ENVIRONMENTAL
Data Services, Inc.

INORGANIC DATA USABILITY REPORT
POWER CITY WAREHOUSE SITE

EA ENGINEERING, SCIENCE & TECHNOLOGY, INC.
MITKEM CORPORATION
SAMPLE DELIVERY GROUPS (SDGs) MF1306, MF1307, MF1309, MF1310 & MF1311

EDS ID	Client ID	Laboratory ID	Matrix
1	9-32-131-DS-01	F1306-01; F1307-01	Soil
2	9-32-131-DS-11	F1306-02; F1307-02	Soil
3	9-32-131-DS-12	F1306-03; F1307-03	Soil
4	9-32-131-DS-10	F1306-04; F1307-04	Soil
5	9-32-131-DS-09	F1306-05; F1307-05	Soil
6	9-32-131-DUP01	F1306-06; F1307-06	Soil
7	9-32-131-DS-05	F1306-07; F1307-07	Soil
8	9-32-131-DS-06	F1306-08; F1307-08	Soil
8MS	9-32-131-DS-06MS	F1306-08MS; F1307-08MS	Soil
8MSD	9-32-131-DS-06MSD	F1306-08MSD; F1307-08MSD	Soil
9	9-32-131-DS-07	F1306-09; F1307-09	Soil
10	9-32-131-DS-08	F1306-10; F1307-10	Soil
11	9-32-131-DS-04	F1306-11; F1307-11	Soil
12	9-32-131-DS-14	F1306-12; F1307-12	Soil
13	9-32-131-DS-15	F1306-13; F1307-13	Soil
14	9-32-131-DS-16	F1306-14; F1307-14	Soil
14MS	9-32-131-DS-16MS	F1306-14MS; F1307-01MS	Soil
14MSD	9-32-131-DS-16MSD	F1306-14MSD; F1307-14MSD	Soil
15	9-32-131-DS-17	F1306-15; F1307-15	Soil
16	9-32-131-DS-18	F1306-16; F1307-16	Soil
17	9-32-131-DS-19	F1306-17; F1307-17	Soil
18	9-32-131-DUP02	F1306-18; F1307-18	Soil
19	9-32-131-DS-13	F1306-19; F1307-19	Soil
20	9-32-131-DS-20	F1306-20; F1307-20	Soil
21	9-32-131-DS-21	F1309-01; F1310-01	Soil
22	9-32-131-RB01	F1311-02	Water

Note: All samples except RB01 analyzed for TAL and TCLP Metals

Deliverables

The above referenced data package for the samples collected at the Power City Warehouse site contains all required deliverables consistent with the requirements of the EPA Region II guidelines. The sample specific analyses performed included TAL Metals and TCLP Metals. These analyses were performed in accordance with United States Environmental

Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*.

Specific method references are as follows:

Analysis	*Method References*
TAL Metals	USEPA SW-846 Method 6010B
TCLP Metals	USEPA SW-846 Method 1311/6010B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-2, Revision 13, September 2005: Evaluation of Metals Data for the CLP Program based on ILMO5.3;
- and the reviewer's professional judgment.

The validation report pertains to the samples indicated in each individual section:

Chains-of-Custody

- The Chains-of-Custody (COCs) were reviewed for completeness and accuracy. There were no discrepancies observed with the samples presented on the COC, and all other tests specified on the COC were performed for the designated samples.

Inorganics

The following items/criteria were reviewed:

- SDG Narrative and deliverables compliance
- Chains-of-Custody (COC)
- Organic analysis data sheets (Form Is)
- Holding times and sample preservation
- Initial and continuing calibration verifications
- Positive results reported for method blanks and field blanks
- ICP interference check sample recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory duplicate sample precision
- Lab Check Sample/Lab Check Duplicate (LCS/LCSD) recoveries
- ICP Serial Dilution results
- Blind Field Duplicate sample precision

The items listed above were technically and contractually in compliance with the method and QAPP criteria, with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly. This report presents QC outliers that resulted in qualification of data only unless otherwise indicated.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Metals

- The following table presents matrix spike (MS) percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased. For a %R below 10%, results are rejected and qualified (R). Rejected results are not useable for project objectives.

SDG/MS/MSD ID	Compound	Deficiency MS %R/RPD	Qualifier
8	Aluminum	NA/20.2%	J
	Antimony	Ok/62.9	J
	Barium	Ok/24.2	J
	Beryllium	68.8%/Ok	J/UJ
	Cadmium	50.9%/Ok	J/UJ
	Chromium	-21.9%/43.2	J/R
	Cobalt	67.0%/Ok	J/UJ
	Copper	3.4%/Ok	J/R
	Nickel	48.8%/Ok	J/UJ
	Selenium	36.0%/NA	J/UJ
	Silver	0%/NA	J/R
	Sodium	NA/20.7	J
	Thallium	73.7%/Ok	J/UJ
	Vanadium	68.7%/Ok	J/UJ
	Mercury	183.2%/Ok	J
14	Barium	-62.2%/Ok	J/R
	Beryllium	69.9%/Ok	J/UJ
	Cadmium	38.9%/Ok	J/UJ
	Calcium	NA/25.5	J
	Chromium	5.4%/Ok	J/R
	Cobalt	65.4%/Ok	J/UJ
	Copper	-83.1%/27.1	J/R

SDG/MS/MSD ID	Compound	Deficiency MS %R/RPD	Qualifier
14	Iron	NA/31.1	J
	Nickel	48.5%/Ok	J/UJ
	Selenium	53.4%/NA	J/UJ
	Silver	42.8%/NA	J/UJ
	Thallium	51.2%/Ok	J/UJ
	Vanadium	62.8%/Ok	J/UJ
	Mercury	46.8%/Ok	J/UJ

- The following tables list blank contamination and the samples associated with the blanks. Detected sample concentrations less than five times (5x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a "U".

