KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527349

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-1
Collector: RANDY BROWN
Date/Time Collected: 03/31/09 14:40

Matrix: Soil Collect Depth: .5
Date/Time Received: 04/08/09 08:19

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	10000	mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Arsenic (Total)	9.9	mg/Kg	04/27/09	EPA 6010
Barium (Total)	220	mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10	mg/Kg	04/27/09	EPA 6010
Boron (Total)	13	mg/Kg	04/27/09	EPA 6010
Cadmium (Total)	3.2	mg/Kg	04/27/09	EPA 6010
Calcium (Total)	65000	mg/Kg	04/27/09	EPA 6010
Chromium (Total)	30	mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	6.5	mg/Kg	04/27/09	EPA 6010
Copper (Total)	37	mg/Kg	04/27/09	EPA 6010
Iron (Total)	16000	mg/Kg	04/27/09	EPA 6010
Lead (Total)	730	mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	5100	mg/Kg	04/27/09	EPA 6010
Manganese (Total)	400	mg/Kg	04/27/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/27/09	EPA 6010
Nickel (Total)	16	mg/Kg	04/27/09	EPA 6010
Percent Solids	82	Percent	04/10/09	EPA 1311
Potassium (Total)	2200	mg/Kg	04/27/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Silica (Total)	3500	mg/Kg	04/27/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/27/09	EPA 6010
Sodium (Total)	200	mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	26	mg/Kg	04/27/09	EPA 6010
Zinc (Total)	190	mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/29/09
Copies To: File

< - Not Detected at Indicated Level
* - Holding Time Exceeded

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Laboratory Customer Service - (785) 296-1620
Laboratory Fax - (785) 296-1641
CLIA No. 17D0648254

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN: RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527343

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-2
Collector: RANDY BROWN
Matrix: Soil
Collect Depth: 0.5
Date/Time Collected: 03/31/09 14:45
Date/Time Received: 04/08/09 08:17

Sample Comments:

Parameter	Analytical Result		Units	Analysis Date	Analytical Method
Aluminum (Total)	11000		mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Arsenic (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Arsenic (Total)	8.5		mg/Kg	04/27/09	EPA 6010
Barium (TCLP)	1.4		mg/L	04/23/09	EPA 1311
Barium (Total)	210		mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10		mg/Kg	04/27/09	EPA 6010
Boron (Total)	17		mg/Kg	04/27/09	EPA 6010
Cadmium (TCLP)	0.0077		mg/L	04/23/09	EPA 1311
Cadmium (Total)	1.4		mg/Kg	04/27/09	EPA 6010
Calcium (Total)	58000		mg/Kg	04/27/09	EPA 6010
Chromium (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Chromium (Total)	31		mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	6.2		mg/Kg	04/27/09	EPA 6010
Copper (Total)	35		mg/Kg	04/27/09	EPA 6010
Iron (Total)	15000		mg/Kg	04/27/09	EPA 6010
Lead (TCLP)	1.4		mg/L	04/23/09	EPA 1311
Lead (Total)	1800		mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	5300		mg/Kg	04/27/09	EPA 6010
Manganese (Total)	380		mg/Kg	04/27/09	EPA 6010
Mercury (TCLP)	< 0.00050	*	mg/L	04/29/09	EPA 1311
Mercury (Total)	< 0.050		mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0		mg/Kg	04/27/09	EPA 6010
Nickel (Total)	17		mg/Kg	04/27/09	EPA 6010
Percent Solids	74		Percent	04/10/09	EPA 1311
Potassium (Total)	2200		mg/Kg	04/27/09	EPA 6010
Selenium (TCLP)	0.071		mg/L	04/23/09	EPA 1311
Selenium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Silica (Total)	3000		mg/Kg	04/27/09	EPA 6010
Silver (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Silver (Total)	< 1.0		mg/Kg	04/27/09	EPA 6010
Sodium (Total)	180		mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	29		mg/Kg	04/27/09	EPA 6010
Zinc (Total)	290		mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 05/01/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN: RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527341

Site ID: 4EM80
Account Code: EP

Collection Location: KANSAS OXIDE CS-3
Collector: RANDY BROWN
Matrix: Soil
Collect Depth: 0.5
Date/Time Collected: 03/31/09 14:50
Date/Time Received: 04/08/09 08:17

Sample Comments:

