__ EAST: ____
CASE/BATCH/SMO: / / LAB: ___ END: 5/6/97 11:05 NORTH: ____
STORET/AIRS NO: ____ DOWN: ____

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal DT drum.
Black/brown soil/slag-like solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 107 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A045 DATE TIME FROM REF PT
LOCATION: IA BEG: / / __:__ EAST: ____
CASE/BATCH/SMO: / / LAB: ___ END: 5/6/97 11:05 NORTH: ____
STORET/AIRS NO: ____ DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (SC07)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal OT drum.

Black soil-like solid.

SAMPLE COLLECTED BY : JC JG/JF

LIQUID

D. .FT FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 108 QCC: _ MEDIA: ~~SOIL~~ Hazwaste PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A050 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 6/6/97 11:10 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:
CONTAINER PRESERVATIVE MGP NAME
GLASS S19 TCLP METALS
S92 Total Metals

Delete

H01 - Volatiles (Hazwaste)
H07 - TCLP Volatiles
- flash/flam HG2
HF01 - pH - hazwaste

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55gal OT drum.
Black sludge + liquid (75/25).

Hg TCLP Metals - H05
Hg. Total Metals - H06

Delete HM58 - TCLP Hg
HM34 - Total Hg

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 109 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A068 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 11:15 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		592	Total Metals

Add (SC07)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusty 55-gal OT drum
Black/gray soil-like solid.

IW Sticker: RV Hopkins
MD # IAD022096028
Burned Ash
acc. startdate - blank

SAMPLE COLLECTED BY : JC/JG/JF

D T

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 110 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A071 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 11:20 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SOOT)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	TCLP Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusty 55-gal OT drum. (Black lid)
Black/brown soil-like solid.

SAMPLE COLLECTED BY : JC/JG/JF

LIQUID

D. .FT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 111 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A078 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 12:40 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S02	Total Metals

Delete

HO7 - TCLP Volatiles
H01 - Volatiles
HG22 - flash
HF01 - pH - hazwaste

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted blue 55 gal OT drum.

Dark Brown liquid + fine solid.

Haz. TCLP Metals (HO5)
Haz. Total Metals (HO6)

Delete = HM58 (TCLP Hg)
HM34 (total Hg)

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 112 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A085

LOCATION: IA

CASE/BATCH/SMO: / /

STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/6/97	12:45	NORTH:
			DOWN:

ANALYSIS REQUESTED: Add (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		592	Total metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Orange 55 gal. OT drum.

Black/Brown soil-like solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 113 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A086 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 12:50 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (SC07)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusty white 55 gal OT drum.

Black/grey clay-like soild.

fw/label: R.V Hopkins

MD# IA D 022096023

st. date. 11/29/96

D006, D008

SAMPLE COLLECTED BY : JC/JA/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 114 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A090 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 12:55 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S12	Total Metals

delete

H07 - TCLP Volatiles
H01 - Volatiles
HG22 - flam/flash
~~3623~~ HF01 - pH - Soil

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

Brown soil-like solid + some liquid.
Black 55 gal OT drum.

HW Sticker: R.V. Hopkins
MD# IA 0022096023
acc. start date: 11/29/96
D006, D008
Burned Ash

(H05) TCLP Metals (Hg)
(H06) Total Metals (Hg)

Delete = HM58 (TCLP Hg)
HM34 (Total Hg)

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 115 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A114 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:00 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (S007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		372	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

grey/white 55 gal DT drum

Black/grey solid + liquid (80/20).

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 116 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A128 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/16/97 13:05 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Blue 55gal OT drum. (White Lid)

Dark brown sludgy solid.

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

.NVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 117 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A205 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:10 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (S007) & solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55 gal OT drum.

Grey Ash.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 118 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A194 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:10 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55 gal OT drum.

Brown/black soil-like solid.

SAMPLE COLLECTED BY : JI | JG | JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 119 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A191 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:15 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S72	Total Metals

Add (SC07)% solids

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal DT drum, white lid.

Medium-fine grey/brown solid.

SAMPLE COLLECTED BY : JC / JG / JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 120 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A186 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:15 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S12	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 gal OT drum, rusty top.

Black slag solid.

HW stick: R.V Hopkins

MO# IAD022096028

acc Start date: 11/29/96

Burner Ash

SAMPLE COLLECTED BY : JC / JG / JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 121 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A184 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST: ____

CASE/BATCH/SMO: / / LAB: ___ END: 5/6/97 13:18 NORTH: ____

STORET/AIRS NO: ____ DOWN: ____

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		J92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Black 55 gal OT drum, white top.

Brown/black sludgy solid.

SAMPLE COLLECTED BY : JC/JG/VF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 122 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A179 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:20 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black (dented) 55gal OT drum.

Fine grey/black solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 123 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A1757 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:20 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

AA (8007)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55 gal DT drum.

black/gray solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 124 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A173 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 15:25 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S72	Total Metals

Add (8C07)% SOLIDS

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55 gal OT drum.

grey sandy solid.

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 125 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ . __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ . __

SAMPLE DES: A168 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:25 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total metals

Add (SG07)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 gal OT drum.

Brown/black/gray sludgy solid.

SAMPLE COLLECTED BY : JC/JG/JF

LIQUID

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 126 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A165
LOCATION: IA
CASE/BATCH/SMO: __/__/__ LAB: __
STORET/AIRS NO: ____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ____
END:	5/6/97	13:30	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		619	TCLP METALS
		592	Total Metals

Delete.

HF01 - pH
H07 TCLP Volatiles
(m4) ~~SV~~ H01 (volatiles - hazwaste)
~~[illegible]~~ ~~[illegible]~~ (m7)
HG22 flash/flam - H.W.

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal OT drum.
White solid/viscous liquid.

Haz. TCLP Metals (H05)
Haz. Total metals (H06)

Delete: HM58 (TCLP Hg)
HM34 (total Hg)

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 127 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A154 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:30 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 gal OT drum.