Blank ID	Compound	Concentration ug/L	Action Level	Affected Sample(s)	Qualifier
RB01 (TAL)	Calcium	211	105.5 mg/kg	All >10X	None
	Lead	175	87.50 mg/kg	All >10X	None
	Magnesium	44.1	22.05 mg/kg	All >10X	None
	Sodium	141	70.50 mg/kg	9-32-131-DS-21, 9-32-131-DS-18	U
RB01 (TCLP)	Cadmium	0.166	1.66 ug/L	All >10X	None
	Chromium	0.464	4.64 ug/L	1, 2, 3, 7, 10, 11, 17, 18, 19, 20	U
PBW	Copper	5.377	53.77 mg/kg	RB01	U
	Manganese	1.995	19.95 mg/kg	RB01	U
	Nickel	0.859	8.57 mg/kg	RB01	U
	Zinc	20.008	200 mg/kg	RB01	U

- The following table presents ICP serial dilution percent differences (%D) above the QC limits. A high %D may indicate may indicate a potential high bias. For a high %D, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

Sample ID	Compound	%D	Affected Samples	Qualifier
8	Cobalt	23%	All TAL Metals	J
	Lead	11%	All TAL Metals	J
	Nickel	11%	All TAL Metals	J
	Potassium	13%	All TAL Metals	J
	Sodium	32%	All TAL Metals	J
14	Potassium	12%	All TAL Metals	J
	Sodium	81%	All TAL Metals	J
8 (TCLP)	Barium	15%	1-20 TCLP Metals	J
	Cadmium	20%	1-20 TCLP Metals	J

- All TCLP samples were analyzed at 10X dilution for arsenic, selenium, and cadmium due to sample matrix.

- All results reported between the MDL and CRDL were flagged (B) by the laboratory and further qualified estimated (J) by the reviewer.

Package Summary:

All data are valid and usable with qualifications as noted in this review.

Signed: Nancy Weaver Dated: 11/28/07

Nancy Weaver
Senior Chemist

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS01

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-01

evel (low/med): MED Date Received: 09/14/2007

Solids: 55.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5710		~~*~~	P	J
7440-36-0	Antimony	3090		~~*~~	P	J
7440-38-2	Arsenic	216			P	
7440-39-3	Barium	2920		~~N*~~	P	J
7440-41-7	Beryllium	0.53	~~B~~	~~N~~	P	J
7440-43-9	Cadmium	22.6		~~N~~	P	J
7440-70-2	Calcium	21800		~~*~~	P	J
7440-47-3	Chromium	158		~~N*~~	P	J
7440-48-4	Cobalt	15.7	~~B~~	~~NE~~	P	J
7440-50-8	Copper	648		~~N*~~	P	J
7439-89-6	Iron	41900		~~*~~	P	J
7439-92-1	Lead	58800		~~E~~	P	J
7439-95-4	Magnesium	9730			P	
7439-96-5	Manganese	586			P	
7439-97-6	Mercury	2.1		~~N~~	CV	J
7440-02-0	Nickel	138		~~NE~~	P	J
7440-09-7	Potassium	499		~~E~~	P	J
7782-49-2	Selenium	1.9	~~U~~	~~N~~	P	UJ
7440-22-4	Silver	0.59	~~U~~	~~N~~	P	R
7440-23-5	Sodium	420		~~*E~~	P	J
7440-28-0	Thallium	8.7	~~B~~	~~N~~	P	J
7440-62-2	Vanadium	44.5		~~N~~	P	J
7440-66-6	Zinc	5620			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS11

Lab Name: Mitkem Corporation Contract: 14368.11.00

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

Matrix (soil/water): SOIL Lab Sample ID: F1306-02

Level (low/med): MED Date Received: 09/14/2007

% Solids: 68.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3610		~~*~~	P	J
7440-36-0	Antimony	50.0		~~*~~	P	J
7440-38-2	Arsenic	66.6			P	
7440-39-3	Barium	2320		~~N*~~	P	J
7440-41-7	Beryllium	0.28	~~B~~	~~N~~	P	J
7440-43-9	Cadmium	8.5		~~N~~	P	J
7440-70-2	Calcium	25500		~~*~~	P	J
7440-47-3	Chromium	51.5		~~N*~~	P	J
7440-48-4	Cobalt	14.4	~~B~~	~~NE~~	P	J
7440-50-8	Copper	146		~~N*~~	P	J
7439-89-6	Iron	56900		~~*~~	P	J
7439-92-1	Lead	71400		~~E~~	P	J
7439-95-4	Magnesium	6840			P	
7439-96-5	Manganese	415			P	
7439-97-6	Mercury	19.9		~~N~~	CV	J
7440-02-0	Nickel	33.6		~~NE~~	P	J
7440-09-7	Potassium	532		~~E~~	P	J
7782-49-2	Selenium	1.6	~~U~~	~~N~~	P	UJ
7440-22-4	Silver	0.51	~~U~~	~~N~~	P	R
7440-23-5	Sodium	73.7		~~*E~~	P	J
7440-28-0	Thallium	14.0		~~N~~	P	J
7440-62-2	Vanadium	20.3	~~B~~	~~N~~	P	J
7440-66-6	Zinc	1880			P	