Parameter	Analytical Result		Units	Analysis Date	Analytical Method
Aluminum (Total)	9400		mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Arsenic (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Arsenic (Total)	13		mg/Kg	04/27/09	EPA 6010
Barium (TCLP)	1.4		mg/L	04/23/09	EPA 1311
Barium (Total)	220		mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10		mg/Kg	04/27/09	EPA 6010
Boron (Total)	12		mg/Kg	04/27/09	EPA 6010
Cadmium (TCLP)	0.057		mg/L	04/23/09	EPA 1311
Cadmium (Total)	5.3		mg/Kg	04/27/09	EPA 6010
Calcium (Total)	29000		mg/Kg	04/27/09	EPA 6010
Chromium (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Chromium (Total)	20		mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	5.7		mg/Kg	04/27/09	EPA 6010
Copper (Total)	30		mg/Kg	04/27/09	EPA 6010
Iron (Total)	13000		mg/Kg	04/27/09	EPA 6010
Lead (TCLP)	22		mg/L	04/23/09	EPA 1311
Lead (Total)	8000		mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	5400		mg/Kg	04/27/09	EPA 6010
Manganese (Total)	320		mg/Kg	04/27/09	EPA 6010
Mercury (TCLP)	< 0.00050	*	mg/L	04/29/09	EPA 1311
Mercury (Total)	< 0.050		mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0		mg/Kg	04/27/09	EPA 6010
Nickel (Total)	15		mg/Kg	04/27/09	EPA 6010
Percent Solids	75		Percent	04/10/09	EPA 1311
Potassium (Total)	2100		mg/Kg	04/27/09	EPA 6010
Selenium (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Selenium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Silica (Total)	3300		mg/Kg	04/27/09	EPA 6010
Silver (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Silver (Total)	< 1.0		mg/Kg	04/27/09	EPA 6010
Sodium (Total)	230		mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	25		mg/Kg	04/27/09	EPA 6010
Zinc (Total)	810		mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 05/01/09
Copies To: File

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Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN: RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527345

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-4
Collector: RANDY BROWN
Matrix: Soil
Collect Depth: 0.5
Date/Time Collected: 03/31/09 15:00
Date/Time Received: 04/08/09 08:18

Sample Comments:

Parameter	Analytical Result		Units	Analysis Date	Analytical Method
Aluminum (Total)	8700		mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Arsenic (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Arsenic (Total)	9.5		mg/Kg	04/27/09	EPA 6010
Barium (TCLP)	1.6		mg/L	04/23/09	EPA 1311
Barium (Total)	230		mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10		mg/Kg	04/27/09	EPA 6010
Boron (Total)	9.9		mg/Kg	04/27/09	EPA 6010
Cadmium (TCLP)	0.032		mg/L	04/23/09	EPA 1311
Cadmium (Total)	12		mg/Kg	04/27/09	EPA 6010
Calcium (Total)	27000		mg/Kg	04/27/09	EPA 6010
Chromium (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Chromium (Total)	19		mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	5.6		mg/Kg	04/27/09	EPA 6010
Copper (Total)	23		mg/Kg	04/27/09	EPA 6010
Iron (Total)	13000		mg/Kg	04/27/09	EPA 6010
Lead (TCLP)	9.8		mg/L	04/23/09	EPA 1311
Lead (Total)	2500		mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	5000		mg/Kg	04/27/09	EPA 6010
Manganese (Total)	310		mg/Kg	04/27/09	EPA 6010
Mercury (TCLP)	< 0.00050	*	mg/L	04/29/09	EPA 1311
Mercury (Total)	< 0.050		mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0		mg/Kg	04/27/09	EPA 6010
Nickel (Total)	14		mg/Kg	04/27/09	EPA 6010
Percent Solids	78		Percent	04/10/09	EPA 1311
Potassium (Total)	2000		mg/Kg	04/27/09	EPA 6010
Selenium (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Selenium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Silica (Total)	3300		mg/Kg	04/27/09	EPA 6010
Silver (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Silver (Total)	< 1.0		mg/Kg	04/27/09	EPA 6010
Sodium (Total)	120		mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	24		mg/Kg	04/27/09	EPA 6010
Zinc (Total)	270		mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 05/01/09
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Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527348

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-5
Collector: RANDY BROWN
Date/Time Collected: 03/31/09 15:05

Matrix: Soil Collect Depth: .5
Date/Time Received: 04/08/09 08:19

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	18000	mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Arsenic (Total)	11	mg/Kg	04/27/09	EPA 6010
Barium (Total)	270	mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	0.13	mg/Kg	04/27/09	EPA 6010
Boron (Total)	14	mg/Kg	04/27/09	EPA 6010
Cadmium (Total)	1.1	mg/Kg	04/27/09	EPA 6010
Calcium (Total)	15000	mg/Kg	04/27/09	EPA 6010
Chromium (Total)	25	mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	8.2	mg/Kg	04/27/09	EPA 6010
Copper (Total)	25	mg/Kg	04/27/09	EPA 6010
Iron (Total)	20000	mg/Kg	04/27/09	EPA 6010
Lead (Total)	280	mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	6100	mg/Kg	04/27/09	EPA 6010
Manganese (Total)	550	mg/Kg	04/27/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/27/09	EPA 6010
Nickel (Total)	22	mg/Kg	04/27/09	EPA 6010
Percent Solids	76	Percent	04/10/09	EPA 1311
Potassium (Total)	3600	mg/Kg	04/27/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Silica (Total)	3700	mg/Kg	04/27/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/27/09	EPA 6010
Sodium (Total)	160	mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	40	mg/Kg	04/27/09	EPA 6010
Zinc (Total)	97	mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/29/09
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Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN: RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527346

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-6
Collector: RANDY BROWN
Matrix: Soil Collect Depth: 0.5
Date/Time Collected: 03/31/09 15:10
Date/Time Received: 04/08/09 08:19

Sample Comments:

Parameter	Analytical Result		Units	Analysis Date	Analytical Method
Aluminum (Total)	9400		mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Arsenic (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Arsenic (Total)	8.0		mg/Kg	04/27/09	EPA 6010
Barium (TCLP)	1.7		mg/L	04/23/09	EPA 1311
Barium (Total)	230		mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10		mg/Kg	04/27/09	EPA 6010
Boron (Total)	9.6		mg/Kg	04/27/09	EPA 6010
Cadmium (TCLP)	0.038		mg/L	04/23/09	EPA 1311
Cadmium (Total)	11		mg/Kg	04/27/09	EPA 6010
Calcium (Total)	23000		mg/Kg	04/27/09	EPA 6010
Chromium (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Chromium (Total)	20		mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	5.7		mg/Kg	04/27/09	EPA 6010
Copper (Total)	22		mg/Kg	04/27/09	EPA 6010
Iron (Total)	14000		mg/Kg	04/27/09	EPA 6010
Lead (TCLP)	11		mg/L	04/23/09	EPA 1311
Lead (Total)	3500		mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	4700		mg/Kg	04/27/09	EPA 6010
Manganese (Total)	320		mg/Kg	04/27/09	EPA 6010
Mercury (TCLP)	< 0.00050	*	mg/L	04/29/09	EPA 1311
Mercury (Total)	< 0.050		mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0		mg/Kg	04/27/09	EPA 6010
Nickel (Total)	15		mg/Kg	04/27/09	EPA 6010
Percent Solids	79		Percent	04/10/09	EPA 1311
Potassium (Total)	2100		mg/Kg	04/27/09	EPA 6010
Selenium (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Selenium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Silica (Total)	3100		mg/Kg	04/27/09	EPA 6010
Silver (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Silver (Total)	< 1.0		mg/Kg	04/27/09	EPA 6010
Sodium (Total)	140		mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	26		mg/Kg	04/27/09	EPA 6010
Zinc (Total)	290		mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 05/01/09
Copies To: File

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REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN: RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527340

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-7
Collector: RANDY BROWN
Matrix: Soil
Collect Depth: 0.5
Date/Time Collected: 03/31/09 15:15
Date/Time Received: 04/08/09 08:17

Sample Comments:

Parameter	Analytical Result		Units	Analysis Date	Analytical Method
Aluminum (Total)	9800		mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Arsenic (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Arsenic (Total)	9.4		mg/Kg	04/27/09	EPA 6010
Barium (TCLP)	2.0		mg/L	04/23/09	EPA 1311
Barium (Total)	230		mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10		mg/Kg	04/27/09	EPA 6010
Boron (Total)	9.5		mg/Kg	04/27/09	EPA 6010
Cadmium (TCLP)	0.034		mg/L	04/23/09	EPA 1311
Cadmium (Total)	7.4		mg/Kg	04/27/09	EPA 6010
Calcium (Total)	15000		mg/Kg	04/27/09	EPA 6010
Chromium (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Chromium (Total)	22		mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	6.1		mg/Kg	04/27/09	EPA 6010
Copper (Total)	60		mg/Kg	04/27/09	EPA 6010
Iron (Total)	14000		mg/Kg	04/27/09	EPA 6010
Lead (TCLP)	16		mg/L	04/23/09	EPA 1311
Lead (Total)	2100		mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	5200		mg/Kg	04/27/09	EPA 6010
Manganese (Total)	340		mg/Kg	04/27/09	EPA 6010
Mercury (TCLP)	< 0.00050	*	mg/L	04/29/09	EPA 1311
Mercury (Total)	< 0.050		mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0		mg/Kg	04/27/09	EPA 6010
Nickel (Total)	16		mg/Kg	04/27/09	EPA 6010
Percent Solids	77		Percent	04/10/09	EPA 1311
Potassium (Total)	2100		mg/Kg	04/27/09	EPA 6010
Selenium (TCLP)	< 0.050		mg/L	04/23/09	EPA 1311
Selenium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Silica (Total)	3200		mg/Kg	04/27/09	EPA 6010
Silver (TCLP)	< 0.010		mg/L	04/23/09	EPA 1311
Silver (Total)	< 1.0		mg/Kg	04/27/09	EPA 6010
Sodium (Total)	140		mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0		mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	27		mg/Kg	04/27/09	EPA 6010
Zinc (Total)	270		mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 05/01/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527344

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-8
Collector: RANDY BROWN
Matrix: Soil Collect Depth: .5
Date/Time Collected: 03/31/09 15:20
Date/Time Received: 04/08/09 08:18

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	12000	mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Arsenic (Total)	13	mg/Kg	04/27/09	EPA 6010
Barium (Total)	270	mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10	mg/Kg	04/27/09	EPA 6010
Boron (Total)	14	mg/Kg	04/27/09	EPA 6010
Cadmium (Total)	14	mg/Kg	04/27/09	EPA 6010
Calcium (Total)	25000	mg/Kg	04/27/09	EPA 6010
Chromium (Total)	30	mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	6.3	mg/Kg	04/27/09	EPA 6010
Copper (Total)	27	mg/Kg	04/27/09	EPA 6010
Iron (Total)	15000	mg/Kg	04/27/09	EPA 6010
Lead (Total)	980	mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	5300	mg/Kg	04/27/09	EPA 6010
Manganese (Total)	370	mg/Kg	04/27/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/27/09	EPA 6010
Nickel (Total)	17	mg/Kg	04/27/09	EPA 6010
Percent Solids	78	Percent	04/10/09	EPA 1311
Potassium (Total)	2700	mg/Kg	04/27/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Silica (Total)	3300	mg/Kg	04/27/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/27/09	EPA 6010
Sodium (Total)	160	mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	34	mg/Kg	04/27/09	EPA 6010
Zinc (Total)	240	mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/29/09
Copies To: File