Brown/black soil-like solid.

tw sticker: RV Hopkins
IA0022096028
acc. st. date 3/10/95
D006, D008
Burner Ash

SAMPLE COLLECTED BY : JC/JG/JP

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 128 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A152 DATE TIME FROM REF PT

LOCATION: _____ IA BEG: __/__/__ __:__ EAST: ____

CASE/BATCH/SMO: ____/__/____ LAB: ___ END: __/__/__ 13:32 NORTH: ____

STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (3007)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55 gal OT drum.

grey/black sandy solid.

SAMPLE COLLECTED BY : JC / JG / JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 129 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A148 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:34 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55-gal DT drum.

Dark gray fine solid.

tW sticker: RV Hopkins (label torn + partly off)

MD #

Start date — blank

Burn ash

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 130 QCC: _ MEDIA: ~~SOIL~~ Haz. Waste PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A143

LOCATION: IA

CASE/BATCH/SMO: __/__/__ LAB: __

STORET/AIRS NO: ____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ____
END:	5/6/97	13:35	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME	
GLASS		~~S19~~	TCLP METALS	delete
		~~S92~~	total metals	

(H07) TCLP volatiles

(H01) Volatiles

~~SG23 HFDN - Soil Haz.~~

HG22 Flash - Haz WSt

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

(HF01) pH = Haz.

White 55 gal OT drum.

(H05) Haz. TCLP Metals

Grey, slaggy solid.

(H06) Haz. total Metals

HW label: R.V. Hopkins

acc. start date 2/19/97

D006, D008

Burner Ash

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 131 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A141 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:36 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusty 55 gal OT drum.

Brown soil/slag solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 132 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A252 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:38 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	total metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 gal OT drum, black lid.

Black/gray slag.

SAMPLE COLLECTED BY : C|JF|JG

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 133 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A211 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 ~~1:47~~ NORTH:
STORET/AIRS NO: 1340 DOWN:

ANALYSIS REQUESTED: M7

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (8007)% solids

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Black 55 gal OT drum.

Brown/black soil-like solid.

4W sticker: R.V Hopkins

Acc. Start date: 11/29/96

D006, D008

Burner Ash

SAMPLE COLLECTED BY : JC/JG/JF

LIQUID

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD, KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 134 QCC: _ MEDIA: ~~SOIL~~ Haz waste PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A394 DATE TIME FROM REF PT
LOCATION: IA BEG: __/__/__ __:__ EAST: ____
CASE/BATCH/SMO: __/__/__ LAB: ___ END: 5/6/97 13:42 NORTH: ____
STORET/AIRS NO: ____ DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

delete

(H07) = TCLP VOC:
(H04) = Volatiles - hazwaste
HF01 - PH - hazwaste
HG22 - flash

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Black 55 gal OT drum.

White viscous liquid + slude (75/25)

(H05) Haz. TCLP Metals
(H06) Haz. total Metals

Delete: HM58 (TCLP Hg)
HM34 (total Hg)

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 135 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A391 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:34 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		592	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal Drum (or).

Black/brown soil-like solid.

HW Sticker: R.V. Hopkins

acc. Sticker: 2/19/97

Burn Ash D006, D008

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 136 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A388

LOCATION: IA

CASE/BATCH/SMO: / /

STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT	
BEG:	/ /	:	EAST:	
END:	5/6/97	13:45	NORTH:	
			DOWN:	

ANALYSIS REQUESTED: Add (8C07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal DT drum,

Brown soil-like solid.

HW Sticker: R.V. Hopkins

Acc St date: 2/19/97

D006, D008

Burn Ash

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 137 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS
LOCATION: DAVENPORT IA PROJECT NUM: L30

REF PT: LATITUDE: __ __ __
LONGITUDE: __ __ __

SAMPLE DES: A385
LOCATION: IA
CASE/BATCH/SMO: / /
STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT	
BEG:	/ /	:	EAST:	
END:	5/6/97	13:46	NORTH:	
			DOWN:	

ANALYSIS REQUESTED:

Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Green 55 gal OT drum

Brown - soil-like solid.

HW Sticker: R.V Hopkins

Ac. St Date: 2/19/97

D006, D008

Burnt Ash

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 138 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A382 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:46 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		(S92)	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 gal OT drum

Brown slag solid.

HW Sticker: R.V. Hopkins

Ac. St. Date: 12/28/96

D006, D008

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 139 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A376 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:47 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (8007)% moisture

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Red 55 gal OT drum, rusty top.

Brown/black solid.

HW Sticker: R.V. Hopkins

Acc St Date - blank
D006, D008
Burner Ash

SAMPLE COLLECTED BY : JC/JF/JG

L .FT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 140 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A372 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:50 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Green 55 gal OT drum.
Black soil/slag.

SAMPLE COLLECTED BY : JC/NG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 141 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A371 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:50 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		$10	TCLP METALS
		~~H02~~	~~Total Metals~~

Delete

H07 - TCLP VOCs
H01 - Volatiles
H08 - pH ~~Sort~~ Hg
HG22 - flash/flam

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal DT drum.

Brown oily solid.

HW sticker: R.V. Hopkins

Acc St. Date: 12/28/96
D006, D008
Burner Ash

(H05) Haz. TCLP Metals
(H06) Haz. total metals

Delete: HM 58 (TCLP Hg)
HM 34 (Total Hg)

SAMPLE COLLECTED BY : JC NGUF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 142 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: 4364

LOCATION: IA

CASE/BATCH/SMO: / / LAB: ___

STORET/AIRS NO: ____

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST: ____
END:	5/6/97	13:52	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED: Add (3007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted, dented 55 gal OT drum.

Fine grey solid (ash).

SAMPLE COLLECTED BY : JC/JF/JG

L. .FT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 143 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A 362 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:53 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (SG07)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 gal OT drum.

Grey/black sandy solid.