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS12

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-03

evel (low/med): MED Date Received: 09/14/2007

Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	9880		*	P	J
7440-36-0	Antimony	1090		*	P	J
7440-38-2	Arsenic	217			P	
7440-39-3	Barium	674		N*	P	J
7440-41-7	Beryllium	0.47	B	N	P	J
7440-43-9	Cadmium	22.8		N	P	J
7440-70-2	Calcium	9330		*	P	J
7440-47-3	Chromium	62.2		N*	P	J
7440-48-4	Cobalt	23.6		NE	P	J
7440-50-8	Copper	241		N*	P	J
7439-89-6	Iron	124000		*	P	J
7439-92-1	Lead	8910		E	P	J
7439-95-4	Magnesium	6100			P	
7439-96-5	Manganese	692			P	
7439-97-6	Mercury	0.91		N	CV	J
7440-02-0	Nickel	32.8		NE	P	J
7440-09-7	Potassium	576		E	P	J
7782-49-2	Selenium	1.3	U	N	P	UJ
7440-22-4	Silver	0.41	U	N	P	R
7440-23-5	Sodium	114		*E	P	J
7440-28-0	Thallium	13.9		N	P	J
7440-62-2	Vanadium	41.0		N	P	J
7440-66-6	Zinc	976			P	

omments:

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EPA SAMPLE NO.

DS10

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-04

evel (low/med): MED Date Received: 09/14/2007

Solids: 80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1770		*	P	J
7440-36-0	Antimony	66.0		*	P	J
7440-38-2	Arsenic	81.7			P	
7440-39-3	Barium	3640		N*	P	J
7440-41-7	Beryllium	0.059	B	N	P	J
7440-43-9	Cadmium	8.9		N	P	J
7440-70-2	Calcium	19000		*	P	J
7440-47-3	Chromium	29.9		N*	P	J
7440-48-4	Cobalt	13.5	B	NE	P	J
7440-50-8	Copper	70.5		N*	P	J
7439-89-6	Iron	86600		*	P	J
7439-92-1	Lead	66500		E	P	J
7439-95-4	Magnesium	2720			P	
7439-96-5	Manganese	384			P	
7439-97-6	Mercury	0.71		N	CV	J
7440-02-0	Nickel	26.8		NE	P	J
7440-09-7	Potassium	1870		E	P	J
7782-49-2	Selenium	1.4	U	N	P	UJ
7440-22-4	Silver	0.43	U	N	P	R
7440-23-5	Sodium	263		*E	P	J
7440-28-0	Thallium	15.4		N	P	J
7440-62-2	Vanadium	9.0	B	N	P	J
7440-66-6	Zinc	2590			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS09

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-05

evel (low/med): MED Date Received: 09/14/2007

Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1320		*	P	J
7440-36-0	Antimony	104		*	P	J
7440-38-2	Arsenic	125			P	
7440-39-3	Barium	2570		N*	P	J
7440-41-7	Beryllium	0.023	B	N	P	J
7440-43-9	Cadmium	13.4		N	P	J
7440-70-2	Calcium	9300		*	P	J
7440-47-3	Chromium	37.8		N*	P	J
7440-48-4	Cobalt	20.4	B	NE	P	J
7440-50-8	Copper	67.3		N*	P	J
7439-89-6	Iron	129000		*	P	J
7439-92-1	Lead	74300		E	P	J
7439-95-4	Magnesium	2170			P	
7439-96-5	Manganese	565			P	
7439-97-6	Mercury	0.70		N	CV	J
7440-02-0	Nickel	23.7	B	NE	P	J
7440-09-7	Potassium	4130		E	P	J
7782-49-2	Selenium	1.4	U	N	P	UJ
7440-22-4	Silver	0.45	U	N	P	R
7440-23-5	Sodium	346		*E	P	J
7440-28-0	Thallium	20.2		N	P	J
7440-62-2	Vanadium	12.9	B	N	P	J
7440-66-6	Zinc	2480			P	

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EPA SAMPLE NO.

DUP01

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-06

evel (low/med): MED Date Received: 09/14/2007

Solids: 93.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3420		*	P	J
7440-36-0	Antimony	904		*	P	J
7440-38-2	Arsenic	206			P	
7440-39-3	Barium	787		N*	P	J
7440-41-7	Beryllium	0.13	B	N	P	J
7440-43-9	Cadmium	21.5		N	P	J
7440-70-2	Calcium	14200		*	P	J
7440-47-3	Chromium	79.4		N*	P	J
7440-48-4	Cobalt	29.2		NE	P	J
7440-50-8	Copper	2600		N*	P	J
7439-89-6	Iron	188000		*	P	J
7439-92-1	Lead	51000		E	P	J
7439-95-4	Magnesium	2460			P	
7439-96-5	Manganese	876			P	
7439-97-6	Mercury	5.2		N	CV	J
7440-02-0	Nickel	77.9		NE	P	J
7440-09-7	Potassium	7560		E	P	J
7782-49-2	Selenium	1.3	U	N	P	UJ
7440-22-4	Silver	0.39	U	N	P	R
7440-23-5	Sodium	1000		E	P	J
7440-28-0	Thallium	20.1		N	P	J
7440-62-2	Vanadium	17.6	B	N	P	J
7440-66-6	Zinc	4530			P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS05