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* - Holding Time Exceeded

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527347

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-9
Collector: RANDY BROWN Matrix: Soil Collect Depth: .5
Date/Time Collected: 03/31/09 15:25 Date/Time Received: 04/08/09 08:19

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	10000	mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Arsenic (Total)	20	mg/Kg	04/27/09	EPA 6010
Barium (Total)	260	mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10	mg/Kg	04/27/09	EPA 6010
Boron (Total)	12	mg/Kg	04/27/09	EPA 6010
Cadmium (Total)	1.4	mg/Kg	04/27/09	EPA 6010
Calcium (Total)	56000	mg/Kg	04/27/09	EPA 6010
Chromium (Total)	21	mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	6.2	mg/Kg	04/27/09	EPA 6010
Copper (Total)	21	mg/Kg	04/27/09	EPA 6010
Iron (Total)	14000	mg/Kg	04/27/09	EPA 6010
Lead (Total)	410	mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	6300	mg/Kg	04/27/09	EPA 6010
Manganese (Total)	370	mg/Kg	04/27/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/27/09	EPA 6010
Nickel (Total)	16	mg/Kg	04/27/09	EPA 6010
Percent Solids	80	Percent	04/10/09	EPA 1311
Potassium (Total)	2900	mg/Kg	04/27/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Silica (Total)	3700	mg/Kg	04/27/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/27/09	EPA 6010
Sodium (Total)	170	mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	26	mg/Kg	04/27/09	EPA 6010
Zinc (Total)	140	mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/29/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 527342

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-10
Collector: RANDY BROWN Matrix: Soil Collect Depth: .5
Date/Time Collected: 03/31/09 15:45 Date/Time Received: 04/08/09 08:17

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	15000	mg/Kg	04/27/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Arsenic (Total)	57	mg/Kg	04/27/09	EPA 6010
Barium (Total)	200	mg/Kg	04/27/09	EPA 6010
Beryllium (Total)	< 0.10	mg/Kg	04/27/09	EPA 6010
Boron (Total)	14	mg/Kg	04/27/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/27/09	EPA 6010
Calcium (Total)	41000	mg/Kg	04/27/09	EPA 6010
Chromium (Total)	36	mg/Kg	04/27/09	EPA 6010
Cobalt (Total)	6.5	mg/Kg	04/27/09	EPA 6010
Copper (Total)	34	mg/Kg	04/27/09	EPA 6010
Iron (Total)	15000	mg/Kg	04/27/09	EPA 6010
Lead (Total)	160	mg/Kg	04/27/09	EPA 6010
Magnesium (Total)	4700	mg/Kg	04/27/09	EPA 6010
Manganese (Total)	460	mg/Kg	04/27/09	EPA 6010
Mercury (Total)	0.084	mg/Kg	04/27/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/27/09	EPA 6010
Nickel (Total)	16	mg/Kg	04/27/09	EPA 6010
Percent Solids	75	Percent	04/10/09	EPA 1311
Potassium (Total)	3300	mg/Kg	04/27/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Silica (Total)	3600	mg/Kg	04/27/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/27/09	EPA 6010
Sodium (Total)	190	mg/Kg	04/27/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/27/09	EPA 6010
Vanadium (Total)	33	mg/Kg	04/27/09	EPA 6010
Zinc (Total)	110	mg/Kg	04/27/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/29/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 528692

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-11
Collector: RANDY BROWN
Date/Time Collected: 04/08/09 13:05

Matrix: Soil

Collect Depth: .6
Date/Time Received: 05/11/09 12:10

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	13000	mg/Kg	05/14/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	05/14/09	EPA 6010
Arsenic (Total)	9.0	mg/Kg	05/14/09	EPA 6010
Barium (Total)	300	mg/Kg	05/14/09	EPA 6010
Beryllium (Total)	0.60	mg/Kg	05/14/09	EPA 6010
Boron (Total)	12	mg/Kg	05/14/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	05/14/09	EPA 6010
Calcium (Total)	40000	mg/Kg	05/14/09	EPA 6010
Chromium (Total)	38	mg/Kg	05/14/09	EPA 6010
Cobalt (Total)	7.1	mg/Kg	05/14/09	EPA 6010
Copper (Total)	52	mg/Kg	05/14/09	EPA 6010
Iron (Total)	17000	mg/Kg	05/14/09	EPA 6010
Lead (Total)	170	mg/Kg	05/14/09	EPA 6010
Magnesium (Total)	5400	mg/Kg	05/14/09	EPA 6010
Manganese (Total)	450	mg/Kg	05/14/09	EPA 6010
Molybdenum (Total)	< 2.0	mg/Kg	05/14/09	EPA 6010
Nickel (Total)	19	mg/Kg	05/14/09	EPA 6010
Percent Solids	80	Percent	05/12/09	EPA 1311
Potassium (Total)	3300	mg/Kg	05/14/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	05/14/09	EPA 6010
Silica (Total)	2600	mg/Kg	05/14/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	05/14/09	EPA 6010
Sodium (Total)	160	mg/Kg	05/14/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	05/14/09	EPA 6010
Vanadium (Total)	32	mg/Kg	05/14/09	EPA 6010
Zinc (Total)	180	mg/Kg	05/14/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 05/22/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 528691