SAMPLE COLLECTED BY : JC/JG/JF

FT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

97 ACTNO: APXX5 SAMNO: 144 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

PLE DES: A359 DATE TIME FROM REF PT

ATION: IA BEG: / / : EAST:

E/BATCH/SMO: / / LAB: END: 5/6/97 13:55 NORTH:

RET/AIRS NO: DOWN:

LYSIS REQUESTED:

TAINER	PRESERVATIVE	MGP	NAME
SS		S19	TCLP METALS
		S92	Total Metals

Add (SC07)% Solids

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal drum, green lid.

Black/grey slag / solid.

MPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 145 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A 348 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 13:58 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME	Add (SG07)% solids
GLASS		S19	TCLP METALS	
		S92	Total Metals	

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55g OTD.

Brown/black slag/solid

AMPLE COLLECTED BY : JC/JG/JF

FT FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

97 ACTNO: APXX5 SAMNO: 146 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

PLE DES: A345 DATE TIME FROM REF PT
ATION: IA BEG: __/__/__ __:__ EAST: ____
E/BATCH/SMO: ____/__/____ LAB: ___ END: 5/6/97 14:00 NORTH: ____
RET/AIRS NO: ____ DOWN: ____

LYSIS REQUESTED: Add (SG07)% solids

TAINER	PRESERVATIVE	MGP	NAME
SS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55gal OTD.

black/grey solid + liquid (90/10)

MPLE COLLECTED BY : JC/JH/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 147 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A340 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/16/97 14:02 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Blue 55 gal OTD.

Dark gray fine solid (ash).

Non-Regulated Waste Sticker
R.V. Hopkins
2/16/94
Dust

SAMPLE COLLECTED BY : JC/JG/JF

T FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
NVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

97 ACTNO: APXX5 SAMNO: 148 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

VITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
TION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

LE DES: A337 DATE TIME FROM REF PT
TION: IA BEG: / / : EAST:
/BATCH/SMO: / / LAB: END: 5/6/97 14:05 NORTH:
ET/AIRS NO: DOWN:

YSIS REQUESTED: Add (8C07)% [illegible]
AINER PRESERVATIVE MGP NAME
S S19 TCLP METALS
S92 Total Metals

ENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black/rusted SS 8oz OT drum.

Black soil-like solid.

MPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 149 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A462 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 14:03 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

Add (8C07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Black SSG OTD.

Brown/black slag.

SAMPLE COLLECTED BY : JC/JF/JG

FT FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

97 ACTNO: APXX5 SAMNO: 150 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

PLE DES: A468 DATE TIME FROM REF PT
ATION: IA BEG: / / : EAST:
E/BATCH/SMO: / / LAB: END: 5/6/97 14:04 NORTH:
RET/AIRS NO: DOWN:

Add (8C07)% solids

LYSIS REQUESTED:

TAINER	PRESERVATIVE	MGP	NAME
SS		S19	TCLP METALS
		S92	Total metals

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

Grey SSG OTD.

Red/brown sludge.

W
ckn: R.V. Hopkins

acc start date:
12/28/96

D006, D008 Burn Ash

MPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 151 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A473
LOCATION: IA
CASE/BATCH/SMO: __/__/__ LAB: __
STORET/AIRS NO: ____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ____
END:	5/6/97	14:05	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED:

Add (8G07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S72	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White/rusted 55G OTD.

brown/red sludge.

4 w Sticker: R.V. Hopkins

acc start date: 12/28/~~97~~ 96 (mt)

D006, D008 Burner Ash

SAMPLE COLLECTED BY : JC/JF/JG

FT FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

---

97 ACTNO: APXX5 SAMNO: 152 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

PLE DES: A476 DATE TIME FROM REF PT
ATION: IA BEG: __/__/__ __:__ EAST: ____
E/BATCH/SMO: __/__/__ LAB: ___ END: 5/6/97 14:07 NORTH: ____
RET/AIRS NO: ____ DOWN: ____

LYSIS REQUESTED: Add (S[illegible]7)[illegible]

TAINER	PRESERVATIVE	MGP	NAME
SS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55G OTD, blue lid.

Grey slag.

J Sticker. R.V. Hopkins

Start Date:
2/19/97

D006 D008 - Burner Ash

MPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 153 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A478

LOCATION: _____ IA

CASE/BATCH/SMO: ___/___/___ LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ____
END:	5/6/97	14:08	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

[illegible] (8007)S 001143

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black, dented 55G OTD.

Black/brown sludge.

-W Sticker: R.V Hopkins

Acc St. Date:

12/28/96

D006, D008 - Burner Ash

SAMPLE COLLECTED BY : JC/JG/JF

FT FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

97 ACTNO: APXX5 SAMNO: 154 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

PLE DES: A485 DATE TIME FROM REF PT
ATION: IA BEG: __/__/__ __:__ EAST: ____
E/BATCH/SMO: ____/__/____ LAB: ___ END: 5/6/97 14:10 NORTH: ____
RET/AIRS NO: ____ DOWN: ____

LYSIS REQUESTED:

TAINER	PRESERVATIVE	MGP	NAME
SS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55G OTD.

Grey slag + liquid (70/30)

W. Sticker &
R.V. Hopkins
St. Date: 2/19/97

MPLE COLLECTED BY : JC/JG/JP

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 155 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A488 DATE TIME FROM REF PT
LOCATION: IA BEG: __/__/__ __:__ EAST: ____
CASE/BATCH/SMO: ____/__/____ LAB: ___ END: 5/6/97 14:10 NORTH: ____
STORET/AIRS NO: ____ DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (S007)X solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusty, white 55gal OTD.

Gray/black slaggy solid.

SAMPLE COLLECTED BY : JC/JF/JG

FT FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

97 ACTNO: APXX5 SAMNO: 156 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

PLE DES: A496 DATE TIME FROM REF PT
ATION: IA BEG: / / : EAST:
E/BATCH/SMO: / / LAB: END: 5/6/97 14:12 NORTH:
RET/AIRS NO: DOWN:

Add (8007)% solids

LYSIS REQUESTED:

TAINER	PRESERVATIVE	MGP	NAME
SS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

[redacted]

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

Rusty 55gal OTD.

lack/brown soil-like solid.