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-07

evel (low/med): MED Date Received: 09/14/2007

Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5760		~~*~~	P	J
7440-36-0	Antimony	417		~~*~~	P	J
7440-38-2	Arsenic	291			P	
7440-39-3	Barium	540		~~N*~~	P	J
7440-41-7	Beryllium	0.45	~~B~~	~~N~~	P	J
7440-43-9	Cadmium	16.3		~~N~~	P	J
7440-70-2	Calcium	30500		~~*~~	P	J
7440-47-3	Chromium	87.9		~~N*~~	P	J
7440-48-4	Cobalt	33.1		~~NE~~	P	J
7440-50-8	Copper	329		~~N*~~	P	J
7439-89-6	Iron	85300		~~*~~	P	J
7439-92-1	Lead	70100		~~E~~	P	J
7439-95-4	Magnesium	9670			P	
7439-96-5	Manganese	873			P	
7439-97-6	Mercury	2.9		~~N~~	CV	J
7440-02-0	Nickel	73.9		~~NE~~	P	J
7440-09-7	Potassium	2080		~~E~~	P	J
7782-49-2	Selenium	1.2	~~U~~	~~N~~	P	UJ
7440-22-4	Silver	0.39	~~U~~	~~N~~	P	R
7440-23-5	Sodium	552		~~*E~~	P	J
7440-28-0	Thallium	13.5		~~N~~	P	J
7440-62-2	Vanadium	25.3		~~N~~	P	J
7440-66-6	Zinc	14000			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS06

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-08

evel (low/med): MED Date Received: 09/14/2007

Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2190		~~*~~	P	J
7440-36-0	Antimony	720		~~*~~	P	J
7440-38-2	Arsenic	139			P	
7440-39-3	Barium	3060		~~N*~~	P	J
7440-41-7	Beryllium	0.10	~~B~~	~~N~~	P	J
7440-43-9	Cadmium	11.9		~~N~~	P	J
7440-70-2	Calcium	14600		~~*~~	P	J
7440-47-3	Chromium	66.2		~~N*~~	P	J
7440-48-4	Cobalt	13.2	B	~~NE~~	P	J
7440-50-8	Copper	120		~~N*~~	P	J
7439-89-6	Iron	62600		~~*~~	P	J
7439-92-1	Lead	64200		~~E~~	P	J
7439-95-4	Magnesium	3320			P	
7439-96-5	Manganese	336			P	
7439-97-6	Mercury	3.2		~~N~~	CV	J
7440-02-0	Nickel	42.1		~~NE~~	P	J
7440-09-7	Potassium	3080		~~E~~	P	J
7782-49-2	Selenium	1.3	~~U~~	~~N~~	P	UJ
7440-22-4	Silver	0.39	~~U~~	~~N~~	P	R
7440-23-5	Sodium	799		~~*E~~	P	J
7440-28-0	Thallium	10.7		~~N~~	P	J
7440-62-2	Vanadium	10.1	~~B~~	~~N~~	P	J
7440-66-6	Zinc	3590			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS07

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-09

evel (low/med): MED Date Received: 09/14/2007

Solids: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6030		*	P	J
7440-36-0	Antimony	407		*	P	J
7440-38-2	Arsenic	537			P	
7440-39-3	Barium	1340		N*	P	J
7440-41-7	Beryllium	0.17	B	N	P	J
7440-43-9	Cadmium	29.5		N	P	J
7440-70-2	Calcium	60100		*	P	J
7440-47-3	Chromium	55.7		N*	P	J
7440-48-4	Cobalt	33.2		NE	P	J
7440-50-8	Copper	209		N*	P	J
7439-89-6	Iron	180000		*	P	J
7439-92-1	Lead	60100		E	P	J
7439-95-4	Magnesium	13200			P	
7439-96-5	Manganese	782			P	
7439-97-6	Mercury	3.0		N	CV	J
7440-02-0	Nickel	39.1		NE	P	J
7440-09-7	Potassium	946		E	P	J
7782-49-2	Selenium	1.4	U	N	P	UJ
7440-22-4	Silver	0.45	U	N	P	R
7440-23-5	Sodium	245		*E	P	J
7440-28-0	Thallium	15.9		N	P	J
7440-62-2	Vanadium	19.0	B	N	P	J
7440-66-6	Zinc	17000			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS08

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-10

evel (low/med): MED Date Received: 09/14/2007

Solids: 94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2740		*	P	J
7440-36-0	Antimony	1040		*	P	J
7440-38-2	Arsenic	184			P	
7440-39-3	Barium	2570		N*	P	J
7440-41-7	Beryllium	0.094	B	N	P	J
7440-43-9	Cadmium	22.5		N	P	J
7440-70-2	Calcium	20800		*	P	J
7440-47-3	Chromium	60.3		N*	P	J
7440-48-4	Cobalt	25.5		NE	P	J
7440-50-8	Copper	6120		N*	P	J
7439-89-6	Iron	173000		*	P	J
7439-92-1	Lead	56500		E	P	J
7439-95-4	Magnesium	2570			P	
7439-96-5	Manganese	606			P	
7439-97-6	Mercury	4.4		N	CV	J
7440-02-0	Nickel	57.3		NE	P	J
7440-09-7	Potassium	6550		E	P	J
7782-49-2	Selenium	1.2	U	N	P	UJ
7440-22-4	Silver	0.37	U	N	P	R
7440-23-5	Sodium	900		*E	P	J
7440-28-0	Thallium	18.8		N	P	J
7440-62-2	Vanadium	17.6	B	N	P	J
7440-66-6	Zinc	4280			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS04