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CS-12
Collector: RANDY BROWN
Date/Time Collected: 04/08/09 13:15

Matrix: Soil Collect Depth: .6
Date/Time Received: 05/11/09 12:10

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	6500	mg/Kg	05/14/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	05/14/09	EPA 6010
Arsenic (Total)	8.2	mg/Kg	05/14/09	EPA 6010
Barium (Total)	220	mg/Kg	05/14/09	EPA 6010
Beryllium (Total)	0.25	mg/Kg	05/14/09	EPA 6010
Boron (Total)	12	mg/Kg	05/14/09	EPA 6010
Cadmium (Total)	3.0	mg/Kg	05/14/09	EPA 6010
Calcium (Total)	100000	mg/Kg	05/14/09	EPA 6010
Chromium (Total)	44	mg/Kg	05/14/09	EPA 6010
Cobalt (Total)	4.5	mg/Kg	05/14/09	EPA 6010
Copper (Total)	79	mg/Kg	05/14/09	EPA 6010
Iron (Total)	17000	mg/Kg	05/14/09	EPA 6010
Lead (Total)	580	mg/Kg	05/14/09	EPA 6010
Magnesium (Total)	4600	mg/Kg	05/14/09	EPA 6010
Manganese (Total)	410	mg/Kg	05/14/09	EPA 6010
Molybdenum (Total)	2.2	mg/Kg	05/14/09	EPA 6010
Nickel (Total)	21	mg/Kg	05/14/09	EPA 6010
Percent Solids	83	Percent	05/12/09	EPA 1311
Potassium (Total)	1600	mg/Kg	05/14/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	05/14/09	EPA 6010
Silica (Total)	1200	mg/Kg	05/14/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	05/14/09	EPA 6010
Sodium (Total)	270	mg/Kg	05/14/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	05/14/09	EPA 6010
Vanadium (Total)	19	mg/Kg	05/14/09	EPA 6010
Zinc (Total)	250	mg/Kg	05/14/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 05/22/09
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Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526791

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE BH-1
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 12:15

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:12

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	21000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	14	mg/Kg	04/07/09	EPA 6010
Barium (Total)	480	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.69	mg/Kg	04/07/09	EPA 6010
Boron (Total)	13	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	17000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	35	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	10	mg/Kg	04/07/09	EPA 6010
Copper (Total)	23	mg/Kg	04/07/09	EPA 6010
Iron (Total)	19000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	2600	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	3600	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	640	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	19	mg/Kg	04/07/09	EPA 6010
Percent Solids	77	Percent	03/23/09	EPA 1311
Potassium (Total)	3600	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4100	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	110	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	46	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	210	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526797

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE BH-2
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 12:10

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:16

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	13000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	15	mg/Kg	04/07/09	EPA 6010
Barium (Total)	270	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.83	mg/Kg	04/07/09	EPA 6010
Boron (Total)	8.2	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	4.2	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	34000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	25	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	9.0	mg/Kg	04/07/09	EPA 6010
Copper (Total)	25	mg/Kg	04/07/09	EPA 6010
Iron (Total)	25000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	630	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	3400	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	780	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	15	mg/Kg	04/07/09	EPA 6010
Percent Solids	79	Percent	03/23/09	EPA 1311
Potassium (Total)	2400	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4300	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	120	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	42	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	200	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526794

Site ID: 4EM80
Account Code: EP

Collection Location: KANSAS OXIDE BH-3
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 11:25

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:14

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	17000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	9.9	mg/Kg	04/07/09	EPA 6010
Barium (Total)	240	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.73	mg/Kg	04/07/09	EPA 6010
Boron (Total)	20	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	1.4	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	41000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	47	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	7.6	mg/Kg	04/07/09	EPA 6010
Copper (Total)	37	mg/Kg	04/07/09	EPA 6010
Iron (Total)	19000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	180	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	7100	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	450	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	20	mg/Kg	04/07/09	EPA 6010
Percent Solids	67	Percent	03/23/09	EPA 1311
Potassium (Total)	3800	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4200	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	1000	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	43	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	150	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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* - Holding Time Exceeded

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KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526801

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE BH-4
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 11:30

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:19

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	9300	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	8.3	mg/Kg	04/07/09	EPA 6010
Barium (Total)	200	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.54	mg/Kg	04/07/09	EPA 6010
Boron (Total)	11	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	41000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	44	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	5.6	mg/Kg	04/07/09	EPA 6010
Copper (Total)	27	mg/Kg	04/07/09	EPA 6010
Iron (Total)	13000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	170	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	5600	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	340	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	14	mg/Kg	04/07/09	EPA 6010
Percent Solids	73	Percent	03/23/09	EPA 1311
Potassium (Total)	2500	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	3900	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	230	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	26	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	110	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526798