HW sticker R.V. Hopkins
Acc Start Date. 3/3/95
D006, D008
Burner itsh

MPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 157 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A501
LOCATION: IA
CASE/BATCH/SMO: / /
STORET/AIRS NO:

LAB: ___

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/6/97	14:12	NORTH:
			DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (8C07)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 G OTD.

Brown/black soil/slag.

SAMPLE COLLECTED BY : JC/JG/JF

.FT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

97 ACTNO: APXX5 SAMNO: 158 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

'IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
:ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

:PLE DES: A503 DATE TIME FROM REF PT
'ATION: IA BEG: / / __:__ EAST: ____
:E/BATCH/SMO: / / LAB: ___ END: 5/6/97 14:15 NORTH: ____
)RET/AIRS NO: ____ DOWN: ____

.LYSIS REQUESTED:
'TAINER PRESERVATIVE MGP NAME
.SS S19 TCLP METALS
S92 Total Metals

IMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted SSG ORD.
Black/brown/gray slag.
HW Sticker: R. V. Hopkins
ACC St Date: 3/20/95
D008
Burner Ash

.MPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 159 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A508 DATE TIME FROM REF PT
LOCATION: _____ IA BEG: __/__/__ __:__ EAST: ____
CASE/BATCH/SMO: ____/__/____ LAB: ___ END: 5/6/97 14:30 NORTH: ____
STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Ed (2007)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55gal OTD.

Brown/black slag/soil.

SAMPLE COLLECTED BY : JC/JG/JF

\FT FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

97 ACTNO: APXX5 SAMNO: 160 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

IVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
ATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

IPLE DES: ~~m7 A154~~ A514 DATE TIME FROM REF PT
ATION: IA BEG: __/__/__ __:__ EAST: ____
E/BATCH/SMO: ____/__/____ LAB: ___ END: 5/6/97 14:32 NORTH: ____
RET/AIRS NO: _____ DOWN: ____

LYSIS REQUESTED:
TAINER PRESERVATIVE MGP NAME
SS S19 TCLP METALS
S92 Total Metals

'dd (8007)% solids

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55 gal OTD.

Black/brown soil-like solid.

MPLE COLLECTED BY : JC/JG/JF

LIQUID

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 161 QCC: _ MEDIA: ~~SOIL~~ Haz. Waste PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: m7 ~~A158~~ A518
LOCATION: IA
CASE/BATCH/SMO: ___/___/___ LAB: ___
STORET/AIRS NO: ___

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ___
END:	5/6/97	14:35	NORTH: ___
			DOWN: ___

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

delete

H07 → TCLP - VOAS
HG22 flashpoint
VOAs - hazwaste
m7 ~~SV~~ H01 HF01 = PH Haz

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Black 55 gal OTD ; yellow lid.

red brown fine solid + ~~water~~ m7 (liquid) (75% liquid)

(H05) Haz. TCLP Metals
(H06) Haz total Metals

Delete. HM58 (TCLP Hg)
HM34 (Total Hg)

SAMPLE COLLECTED BY : JC / JG / JF

AFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

: 97 ACTNO: APXX5 SAMNO: 162 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

TIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
CATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

MPLE DES: ~~A152~~ A521 DATE TIME FROM REF PT
CATION: IA BEG: / / : EAST:
GE/BATCH/SMO: / / LAB: END: 5/6/99 14:36 NORTH:
DRET/AIRS NO: DOWN:

ALYSIS REQUESTED:

NTAINER	PRESERVATIVE	MGP	NAME
ASS		S19	TCLP METALS
		592	Total Metals

Add (8007)% solids

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55 gal OTD.

Brown/black slag.

MPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 163 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A529 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 14:58 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

'dd (SG07)% sol[illegible]

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55G OTD.

Black Sludge + liquid

SAMPLE COLLECTED BY : JC/JG/JF

AFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

: 97 ACTNO: APXX5 SAMNO: 164 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

TIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
CATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

MPLE DES: A535 DATE TIME FROM REF PT
CATION: IA BEG: / / : EAST:
SE/BATCH/SMO: / / LAB: END: 5/6/97 1505 NORTH:
ORET/AIRS NO: DOWN:

ALYSIS REQUESTED:

TAINER	PRESERVATIVE	MGP	NAME
ASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

MENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55G OTD.
Red/brown sludge.

MPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 165 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A542 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 15:25 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		592	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Green 55 G OTD.

Brown/black sludgy solid.

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 166 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A545 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 1540 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: d (SC07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Yellow 55 gal OTD.

red/black sludge

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 167 QCC: _ **MEDIA:** SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA **PROJECT NUM:** L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A 558 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / **LAB:** END: 5/6/97 15:15 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: '14 (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55G DTD
brown/orange solid.

SAMPLE COLLECTED BY : JC/JG/JP

DRAFT FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 168 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: (m+) ~~A546~~ A564 DATE TIME FROM REF PT

LOCATION: _____ IA BEG: __/__/__ __:__ EAST: ____

CASE/BATCH/SMO: ____/__/____ LAB: ___ END: 5/6/97 13:26 NORTH: ____

STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED: 3d (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black SSG OTO.

Grey/black slag.

SAMPLE COLLECTED BY : JC/JH/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 169 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A623 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 15:30 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55G OTD.
Black/brown soil/slag.