ıb Name: Mitkem Corporation Contract: 14368.11.00

ıb Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

ıtrix (soil/water): SOIL Lab Sample ID: F1306-11

ɜvel (low/med): MED Date Received: 09/14/2007

Solids: 66.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5790		*	P	J
7440-36-0	Antimony	692		*	P	J
7440-38-2	Arsenic	153			P	
7440-39-3	Barium	2200		N*	P	J
7440-41-7	Beryllium	0.72	B	N	P	J
7440-43-9	Cadmium	7.6		N	P	J
7440-70-2	Calcium	26000		*	P	J
7440-47-3	Chromium	48.8		N*	P	J
7440-48-4	Cobalt	15.7	B	NE	P	J
7440-50-8	Copper	165		N*	P	J
7439-89-6	Iron	49900		*	P	J
7439-92-1	Lead	74200		E	P	J
7439-95-4	Magnesium	4600			P	
7439-96-5	Manganese	738			P	
7439-97-6	Mercury	6.1		N	CV	J
7440-02-0	Nickel	39.3		NE	P	J
7440-09-7	Potassium	1460		E	P	J
7782-49-2	Selenium	1.6	U	N	P	UJ
7440-22-4	Silver	0.49	U	N	P	R
7440-23-5	Sodium	255		*E	P	J
7440-28-0	Thallium	11.3		N	P	J
7440-62-2	Vanadium	31.0		N	P	J
7440-66-6	Zinc	3210			P	

ɔmments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS14

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-12

evel (low/med): MED Date Received: 09/14/2007

Solids: 65.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7420		*	P	J
7440-36-0	Antimony	144		*	P	J
7440-38-2	Arsenic	79.8			P	
7440-39-3	Barium	3980		N*	P	J
7440-41-7	Beryllium	0.72	B	N	P	J
7440-43-9	Cadmium	5.7		N	P	J
7440-70-2	Calcium	38900		*	P	J
7440-47-3	Chromium	65.9		N*	P	J
7440-48-4	Cobalt	13.1	B	NE	P	J
7440-50-8	Copper	134		N*	P	J
7439-89-6	Iron	22800		*	P	J
7439-92-1	Lead	66000		E	P	J
7439-95-4	Magnesium	7050			P	
7439-96-5	Manganese	565			P	
7439-97-6	Mercury	2.5		N	CV	J
7440-02-0	Nickel	48.7		NE	P	J
7440-09-7	Potassium	2290		E	P	J
7782-49-2	Selenium	3.2	B	N	P	J
7440-22-4	Silver	0.45	U	N	P	R
7440-23-5	Sodium	341		*E	P	J
7440-28-0	Thallium	6.7	B	N	P	J
7440-62-2	Vanadium	32.6		N	P	J
7440-66-6	Zinc	3780			P	

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS15

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-13

evel (low/med): MED Date Received: 09/14/2007

Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6560		*	P	J
7440-36-0	Antimony	135		*	P	J
7440-38-2	Arsenic	41.6			P	
7440-39-3	Barium	445		N*	P	J
7440-41-7	Beryllium	0.33	B	N	P	J
7440-43-9	Cadmium	7.1		N	P	J
7440-70-2	Calcium	78800		*	P	J
7440-47-3	Chromium	37.0		N*	P	J
7440-48-4	Cobalt	11.8	B	NE	P	J
7440-50-8	Copper	286		N*	P	J
7439-89-6	Iron	56200		*	P	J
7439-92-1	Lead	48300		E	P	J
7439-95-4	Magnesium	18900			P	
7439-96-5	Manganese	430			P	
7439-97-6	Mercury	0.25		N	CV	J
7440-02-0	Nickel	28.3		NE	P	J
7440-09-7	Potassium	1890		E	P	J
7782-49-2	Selenium	1.3	U	N	P	UJ
7440-22-4	Silver	0.42	U	N	P	R
7440-23-5	Sodium	199		*E	P	J
7440-28-0	Thallium	8.3	B	N	P	J
7440-62-2	Vanadium	14.8	B	N	P	J
7440-66-6	Zinc	567			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS16

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-14

evel (low/med): MED Date Received: 09/14/2007

Solids: 65.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2890		*	P	J
7440-36-0	Antimony	1650		*	P	J
7440-38-2	Arsenic	445			P	
7440-39-3	Barium	1050		N*	P	J
7440-41-7	Beryllium	0.20	B	N	P	J
7440-43-9	Cadmium	11.0		N	P	J
7440-70-2	Calcium	18900		*	P	J
7440-47-3	Chromium	76.0		N*	P	J
7440-48-4	Cobalt	16.0	B	NE	P	J
7440-50-8	Copper	177		N*	P	J
7439-89-6	Iron	50000		*	P	J
7439-92-1	Lead	73500		E	P	J
7439-95-4	Magnesium	5030			P	
7439-96-5	Manganese	459			P	
7439-97-6	Mercury	1.4		N	CV	J
7440-02-0	Nickel	55.8		NE	P	J
7440-09-7	Potassium	430		E	P	J
7782-49-2	Selenium	1.2	U	N	P	UJ
7440-22-4	Silver	0.37	U	N	P	R
7440-23-5	Sodium	153		E	P	J
7440-28-0	Thallium	12.3		N	P	J
7440-62-2	Vanadium	18.4	B	N	P	J
7440-66-6	Zinc	3840			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS17