Site ID: 4EM80
Account Code: EP

Collection Location: KANSAS OXIDE BH-5
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 12:25

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:16

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	12000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	6.9	mg/Kg	04/07/09	EPA 6010
Barium (Total)	160	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.83	mg/Kg	04/07/09	EPA 6010
Boron (Total)	14	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	110000	mg/Kg	04/08/09	EPA 6010
Chromium (Total)	650	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.4	mg/Kg	04/07/09	EPA 6010
Copper (Total)	45	mg/Kg	04/07/09	EPA 6010
Iron (Total)	15000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	120	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	6000	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	420	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	23	mg/Kg	04/07/09	EPA 6010
Percent Solids	67	Percent	03/23/09	EPA 1311
Potassium (Total)	2900	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4300	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	1100	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	27	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	160	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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* - Holding Time Exceeded

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526792

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE D6-1
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 11:15

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:13

Sample Comments:

Parameter	*Analytical Result*	*Units*	*Analysis Date*	*Analytical Method*
Aluminum (Total)	15000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	11	mg/Kg	04/07/09	EPA 6010
Barium (Total)	240	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.72	mg/Kg	04/07/09	EPA 6010
Boron (Total)	14	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	16000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	25	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	8.5	mg/Kg	04/07/09	EPA 6010
Copper (Total)	25	mg/Kg	04/07/09	EPA 6010
Iron (Total)	20000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	23	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	6800	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	540	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	22	mg/Kg	04/07/09	EPA 6010
Percent Solids	75	Percent	03/23/09	EPA 1311
Potassium (Total)	4000	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4500	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	220	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	35	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	82	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526800

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE D6-2
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 11:20

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:18

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	11000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	31	mg/Kg	04/07/09	EPA 6010
Barium (Total)	200	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.59	mg/Kg	04/07/09	EPA 6010
Boron (Total)	10	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	44000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	30	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.2	mg/Kg	04/07/09	EPA 6010
Copper (Total)	26	mg/Kg	04/07/09	EPA 6010
Iron (Total)	15000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	120	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	4900	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	410	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	0.051	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	16	mg/Kg	04/07/09	EPA 6010
Percent Solids	77	Percent	03/23/09	EPA 1311
Potassium (Total)	2500	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4100	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	370	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	27	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	130	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526799

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE F6-1
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 11:00

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:17

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	13000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	8.0	mg/Kg	04/07/09	EPA 6010
Barium (Total)	200	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.66	mg/Kg	04/07/09	EPA 6010
Boron (Total)	14	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	45000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	20	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.5	mg/Kg	04/07/09	EPA 6010
Copper (Total)	20	mg/Kg	04/07/09	EPA 6010
Iron (Total)	16000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	27	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	6100	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	420	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	17	mg/Kg	04/07/09	EPA 6010
Percent Solids	74	Percent	03/23/09	EPA 1311
Potassium (Total)	3400	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4200	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	150	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	31	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	82	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526793

Site ID: 4EM80
Account Code: EP

Collection Location: KANSAS OXIDE F6-2
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 11:05

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:14

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	13000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	6.4	mg/Kg	04/07/09	EPA 6010
Barium (Total)	210	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.58	mg/Kg	04/07/09	EPA 6010
Boron (Total)	14	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	28000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	29	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.4	mg/Kg	04/07/09	EPA 6010
Copper (Total)	30	mg/Kg	04/07/09	EPA 6010
Iron (Total)	15000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	95	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	4700	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	420	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	17	mg/Kg	04/07/09	EPA 6010
Percent Solids	74	Percent	03/23/09	EPA 1311
Potassium (Total)	3000	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4200	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	390	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	32	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	140	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526796

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE F6-3
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 11:10

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:15

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	13000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	8.1	mg/Kg	04/07/09	EPA 6010
Barium (Total)	260	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.68	mg/Kg	04/07/09	EPA 6010
Boron (Total)	16	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	29000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	28	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	7.6	mg/Kg	04/07/09	EPA 6010
Copper (Total)	32	mg/Kg	04/07/09	EPA 6010
Iron (Total)	18000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	110	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	6300	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	520	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	20	mg/Kg	04/07/09	EPA 6010
Percent Solids	70	Percent	03/23/09	EPA 1311
Potassium (Total)	3500	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4700	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	150	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	33	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	250	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526795

Site ID: 4EM80
Account Code: EP

Collection Location: KANSAS OXIDE FT-1
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 10:45

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:15

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	12000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	8.6	mg/Kg	04/07/09	EPA 6010
Barium (Total)	230	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.60	mg/Kg	04/07/09	EPA 6010
Boron (Total)	13	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	29000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	20	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	7.1	mg/Kg	04/07/09	EPA 6010
Copper (Total)	22	mg/Kg	04/07/09	EPA 6010
Iron (Total)	16000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	58	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	6100	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	440	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	18	mg/Kg	04/07/09	EPA 6010
Percent Solids	75	Percent	03/23/09	EPA 1311
Potassium (Total)	3100	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4600	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	190	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	28	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	100	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526802