HW Label: R.V Hopkins
St. date. 4/8/95
D006. D008
Burner Ash

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 170 QCC: _ MEDIA: ~~SOIL~~ Haz Waste PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A604

LOCATION: IA

CASE/BATCH/SMO: __/__/__ LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ___
END:	5/6/97	15:32	NORTH: ___
			DOWN: ___

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
Glass 40ml (2)		S92	Total Metals
		SV	VOCs

delete

Haz. VOCs (HO1) H07 = TCLP VOA

(HF01) pH ~~SG23~~ (HF01) ~~pH~~

Flashpoint (HG22)

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 ga. OT metal drum of brown sludge

Haz. TCLP Metals (H05)

Haz. Total Metals (H06)

Delete. HM58 (TCLP Hg)

HM34 (Total Hg)

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 171 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A590 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 15:35 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
Glass		S92	Total metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55ga. OT metal green drum of liq. saturated black ash

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 172 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A 5860 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 15:42 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		592	total metals

Add (8007)% moisture

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal. OT Black drum of liq. Sat. ash

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 173 QCC: _ MEDIA: ~~SOIL~~ Haz. Waste PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A584

LOCATION: _____ IA

CASE/BATCH/SMO: ___/___/___ LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/6/97	15:42	NORTH:
			DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		~~S19~~	~~TCLP METALS~~
		~~S72~~	~~Total Metals~~
		~~SW~~	~~VOCs~~

delete

Volatiles (H01)

TCLP VOCs H07

pH (HF01) ~~[illegible]~~

Flashpoint HG-22

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: ___ OPERABLE UNIT: ___

Black 55gm OT metal drum of black soil/ash

Haz. TCLP Metals (H05)

Haz. Total Metals (H06)

Delete: HM58 (TCLP Hg)

HM34 (Total Hg)

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 174 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A430 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 16:35 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (8007)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Red 55G OTD.
Black sludgy soil.

SAMPLE COLLECTED BY : JC/JFW6

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 175 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A398 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 14:40 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		592	Total Metals

Add (8007)S

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black SSG OTD.
Grey/black soil.

SAMPLE COLLECTED BY : JC/JFLG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 176 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A609

LOCATION: IA

CASE/BATCH/SMO: / /

STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/6/97	16:45	NORTH:
			DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		392	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Rusted 55G OTD.

Black/gray sandy solid.

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 177 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A319

LOCATION: _____ IA

CASE/BATCH/SMO: ___/___/___ LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ___
END:	5/6/97	16:50	NORTH: ___
			DOWN: ___

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		~~S19~~	~~TCLP METALS~~
		~~S92~~	~~total metals~~

~~407 TCLP volatiles~~ delete

~~S1 volatiles~~ See Below

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black 55 gal OTD.

Dark brown ~~fine solid.~~ sludge (mt)

(SV) VOAs

(S23) TCLP VOAs

(S19) TCLP metals

(S92) total metals

MERCURY HAS NOT BEEN REQUESTED

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 178 QCC: _ MEDIA: ~~SEDL~~ Soil PLT: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A066 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/6/97 12:10 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		~~S19~~	~~TCLP METALS~~
		~~S0~~	~~SV - Volatiles~~

analyze as a solid

(S23) ~~for~~ - TCLP Volatiles

(SV) VOA

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Black SSG OTD.

Black/gray soil-like.

add % solids

MERCURY HAS NOT BEEN REQUESTED

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 179 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: A231 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/6/97 12:13 NORTH:
STORET/AIRS NO: DOWN:

Analyze as a solid

ANALYSIS REQUESTED:
CONTAINER PRESERVATIVE MGP NAME
GLASS ~~819 TCLP METALS~~ - TCLP Volatiles (S2
SV - Volatiles

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

White 55gal OTD.

Brown/black solid.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 180 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: WP1 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/7/97 09:00 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Surface
Waste pile #1. North of trailer #3. (7 aliquots)
Grey/black soil/ash.

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 181 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: WP2

LOCATION: IA

CASE/BATCH/SMO: __/__/__ LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ____
END:	5/7/97	09:05	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

add (SC07)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

Surface

Waste pile #2 West of trailers #1 and #2. (6 aliquots)

Black/grey soil/ash.

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 182 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: D076

LOCATION: IA

CASE/BATCH/SMO: / /

STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/7/97	02:00	NORTH:
			DOWN:

ANALYSIS REQUESTED:

Add (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD. (Burnhouse Dust Area)

Grey Dust.

SAMPLE COLLECTED BY : JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 183 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: mF ~~D081~~ mF ~~D013~~ D081 DATE TIME FROM REF PT

LOCATION: _____ IA BEG: __/__/__ __:__ EAST: ____

CASE/BATCH/SMO: ____/__/____ LAB: ___ END: 5/7/97 09:03 NORTH: ____

STORET/AIRS NO: _____ DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (SC07)3 solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 Gal DTD.

D081 is correct [illegible] mF4

Grey dust

SAMPLE COLLECTED BY : JG/JF

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 184 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: D002 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/2/97 09:06 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD.

Grey dirt.

SAMPLE COLLECTED BY : JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 185 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: D099

LOCATION: _____ IA

CASE/BATCH/SMO: ___/___/___ LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT
BEG:	__/__/__	__:__	EAST: ____
END:	5/2/92	09:09	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

44 (0007)2 solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD,

Grey dust.

SAMPLE COLLECTED BY : JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 186 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: N134 DATE TIME FROM REF PT

LOCATION: IA BEG: / / : EAST:

CASE/BATCH/SMO: / / LAB: END: 5/2/97 09:12 NORTH:

STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

55gal DTD.

Grey dust.

SAMPLE COLLECTED BY : JG/JF/JC

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 187 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: D180 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/7/92 09:15 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S72	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

55 gal OTD
Fly ash.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 188 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LATITUDE: __ __ __

SAMPLE DES: D165

LOCATION: IA

CASE/BATCH/SMO: / /

STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/2/92	02:18	NORTH:
			DOWN:

ANALYSIS REQUESTED:

Add (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 G OTD.

Guy ash.

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 189 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: P038 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/7/97 09:20 NORTH:
STORET/AIRS NO: DOWN:

Add (8007)% solids

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS MERCURY HAS NOT BEEN REQUESTED
		S92	Total metals

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD.

Grey dust.

SAMPLE COLLECTED BY : JC/JFN6

DRAFT

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 190 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: D071 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/2/97 09:35 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

SV - VOC's (Soil)
[redacted] - TCLP VOCs (S23
~~SG23 - Soil pH~~
~~SG22 - Flash/Flam~~

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

55 gal OTD.

Grey dust.

pH-Soil = SG23
flashpoint > SG22

Add (8007)% solids

MERCURY HAS NOT BEEN REQUESTED

SAMPLE COLLECTED BY : JC/JF/JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 191 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: B083 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/7/97 10:30 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED: Add (8007)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER: OPERABLE UNIT:

55 g. OTD.