Lab Name: Mitkem Corporation Contract: 14368.11.00

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

Matrix (soil/water): SOIL Lab Sample ID: F1306-15

Level (low/med): MED Date Received: 09/14/2007

Solids: 80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5170		*	P	J
7440-36-0	Antimony	840		*	P	J
7440-38-2	Arsenic	62.0			P	
7440-39-3	Barium	148		N*	P	J
7440-41-7	Beryllium	0.19	B	N	P	J
7440-43-9	Cadmium	3.6		N	P	J
7440-70-2	Calcium	67100		*	P	J
7440-47-3	Chromium	20.0		N*	P	J
7440-48-4	Cobalt	9.4	B	NE	P	J
7440-50-8	Copper	151		N*	P	J
7439-89-6	Iron	31800		*	P	J
7439-92-1	Lead	24300		E	P	J
7439-95-4	Magnesium	7340			P	
7439-96-5	Manganese	498			P	
7439-97-6	Mercury	0.14		N	CV	J
7440-02-0	Nickel	24.9		NE	P	J
7440-09-7	Potassium	809		E	P	J
7782-49-2	Selenium	1.4	U	N	P	UJ
7440-22-4	Silver	0.45	U	N	P	R
7440-23-5	Sodium	111		*E	P	J
7440-28-0	Thallium	3.4	B	N	P	J
7440-62-2	Vanadium	15.9	B	N	P	J
7440-66-6	Zinc	427			P	

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS18

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-16

evel (low/med): MED Date Received: 09/14/2007

Solids: 69.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	660		~~*~~	P	J
7440-36-0	Antimony	3680		~~*~~	P	J
7440-38-2	Arsenic	128			P	
7440-39-3	Barium	733		~~N*~~	P	J
7440-41-7	Beryllium	0.012	~~U~~	~~N~~	P	UJ
7440-43-9	Cadmium	1.8	~~B~~	~~N~~	P	J
7440-70-2	Calcium	7060		~~*~~	P	J
7440-47-3	Chromium	19.0		~~N*~~	P	J
7440-48-4	Cobalt	2.8	~~B~~	~~NE~~	P	J
7440-50-8	Copper	90.0		~~N*~~	P	J
7439-89-6	Iron	7390		~~*~~	P	J
7439-92-1	Lead	59400		~~E~~	P	J
7439-95-4	Magnesium	3410			P	
7439-96-5	Manganese	84.5			P	
7439-97-6	Mercury	0.31		~~N~~	CV	J
7440-02-0	Nickel	44.7		~~NE~~	P	J
7440-09-7	Potassium	161		~~E~~	P	J
7782-49-2	Selenium	1.3	~~U~~	~~N~~	P	UJ
7440-22-4	Silver	6.4	~~B~~	~~N~~	P	J
7440-23-5	Sodium	57.2		~~*E~~	P	U
7440-28-0	Thallium	7.9	~~B~~	~~N~~	P	J
7440-62-2	Vanadium	3.2	~~B~~	~~N~~	P	J
7440-66-6	Zinc	265			P	

omments:

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EPA SAMPLE NO.

DS19

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-17

evel (low/med): MED Date Received: 09/14/2007

Solids: 50.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8890		*	P	J
7440-36-0	Antimony	164		*	P	J
7440-38-2	Arsenic	80.4			P	
7440-39-3	Barium	2260		N*	P	J
7440-41-7	Beryllium	0.80	B	N	P	J
7440-43-9	Cadmium	7.9		N	P	J
7440-70-2	Calcium	34300		*	P	J
7440-47-3	Chromium	66.3		N*	P	J
7440-48-4	Cobalt	17.7	B	NE	P	J
7440-50-8	Copper	142		N*	P	J
7439-89-6	Iron	31900		*	P	J
7439-92-1	Lead	95900		E	P	J
7439-95-4	Magnesium	7690			P	
7439-96-5	Manganese	598			P	
7439-97-6	Mercury	2.0		N	CV	J
7440-02-0	Nickel	47.8		NE	P	J
7440-09-7	Potassium	1560		E	P	J
7782-49-2	Selenium	1.9	B	N	P	J
7440-22-4	Silver	0.51	U	N	P	R
7440-23-5	Sodium	181		*E	P	J
7440-28-0	Thallium	7.4	B	N	P	J
7440-62-2	Vanadium	32.6		N	P	J
7440-66-6	Zinc	3330			P	

omments:

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EPA SAMPLE NO.

DUP02

Lab Name: Mitkem Corporation Contract: 14368.11.00

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

Matrix (soil/water): SOIL Lab Sample ID: F1306-18

Level (low/med): MED Date Received: 09/14/2007

Solids: 51.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6810		*	P	J
7440-36-0	Antimony	184		*	P	J
7440-38-2	Arsenic	79.6			P	
7440-39-3	Barium	2440		N*	P	
7440-41-7	Beryllium	0.59	B	N	P	J
7440-43-9	Cadmium	8.4		N	P	J
7440-70-2	Calcium	22800		*	P	J
7440-47-3	Chromium	69.8		N*	P	J
7440-48-4	Cobalt	13.6	B	NE	P	J
7440-50-8	Copper	152		N*	P	J
7439-89-6	Iron	27300		*	P	J
7439-92-1	Lead	83500		E	P	J
7439-95-4	Magnesium	6710			P	
7439-96-5	Manganese	468			P	
7439-97-6	Mercury	2.3		N	CV	
7440-02-0	Nickel	54.8		NE	P	J
7440-09-7	Potassium	1470		E	P	J
7782-49-2	Selenium	4.6	B	N	P	J
7440-22-4	Silver	0.56	U	N	P	R
7440-23-5	Sodium	170		*E	P	J
7440-28-0	Thallium	9.3	B	N	P	J
7440-62-2	Vanadium	38.7		N	P	J
7440-66-6	Zinc	2690			P	

Comments:

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EPA SAMPLE NO.