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE FT-2
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 14:00

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:19

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	9600	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	6.7	mg/Kg	04/07/09	EPA 6010
Barium (Total)	210	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.54	mg/Kg	04/07/09	EPA 6010
Boron (Total)	17	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	36000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	23	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.1	mg/Kg	04/07/09	EPA 6010
Copper (Total)	30	mg/Kg	04/07/09	EPA 6010
Iron (Total)	15000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	140	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	4400	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	400	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/01/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	15	mg/Kg	04/07/09	EPA 6010
Percent Solids	77	Percent	03/23/09	EPA 1311
Potassium (Total)	2300	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4500	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	570	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	23	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	180	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526804

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE FT-3
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 13:50

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:20

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	10000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	8.6	mg/Kg	04/07/09	EPA 6010
Barium (Total)	210	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.51	mg/Kg	04/07/09	EPA 6010
Boron (Total)	8.6	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	18000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	17	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.7	mg/Kg	04/07/09	EPA 6010
Copper (Total)	22	mg/Kg	04/07/09	EPA 6010
Iron (Total)	15000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	46	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	5300	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	390	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/03/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	16	mg/Kg	04/07/09	EPA 6010
Percent Solids	79	Percent	03/24/09	EPA 1311
Potassium (Total)	2900	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4300	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	210	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	25	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	91	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526807

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CH-1
Collector: RANDY BROWN
Date/Time Collected: 03/11/09 07:45

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:22

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	15000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	9.6	mg/Kg	04/07/09	EPA 6010
Barium (Total)	210	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.60	mg/Kg	04/07/09	EPA 6010
Boron (Total)	14	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	12000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	26	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	8.4	mg/Kg	04/07/09	EPA 6010
Copper (Total)	27	mg/Kg	04/07/09	EPA 6010
Iron (Total)	17000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	47	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	3100	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	570	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/03/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	16	mg/Kg	04/07/09	EPA 6010
Percent Solids	73	Percent	03/24/09	EPA 1311
Potassium (Total)	2800	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4000	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	880	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	35	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	98	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526806

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE CH-2
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 16:25

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:22

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	14000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	16	mg/Kg	04/07/09	EPA 6010
Barium (Total)	230	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.63	mg/Kg	04/07/09	EPA 6010
Boron (Total)	11	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	9400	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	44	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	8.9	mg/Kg	04/07/09	EPA 6010
Copper (Total)	30	mg/Kg	04/07/09	EPA 6010
Iron (Total)	17000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	74	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	3400	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	590	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/03/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	19	mg/Kg	04/07/09	EPA 6010
Percent Solids	79	Percent	03/24/09	EPA 1311
Potassium (Total)	2900	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4100	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	120	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	30	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	130	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526803

Site ID: 4EM80
Account Code: EP

Collection Location: KANSAS OXIDE CH-3
Collector: RANDY BROWN
Date/Time Collected: 03/11/09 08:00

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:20

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	3900	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Barium (Total)	53	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.83	mg/Kg	04/07/09	EPA 6010
Boron (Total)	6.5	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	290000	mg/Kg	04/08/09	EPA 6010
Chromium (Total)	11	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	2.3	mg/Kg	04/07/09	EPA 6010
Copper (Total)	13	mg/Kg	04/07/09	EPA 6010
Iron (Total)	5700	mg/Kg	04/07/09	EPA 6010
Lead (Total)	13	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	5000	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	290	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/03/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	7.2	mg/Kg	04/07/09	EPA 6010
Percent Solids	86	Percent	03/23/09	EPA 1311
Potassium (Total)	930	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	3500	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	180	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	9.8	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	74	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526809

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE DO-1
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 13:20

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:23

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	14000	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	6.6	mg/Kg	04/07/09	EPA 6010
Barium (Total)	140	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.57	mg/Kg	04/07/09	EPA 6010
Boron (Total)	9.4	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	29000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	20	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.0	mg/Kg	04/07/09	EPA 6010
Copper (Total)	19	mg/Kg	04/07/09	EPA 6010
Iron (Total)	14000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	38	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	3200	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	340	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/03/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	13	mg/Kg	04/07/09	EPA 6010
Percent Solids	78	Percent	03/24/09	EPA 1311
Potassium (Total)	2700	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4100	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	190	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	27	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	110	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526808

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE DO-2
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 13:35

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:23

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	9500	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	7.1	mg/Kg	04/07/09	EPA 6010
Barium (Total)	200	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.48	mg/Kg	04/07/09	EPA 6010
Boron (Total)	7.7	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	17000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	16	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	6.2	mg/Kg	04/07/09	EPA 6010
Copper (Total)	17	mg/Kg	04/07/09	EPA 6010
Iron (Total)	14000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	48	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	4700	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	340	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/03/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	15	mg/Kg	04/07/09	EPA 6010
Percent Solids	78	Percent	03/24/09	EPA 1311
Potassium (Total)	2700	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4200	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	470	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	24	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	88	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
Copies To: File