Grey dust.

SAMPLE COLLECTED BY : JC / JF / JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 192 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: B091

LOCATION: IA

CASE/BATCH/SMO: / / LAB: ___

STORET/AIRS NO: _____

	DATE	TIME	FROM REF PT	
BEG:	/ /	:	EAST:	
END:	5/7/97	10:35	NORTH:	
			DOWN:	

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD.

grey dust

SAMPLE COLLECTED BY : JC/JF/JG

L. .FT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 193 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: B008 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/2/95 10:40 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55g. OTD

Greydust

SAMPLE COLLECTED BY : JC/JG/JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 194 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS
LOCATION: DAVENPORT IA PROJECT NUM: L30

REF PT: LATITUDE: __ __ __
LONGITUDE: __ __ __

SAMPLE DES: B024
LOCATION: IA
CASE/BATCH/SMO: / /
STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/7/97	10:45	NORTH:
			DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

VOA (SV)
TCLP VOAs (S23)

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD
Grey dust

(Soil) pH = SG23
Flashpoint = SG22

Add [illegible]

MERCURY HAS NOT [illegible]

SAMPLE COLLECTED BY : JC / JG / JF

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 195 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: B055
LOCATION: IA
CASE/BATCH/SMO: / /
STORET/AIRS NO:
LAB:

	DATE	TIME	FROM REF PT	
BEG:	/ /	:	EAST:	
END:	5/2/97	10:50	NORTH:	
			DOWN:	

ANALYSIS REQUESTED: Add (SG07)% solids

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD
Grey dust.

SAMPLE COLLECTED BY : JC / JG / JF

DRAFT

FIELD SHEET

U.S. ENVIRCNMENTAL PROTECTION AGENCY, REGION VII

ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 196 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __

LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: B124

LOCATION: IA

CASE/BATCH/SMO: / /

STORET/AIRS NO:

LAB:

	DATE	TIME	FROM REF PT
BEG:	/ /	:	EAST:
END:	5/7/97	10:55	NORTH:
			DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metals

Add (8007)% solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD

Grey dust

SAMPLE COLLECTED BY : JC / JF / JG

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 97 ACTNO: APXX5 SAMNO: 197 QCC: _ MEDIA: SOIL PL: KUDLINSKI, JIM

ACTIVITY DES: R.V. HOPKINS REF LATITUDE: __ __ __
LOCATION: DAVENPORT IA PROJECT NUM: L30 PT: LONGITUDE: __ __ __

SAMPLE DES: B151 DATE TIME FROM REF PT
LOCATION: IA BEG: / / : EAST:
CASE/BATCH/SMO: / / LAB: END: 5/7/97 11:00 NORTH:
STORET/AIRS NO: DOWN:

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
GLASS		S19	TCLP METALS
		S92	Total Metal

Add (S007) % solids

MERCURY HAS NOT BEEN REQUESTED

COMMENTS: FOR SUPERFUND ONLY: SUBSITE IDENTIFIER:___ OPERABLE UNIT:___

55 gal OTD

Grey dust

SAMPLE COLLECTED BY : JC/JG/JF

SUPERFUND REMOVAL SITE EVALUATION
and
REMOVAL PRELIMINARY ASSESSMENT

I. SITE NAME AND LOCATION:

NAME: R.V. Hopkins, Inc.

ADDRESS OR OTHER LOCATION IDENTIFIER: 743 Schmidt Road

CITY: Davenport	**STATE:** IA	**ZIP:** 52800

DIRECTIONS TO SITE: From I-80 go south on I-280 to US 61, proceed east on 61 (West River Drive) to Schmidt Road. Go north on Schmidt to the site on the right (east) side of the street.

MAP ATTACHED: see attachment 1 with the assessment report.

II. PROGRAM CONTACTS:

REQUESTED BY: Jim Kudlinski	**DATE OF REQUEST:** 4/2/97

AGENCY/OFFICE: Region 7 Environmental Protection Agency/Emergency Response and Removal Branch

MAILING ADDRESS: 726 Minnesota

CITY: Kansas City	**STATE:** KS	**ZIP:** 66101
TELEPHONE: (913) 551- 7909	**FAX:** (913) 551- 7948	

EVALUATOR: Rick Claytor

AGENCY/OFFICE: Ecology & Environment, Inc./Superfund Technical Assessment and Response Team

MAILING ADDRESS: 6405 Metcalf, Cloverleaf Building #3, Suite 404

CITY: Overland Park	**STATE:** KS	**ZIP:** 66202
TELEPHONE: (913) 432-9961	**FAX:** (913) 432-0670	

III. REMOVAL SITE EVALUATION CRITERIA [40 CFR 300.410(e)]

IS THERE A RELEASE AS DEFINED BY THE NCP: **YES** X **or NO** _

EXPLAIN: The material contained in drums and lying on liners on the ground that were sampled during the last site assessment pose a threat of release. Samples collected from the drums have identified flash points of 45 and 50°C and TCLP waste characteristics for lead(up to 126 mg/L) and trichloroethylene (2.5 mg/L) and MEK (270 mg/L). Prior investigations have documented releases of organic and inorganic contaminates to surface soils, on and off the property. The presence of contaminants has also been documented in ground water and the cuttings produced during the monitor well drilling process.

(A RELEASE is defined as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust emissions; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release.)

IS THE SOURCE A FACILITY OR VESSEL AS DEFINED BY THE NCP: **YES** X **or NO** _

EXPLAIN: The facility is an active drum recycling operation.

(A FACILITY is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or POTW), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel. A VESSEL is defined as any description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel.)