DS13

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-19

evel (low/med): MED Date Received: 09/14/2007

Solids: 63.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1340		~~*~~	P	J
7440-36-0	Antimony	277		~~*~~	P	J
7440-38-2	Arsenic	44.0			P	
7440-39-3	Barium	109		~~N*~~	P	J
7440-41-7	Beryllium	0.013	~~U~~	~~N~~	P	UJ
7440-43-9	Cadmium	4.0		~~N~~	P	J
7440-70-2	Calcium	33900		~~*~~	P	J
7440-47-3	Chromium	13.2		~~N*~~	P	J
7440-48-4	Cobalt	6.6	~~B~~	~~NE~~	P	J
7440-50-8	Copper	93.5		~~N*~~	P	J
7439-89-6	Iron	39300		~~*~~	P	J
7439-92-1	Lead	75000		~~E~~	P	J
7439-95-4	Magnesium	1290			P	
7439-96-5	Manganese	96.1			P	
7439-97-6	Mercury	11.7		~~N~~	CV	J
7440-02-0	Nickel	12.4	~~B~~	~~NE~~	P	J
7440-09-7	Potassium	1390		~~E~~	P	J
7782-49-2	Selenium	1.4	~~U~~	~~N~~	P	UJ
7440-22-4	Silver	0.45	~~U~~	~~N~~	P	R
7440-23-5	Sodium	538		~~*E~~	P	J
7440-28-0	Thallium	8.1	~~B~~	~~N~~	P	J
7440-62-2	Vanadium	14.4	~~B~~	~~N~~	P	J
7440-66-6	Zinc	252			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-20

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1306

atrix (soil/water): SOIL Lab Sample ID: F1306-20

evel (low/med): MED Date Received: 09/14/2007

Solids: 60.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	693		*	P	J
7440-36-0	Antimony	93.7		*	P	J
7440-38-2	Arsenic	115			P	
7440-39-3	Barium	72.5	B	N*	P	J
7440-41-7	Beryllium	0.15	B	N	P	J
7440-43-9	Cadmium	8.7		N	P	J
7440-70-2	Calcium	63500		*	P	J
7440-47-3	Chromium	38.5		N*	P	J
7440-48-4	Cobalt	17.9	B	NE	P	J
7440-50-8	Copper	297		N*	P	J
7439-89-6	Iron	97300		*	P	J
7439-92-1	Lead	4890		E	P	J
7439-95-4	Magnesium	406			P	
7439-96-5	Manganese	147			P	
7439-97-6	Mercury	0.52		N	CV	J
7440-02-0	Nickel	11.8	B	NE	P	J
7440-09-7	Potassium	14200		E	P	J
7782-49-2	Selenium	1.5	U	N	P	UJ
7440-22-4	Silver	0.46	U	N	P	R
7440-23-5	Sodium	194		*E	P	J
7440-28-0	Thallium	9.9	B	N	P	J
7440-62-2	Vanadium	23.4	B	N	P	J
7440-66-6	Zinc	299			P	

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-21

Lab Name: Mitkem Corporation Contract: 14368.11.00

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1309

Matrix (soil/water): SOIL Lab Sample ID: F1309-01

Level (low/med): MED Date Received: 09/14/2007

% Solids: 67.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1450			P
7440-36-0	Antimony	376			P
7440-38-2	Arsenic	27.1			P
7440-39-3	Barium	349			P
7440-41-7	Beryllium	0.095	~~B~~		P J
7440-43-9	Cadmium	4.5			P
7440-70-2	Calcium	3990			P
7440-47-3	Chromium	20.7			P
7440-48-4	Cobalt	3.8			P
7440-50-8	Copper	312			P
7439-89-6	Iron	15300			P
7439-92-1	Lead	48700			P
7439-95-4	Magnesium	1540			P
7439-96-5	Manganese	92.9			P
7439-97-6	Mercury	1.2			CV
7440-02-0	Nickel	19.0			P
7440-09-7	Potassium	221			P
7782-49-2	Selenium	0.12	U		P
7440-22-4	Silver	0.038	U		P
7440-23-5	Sodium	56.9			P U
7440-28-0	Thallium	4.1			P
7440-62-2	Vanadium	10.2			P
7440-66-6	Zinc	465			P

omments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01

Lab Name: Mitkem Corporation Contract: 14368.11.00

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1311

Matrix (soil/water): WATER Lab Sample ID: F1311-02

Level (low/med): MED Date Received: 09/14/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	37.0	U		P	
7440-36-0	Antimony	4.4	U		P	
7440-38-2	Arsenic	2.5	U		P	
7440-39-3	Barium	11.0	U		P	
7440-41-7	Beryllium	0.051	U		P	
7440-43-9	Cadmium	0.11	U		P	
7440-70-2	Calcium	211	~~B~~		P	J
7440-47-3	Chromium	0.22	U		P	
7440-48-4	Cobalt	0.068	U		P	
7440-50-8	Copper	1.8	~~B~~		P	u
7439-89-6	Iron	89.0	U		P	
7439-92-1	Lead	175			P	
7439-95-4	Magnesium	44.1	~~B~~		P	J
7439-96-5	Manganese	6.1	~~B~~		P	u
7439-97-6	Mercury	0.11	U		CV	
7440-02-0	Nickel	0.33	~~B~~		P	u
7440-09-7	Potassium	36.0	U		P	
7782-49-2	Selenium	5.2	U		P	
7440-22-4	Silver	1.2	U		P	
7440-23-5	Sodium	141	~~B~~		P	J
7440-28-0	Thallium	2.8	U		P	
7440-62-2	Vanadium	0.40	U		P	
7440-66-6	Zinc	31.6	~~B~~		P	u

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS01

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-01

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	176	~~B~~		P	J
7440-39-3	Barium	733		~~E~~	P	J
7440-43-9	Cadmium	154		~~E~~	P	J
7440-47-3	Chromium	0.96	~~B~~		P	U
7439-92-1	Lead	241000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	64.1	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS11

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-02

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	1540		~~E~~	P	J
7440-43-9	Cadmium	51.7		~~E~~	P	J
7440-47-3	Chromium	0.41	~~B~~		P	U
7439-92-1	Lead	780000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	89.4	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

ments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS12

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-03

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	855		~~E~~	P	J
7440-43-9	Cadmium	197		~~E~~	P	J
7440-47-3	Chromium	1.9	~~B~~		P	U
7439-92-1	Lead	126000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	144	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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EPA SAMPLE NO.