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* - Holding Time Exceeded

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KANSAS HEALTH AND ENVIRONMENTAL LABORATORIES
Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526805

Site ID: 4EM80
Account Code: EP

Collection Location: KANSAS OXIDE DO-3
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 13:30

Matrix: Soil Collect Depth: .5
Date/Time Received: 03/23/09 07:21

Sample Comments:

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum (Total)	6200	mg/Kg	04/07/09	EPA 6010
Antimony (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Arsenic (Total)	5.8	mg/Kg	04/07/09	EPA 6010
Barium (Total)	170	mg/Kg	04/07/09	EPA 6010
Beryllium (Total)	0.35	mg/Kg	04/07/09	EPA 6010
Boron (Total)	5.8	mg/Kg	04/07/09	EPA 6010
Cadmium (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Calcium (Total)	16000	mg/Kg	04/07/09	EPA 6010
Chromium (Total)	11	mg/Kg	04/07/09	EPA 6010
Cobalt (Total)	5.0	mg/Kg	04/07/09	EPA 6010
Copper (Total)	12	mg/Kg	04/07/09	EPA 6010
Iron (Total)	11000	mg/Kg	04/07/09	EPA 6010
Lead (Total)	15	mg/Kg	04/07/09	EPA 6010
Magnesium (Total)	3800	mg/Kg	04/07/09	EPA 6010
Manganese (Total)	240	mg/Kg	04/07/09	EPA 6010
Mercury (Total)	< 0.050	mg/Kg	04/03/09	EPA 245.1
Molybdenum (Total)	< 2.0	mg/Kg	04/07/09	EPA 6010
Nickel (Total)	13	mg/Kg	04/07/09	EPA 6010
Percent Solids	79	Percent	03/24/09	EPA 1311
Potassium (Total)	1700	mg/Kg	04/07/09	EPA 6010
Selenium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Silica (Total)	4000	mg/Kg	04/07/09	EPA 6010
Silver (Total)	< 1.0	mg/Kg	04/07/09	EPA 6010
Sodium (Total)	440	mg/Kg	04/07/09	EPA 6010
Thallium (Total)	< 5.0	mg/Kg	04/07/09	EPA 6010
Vanadium (Total)	18	mg/Kg	04/07/09	EPA 6010
Zinc (Total)	54	mg/Kg	04/07/09	EPA 6010

Analytical Comments:
Results for total metals are expressed on a dry weight basis.

Reporting Analyst: JAB
Date Reported: 04/21/09
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Kansas Department of Health and Environment
Forbes Field, Bldg. 740, Topeka, Kansas 66620-0001

REPORT OF ANALYSIS

INORGANIC CHEMISTRY

Report To: BUREAU OF ENV. REMEDIATION
ATTN RANDY BROWN
CURTIS SOB, SUITE 410
TOPEKA KS 66612

Analysis Code: PT Lab Number: 526810

4EM80
Site ID:
Account Code: EP

Collection Location: KANSAS OXIDE RINSE
Collector: RANDY BROWN
Date/Time Collected: 03/10/09 12:15

Matrix: Water Collect Depth: .5
Date/Time Received: 03/23/09 07:24

Sample Comments: NITRIC ACID PRESERVED

Parameter	Analytical Result	Units	Analysis Date	Analytical Method
Aluminum	0.34	mg/L	04/15/09	EPA 200.7
Antimony	< 0.050	mg/L	04/15/09	EPA 200.7
Arsenic	< 0.050	mg/L	04/15/09	EPA 200.7
Barium	< 0.020	mg/L	04/15/09	EPA 200.7
Beryllium	< 0.0010	mg/L	04/15/09	EPA 200.7
Boron	< 0.050	mg/L	04/15/09	EPA 200.7
Cadmium	< 0.0050	mg/L	04/15/09	EPA 200.7
Calcium	0.30	mg/L	04/15/09	EPA 200.7
Chromium	< 0.010	mg/L	04/15/09	EPA 200.7
Cobalt	< 0.010	mg/L	04/15/09	EPA 200.7
Copper	< 0.010	mg/L	04/15/09	EPA 200.7
Iron	0.27	mg/L	04/15/09	EPA 200.7
Lead	< 0.050	mg/L	04/15/09	EPA 200.7
Magnesium	0.076	mg/L	04/15/09	EPA 200.7
Manganese	0.0062	mg/L	04/15/09	EPA 200.7
Mercury	< 0.50	ug/L	04/03/09	EPA 245.1
Molybdenum	< 0.020	mg/L	04/15/09	EPA 200.7
Nickel	< 0.050	mg/L	04/15/09	EPA 200.7
Potassium	1.0	mg/L	04/15/09	EPA 200.7
Selenium	< 0.050	mg/L	04/15/09	EPA 200.7
Silica	1.1	mg/L	04/15/09	EPA 200.7
Silver	< 0.010	mg/L	04/15/09	EPA 200.7
Sodium	0.066	mg/L	04/15/09	EPA 200.7
Thallium	< 0.050	mg/L	04/15/09	EPA 200.7
Vanadium	< 0.0050	mg/L	04/15/09	EPA 200.7
Zinc	0.0050	mg/L	04/15/09	EPA 200.7

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