SUPERFUND REMOVAL SITE EVALUATION
and
REMOVAL PRELIMINARY ASSESSMENT

III. REMOVAL SITE EVALUATION CRITERIA [40 CFR 300.410(e)](continued):

DOES THE RELEASE INVOLVE A HAZARDOUS SUBSTANCE, OR POLLUTANT OR CONTAMINANT AS DEFINED BY THE NCP: **YES X or NO _**

EXPLAIN: Elevated levels of lead, chromium and cobalt are present in on-site soils. Concentations as high as 8.4 ppm were reported for phenol and Endrin in surface soils. Samples collected from some of the drums of waste contain RCRA hazardous waste,with TCLP lead values as high as 126 mg/L. Some drums also containing materials having flash points <60° C. Contaminants were also identified in ground water samples collected from momitor wells installed on the site.

(A HAZARDOUS SUBSTANCE means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the CWA, CERCLA, SDWA, CAA or TSCA. The term does not include petroleum products, natural gas, natural gas liquids, liquified natural gas, synthetic gas or mixtures of natural and synthetic gas. The definition of POLLUTANT or CONTAMINANT includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disea se, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions or physical deformations, in such organisms or their offspring. The term does not include petroleum products, natural gas, natural gas liquids, liquified natural gas, synthetic gas or mixtures of natural and synthetic gas.)

IS THE RELEASE SUBJECT TO THE LIMITATIONS ON RESPONSE: **YES _ or NO X**

EXPLAIN: The site is not subject to any known limitations on response.

(The LIMITATIONS ON RESPONSE provisions of the NCP (40 CFR 300.400(B) states that removals shall not be undertaken in response to a release: of a naturally occurring substance in its unaltered or natural form; from products that are a part of the structure of, and result in exposure within, residential buildings or business or community structures; or into public or private drinking water supplies due to deterioration of the system through ordinary use.)

DOES THE QUANTITY OR CONCENTRATION WARRANT RESPONSE: **YES X or NO _**

EXPLAIN: The quanty of drumed waste is not known. However, at least 1,313 drums were observed on the siteduring the last site visit in May 1997. Twenty-five of the 96 drums that were sampled contained RCRA hazardous waste. TCLP lead as high as126 mg/L, TCLP MEK at 270 mg/L and two drums with flash points of less than 60° C.

HAS A PRP BEEN IDENTIFIED: **YES X or NO _**

EXPLAIN: The current owner, R. V. Hopkins, is operating the facility.

IV. CONDITIONS TO WARRANT REMOVAL [40 CFR 300.415(b)(2)]:

ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES, OR POLLUTANTS, OR CONTAMINANTS: **YES X or NO**

EXPLAIN: Elevated levels of lead and chromium have been identified in the soil on the site. RCRA hazardous waste has been identified in drums currently held at the facility.

ACTUAL OR POTENTIAL CONTAMINATION OF DRINKING WATER SUPPLIES: **YES X or NO _**

EXPLAIN: The site is located on the 10-year floodplain of the Mississippi River so the potential for transport of contaminated materials during a flood is high. Contaminantes have been detected in the ground water onsite as well as the sediments of the monitoring well borings. The sediments at the 10 to17 foot depth show the highest levels of contamination as well as the highest number of contaminants. Some of the contaminants appear to have migrated to the alluvial aquifer.

SUPERFUND REMOVAL SITE EVALUATION
and
REMOVAL PRELIMINARY ASSESSMENT

IV. CONDITIONS TO WARRANT REMOVAL [40 CFR 300.415(b)(2)] (continued):

HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS, BARRELS, OR BULK STORAGE CONTAINERS: YES X or NO _

EXPLAIN: The most recent inventory identified 1,313 drums of waste held at the site.

HIGH LEVELS OF HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN NEAR-SURFACE SOILS: YES X or NO _

EXPLAIN: Sample results indicate elevated concentrations of lead, chromium and cobalt in surface soils. Waste piles located on plastic sheeting failed TCLP for lead. On and off site soils were found to contain elevated concentrations of organic contaminants. Concentrations of 8.4 ppm were reported for phenol and Endrin from on-site site soil samples.

CONDITIONS SUSCEPTIBLE TO IMPACT FROM ADVERSE WEATHER CONDITIONS: YES X or NO _

EXPLAIN: The drumed waste is stored outside, making them subject to weathering and the potential for release. The site is located in the 10-year floodplain of the Mississippi River, making it susceptable to flooding.

THREAT OF FIRE OR EXPLOSION: YES X or NO _

EXPLAIN: Sampling results indicated that some of the drums contain flamable material, with flash pionts of less than 60°C. The process involves moving the drums through a flame to clean and prepare for repainting, consequently the threat of fire is present.

POTENTIAL FOR OTHER FEDERAL OR STATE RESPONSE MECHANISMS: YES X or NO _

EXPLAIN: The site is an active drum recycling facility and is operating under a RCRA permit; the characteristic waste is in violation of RCRA.

OTHER SITUATIONS OR FACTORS WHICH POSE A THREAT: YES X or NO _

EXPLAIN: Past investigations have identified that the property was formerly a quarry and the open pit has been filled with demolition debris and other unidentified fill material. A portion of the quarry was partially filled with acetylene production wastes and other fill material from an off site location.

SUPERFUND REMOVAL SITE EVALUATION
and
REMOVAL PRELIMINARY ASSESSMENT

V. POTENTIAL REMOVAL ACTIONS [40 CFR 300.415(d)]:

(NOTE: The following identifies potential removal actions which may be determined to be appropriate pending further review and study. The proposed actions should be considered preliminary proposals and are subject to change.)

SITE SECURITY: YES _X_ or NO _

EXPLAIN: The facility is fenced and not readily accessible to the public.

STABILIZATION OR REMOVAL OF SURFACE IMPOUNDMENTS: YES _X_ or NO _

EXPLAIN: The stockpiled material should be removed from the site.

CAPPING OF CONTAMINATED SOIL: YES _ or NO _X_

EXPLAIN: The volume of contaminated soil is unknown, but the the proximity to the river and the threat to ground water would not allow capping as an option.

USE OF CHEMICALS TO CONTROL/RETARD SPREAD OF CONTAMINATION: YES _ or NO _X_

EXPLAIN: The site location and depth to ground water would minimize the use of chemicals to control the spread of contamination at this site.