DS10

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-04

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	1050		~~E~~	P	J
7440-43-9	Cadmium	12.4	~~B~~	~~E~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	82100			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	127	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS09

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-05

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	35.6	~~B~~		P	J
7440-39-3	Barium	4230		~~E~~	P	J
7440-43-9	Cadmium	32.8	~~B~~	~~E~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	395000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	153	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP01

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-06

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	6620		~~E~~	P	J
7440-43-9	Cadmium	76.4		~~E~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	56100			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	151	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS05

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-07

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	81.3	~~B~~		P	J
7440-39-3	Barium	314		~~E~~	P	J
7440-43-9	Cadmium	100		~~E~~	P	J
7440-47-3	Chromium	0.57	~~B~~		P	U
7439-92-1	Lead	1030000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	52.0	U		P	
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS06

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-08

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	26.1	~~B~~		P	J
7440-39-3	Barium	4170		~~E~~	P	J
7440-43-9	Cadmium	65.2		~~E~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	190000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	141	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS07

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-09

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	93.7	~~B~~		P	J
7440-39-3	Barium	1800		~~B~~	P	J
7440-43-9	Cadmium	105		~~B~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	158000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	212	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS08

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-10

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	8050		~~E~~	P	J
7440-43-9	Cadmium	87.2		~~E~~	P	J
7440-47-3	Chromium	0.28	~~B~~		P	u
7439-92-1	Lead	75500			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	199	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS04

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-11

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	1500		~~E~~	P	J
7440-43-9	Cadmium	46.2	~~B~~	~~E~~	P	J
7440-47-3	Chromium	0.25	~~B~~		P	U
7439-92-1	Lead	377000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	116	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS14

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-12

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	1860		~~E~~	P	J
7440-43-9	Cadmium	41.9	~~B~~	~~E~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	169000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	149	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

ments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS15

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-13

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	127	~~B~~	~~E~~	P	J
7440-43-9	Cadmium	10.3	~~B~~	~~E~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	56200			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	168	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-16

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-14

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	25.0	U		P
7440-39-3	Barium	1280		E	P
7440-43-9	Cadmium	59.5		E	P
7440-47-3	Chromium	0.22	U		P
7439-92-1	Lead	1510000			P
7439-97-6	Mercury	0.11	U		CV
7782-49-2	Selenium	52.0	U		P
7440-22-4	Silver	1.2	U		P

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO. TCLP

DS-17

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-15

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	25.0	U		P	
7440-39-3	Barium	495		~~E~~	P	J
7440-43-9	Cadmium	4.4	~~B~~	~~E~~	P	J
7440-47-3	Chromium	0.22	U		P	
7439-92-1	Lead	35400			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	242	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-18

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-16

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	494			P
7440-39-3	Barium	476		~~E~~	P J
7440-43-9	Cadmium	17.0	~~B~~	~~E~~	P J
7440-47-3	Chromium	0.22	U		P
7439-92-1	Lead	1520000			P
7439-97-6	Mercury	0.11	U		CV
7782-49-2	Selenium	52.0	U		P
7440-22-4	Silver	1.2	U		P

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EPA SAMPLE NO.

DS-19

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-17

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	63.6	~~B~~		P	J
7440-39-3	Barium	3240		~~E~~	P	J
7440-43-9	Cadmium	43.7	~~B~~	~~E~~	P	J
7440-47-3	Chromium	4.0	~~B~~		P	U
7439-92-1	Lead	1630000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	56.2	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP02

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-18

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	59.3	~~B~~		P	J
7440-39-3	Barium	3460		~~E~~	P	J
7440-43-9	Cadmium	39.8	~~B~~	~~E~~	P	J
7440-47-3	Chromium	3.2	~~B~~		P	U
7439-92-1	Lead	1710000			P	
7439-97-6	Mercury	0.11	U		CV	
7782-49-2	Selenium	52.0	U		P	
7440-22-4	Silver	1.2	U		P	

ments:

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TCLP

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS13

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1307-19

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7440-38-2	Arsenic	27.2	~~B~~		P	J
7440-39-3	Barium	17.9	~~B~~	~~E~~	P	J
7440-43-9	Cadmium	5.1	~~B~~	~~E~~	P	J
7440-47-3	Chromium	0.90	~~B~~		P	U
7439-92-1	Lead	99400			P	
7439-97-6	Mercury	0.12	~~B~~		CV	J
7782-49-2	Selenium	217	~~B~~		P	J
7440-22-4	Silver	1.2	U		P	

ments:

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TCLP

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

DS-21

ab Name: Mitkem Corporation Contract: 14368.11.00

ab Code: MITKEM Case No.: SAS No.: SDG No.: MF1307

atrix (soil/water): WATER Lab Sample ID: F1310-01

evel (low/med): MED Date Received: 09/14/2007

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	24.7			P
7440-39-3	Barium	443			P
7440-43-9	Cadmium	40.5			P
7440-47-3	Chromium	0.22	U		P
7439-92-1	Lead	1050000			P
7439-97-6	Mercury	0.11	U		CV
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	1.2	U		P

ments:

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