CONTAMINATED SOIL EXCAVATION: YES _X_ or NO _

EXPLAIN: Results of soil samples indicate elevated concentrations of inorganic and organic contaminants. If not removed, there is the potential for ground water contamination and direct contact exposure.

REMOVAL OF DRUMS, TANKS, OR BULK STORAGE CONTAINERS: YES _X_ or NO _

EXPLAIN: Approximately 1,300 drums were identified as containing waste at the facility. Some of the drums contain RCRA characteristic waste and there is a threat of release, because the drums are staged outside.

CONTAINMENT, TREATMENT, OR DISPOSAL OF HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS: YES _X_ or NO _

EXPLAIN: Hazardous substances/contaminants exsist in drums and soil on the site and could be contained and removed from the site and disposed.

PROVIDE ALTERNATIVE WATER SUPPLIES: YES _ or NO _X_

EXPLAIN: No drinking water samples have been collected or analyzed. Although the ground water may be impacted by the site, it is unlikely that there are any drinking water wells in close proximity to the site. Davenport is served by a municipal system which derives its water from the Mississippi River at an intake upstream of the site.

SUPERFUND REMOVAL SITE EVALUATION
and
REMOVAL PRELIMINARY ASSESSMENT

VI. REMOVAL SITE EVALUATION DETERMINATION AND REMOVAL PRELIMINARY ASSESSMENT FINDINGS AND RECOMMENDATIONS:

	REMOVAL NOT WARRANTED - REMOVAL SITE EVALUATION TERMINATED

(Cite one or more of the criteria from SECTION III. **REMOVAL SITE EVALUATION CRITERIA**, as the basis for the above determination.)

		NOT A RELEASE		NOT A FACILITY OR VESSEL
		NOT A HAZARDOUS SUBSTANCE OR POLLUTANT OR CONTAMINANT		SUBJECT TO RESPONSE LIMITATIONS
		INSUFFICIENT QUANTITY OR CONCENTRATION		WILLING/CAPABLE PRP IDENTIFIED

COMMENT:

X	**REMOVAL RECOMMENDED**	[__ EMERGENCY	_X_ TIME-CRITICAL	__ NON-TIME-CRITICAL]

(Cite one or more of the conditions or factors from Section IV. **CONDITIONS TO WARRANT A REMOVAL ACTION**, as a basis for recommending that a removal action be conducted.)

	X	EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS OR CONTAMINANTS			X	ADVERSE WEATHER IMPACTS
		CONTAMINATED DRINKING WATER	X	FIRE/EXPLOSION THREAT	X	CONTAMINATED SOIL
	X	DRUMS, BARRELS OR CONTAINERS		NO OTHER RESPONSE MECHANISM	X	OTHER FACTORS

(Identify one or more of the removal actions listed in Section V. **REMOVAL ACTIONS WHICH MAY BE APPROPRIATE**, as examples of the types of response actions which are recommended.)

		SITE SECURITY	X	DRAINAGE CONTROL	X	IMPOUNDMENT STABILIZATION
	X	REMOVAL OF DRUMS, BARRELS, ETC.		SOIL CAPPING	X	SOIL EXCAVATION
	X	CONTAIN/TREAT/DISPOSE OF WASTES		CHEMICAL CONTROLS		ALT. DRINKING WATER SUPPLIES

COMMENT: Approximately 1,300 drums of process waste are held at the facility. Limited sampling identified that there are RCRA characteristic wastes on site. Additionally, soil and ground water contamination has been documented. The drums and soil should be removed from the site, reducing the threat to the public health and environment. The exact quanties of drummed materials and contaminated soil has not been determined.

SUPERFUND REMOVAL SITE EVALUATION
and
REMOVAL PRELIMINARY ASSESSMENT

VI. REMOVAL SITE EVALUATION DETERMINATION AND REMOVAL PRELIMINARY ASSESSMENT FINDINGS AND RECOMMENDATIONS (continued):

	ADDITIONAL REMOVAL SITE EVALUATION RECOMMENDED

(Cite one or more of the conditions or factors from Section IV. **CONDITIONS TO WARRANT A REMOVAL ACTION**, as a basis for recommending that additional site evaluation be performed.)

	X	EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS OR CONTAMINANTS			X	ADVERSE WEATHER IMPACTS
		CONTAMINATED DRINKING WATER	X	FIRE/EXPLOSION THREAT	X	CONTAMINATED SOIL
	X	DRUMS, BARRELS OR CONTAINERS		NO OTHER RESPONSE MECHANISM	X	OTHER FACTORS

(Identify one or more of the removal actions listed in Section V. **REMOVAL ACTIONS WHICH MAY BE APPROPRIATE**, as examples of the types of response actions which may be appropriate pending the results of further site evaluation.)

		SITE SECURITY	X	DRAINAGE CONTROL	X	IMPOUNDMENT STABILIZATION
	X	REMOVAL OF DRUMS, BARRELS, ETC		SOIL CAPPING	X	SOIL EXCAVATION
	X	CONTAIN/TREAT/DISPOSE OF WASTE		CHEMICAL CONTROLS		ALTERNATIVE DRINKING WATER SUPPLIES

COMMENT: Because the contents of all 1,313 drums have not been characterized, additional sampling will be required. Additional sampling will also be required to determine the amount of contaminated soil and to determine whether any buried material remains on site that may be subject to removal.

VII. ADDITIONAL INFORMATION OR COMMENTS

EPA USE ONLY

VIII. CERTIFICATION

SIGNATURE: _____ _____

DATE

POSITION/TITLE:

OFFICE/AGENCY:

SUPERFUND REMOVAL SITE EVALUATION
and
REMOVAL PRELIMINARY ASSESSMENT
(Supplemental Waste Inventory Sheet)

IX. HAZARDOUS SUBSTANCES, POLLUTANTS OR CONTAMINANT INFORMATION:

MATERIAL DESCRIPTION	CONTAINER INFORMATION					
TRADE NAME/ACTIVE INGREDIENTS	NUMBER of CONTAINERS	SIZE	TYPE	SOLID or LIQUID	% FULL	CONDITION