Site Team Evaluation Prioritization

EPA Region 5 Records Ctr.
354503

Steel City National Bank
Chicago Heights, Cook County
ILD 005246590
IEPA 0310450024

SF / HRS

25 September 1998

CERCLA

Analytical Results

Illinois Environmental Protection Agency

2200 Churchill Road
P. O. Box 19276
Springfield, IL 62794-9276

Printed on Recycled Paper

VOLUME II

APPENDIX D

Analytical Results

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: July 15, 1998

SUBJECT: Review of Data
Received for Review on July 8, 1998

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Technical Support Section /LF.

RECEIVED
JUL 27 1998
IEPA

TO: Data User: IEPA

We have reviewed the data by CADRE for the following case:

SITE NAME: Steel City Nat. Bank

CASE NUMBER: 26245 **SDG NUMBER:** MEBHR5

Number and Type of Samples: 18 soil

Sample Numbers: MEBHR5-9, MEBHS0-9, MEBHT0-2

Laboratory: Sentinel Hrs. for Review: 14.5 +1.0

Following are our findings:

All data are usable with the qualifications described in the attached narrative.

L. Finkelberg
07-20-98

CC: Cecilia Luckett
Region 5 TPO
Mail Code: SM-5J

Case Number : 26245
Site Name: Steel City Nat. Bank

SDG Number: MEBHR5
Laboratory: Sentinel

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

18 soil samples numbered MEBHR5-9, MEBHS0-9, and MEBHT0-2 were collected on June 3, 1998. The lab received the samples on June 5, 1998 in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM04.0 analysis procedure.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Reviewed By: J. Ganz
Date: July 15, 1998

Case Number : 26245
Site Name: Steel City Nat. Bank

SDG Number: MEBHR5
Laboratory: Sentinel

1. HOLDING TIME:

HOLDING TIME CRITERIA

Inorganic

	-- Holding Time --		------- pH -------	
	Primary	Expanded	Primary	Expanded
Metals	180	0	2.0	0.0
Mercury	28	0	2.0	0.0
Cyanide	14	0	12.0	0.0

DC-280: The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

MEBHR5, MEBHR6, MEBHR7, MEBHR8
MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4
MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0
MEBHT1, MEBHT2

No problems were found for this qualification.

2. CALIBRATIONS:

CALIBRATION CRITERIA

Inorganic

Percent Recovery Limits

	--- Primary ---		-- Expanded ---	
	Low	High	Low	High
Cyanide	85.00	115.00	70.00	130.00
ICP	90.00	110.00	75.00	125.00
Mercury	80.00	120.00	65.00	135.00

No problems were found for this qualification.

3. BLANKS:

LABORATORY BLANKS CRITERIA

Reviewed By: J. Ganz
Date: July 15, 1998

Case Number : 26245
Site Name: Steel City Nat. Bank

SDG Number: MEBHR5
Laboratory: Sentinel

DC-283: The following inorganic samples are associated with a blank analyte with negative concentration whose absolute value is greater than the instrument detection limit (IDL). Data must be qualified using professional judgement. The sample concentration is greater than the IDL but less than 5 times the absolute value of the blank.
Hits are flagged "J".

Silver
MEBHR5, MEBHS7, MEBHS8, MEBHS9, MEBHT0, MEBHT2

Sodium
MEBHS3, MEBHS8, MEBHS9, MEBHT0, MEBHT2

DC-284: The following inorganic samples are associated with a blank concentration which is greater than the instrument detection limit (IDL). The sample concentration is also greater than the IDL and less than five times the blank concentration.
Hits are qualified "J" and non-detects are not flagged.

Antimony
MEBHR6, MEBHS8, MEBHT2

Arsenic
MEBHR6, MEBHS0, MEBHS1, MEBHS5, MEBHS6, MEBHT0, MEBHT1

Selenium
MEBHR6, MEBHS0, MEBHS1, MEBHS3, MEBHS5
MEBHS6

Silver
MEBHR5, MEBHS7, MEBHS8, MEBHS9, MEBHT0, MEBHT2

Cyanide
MEBHR5, MEBHR6, MEBHS0, MEBHS1
MEBHS9, MEBHT0
MEBHT1, MEBHT2

DC-338: During review of the following inorganic samples, the reported IDL/default CRDL value was used for cyanide.

MEBHR5, MEBHR6, MEBHR7
MEBHR8, MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3
MEBHS4, MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9
MEBHT0, MEBHT1, MEBHT2

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

MATRIX SPIKE CRITERIA

Reviewed By: J. Ganz
Date: July 15, 1998

sodium result on this sample was flagged "K" by instrument in the raw data because the concentration value could not be properly adjusted for the interelement correction factor from zinc (since the zinc value could not be determined as explained above). Thus the sodium result on MEBHS0 is qualified "J".

7. GFAA ANALYSIS

No GFAA analyses were performed for the samples in this dataset.

8. SAMPLE RESULTS

All data, except those qualified above, are acceptable.

Reviewed By: J. Ganz
Date: July 15, 1998

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The data are unusable. (The compound may or may not be present)

Case Number : 26245 SDG Number: MEBHR5
Site Name: Steel City Nat. Bank Laboratory: Sentinel

Inorganic

Percent Recovery Limits	
Upper	125.0
Lower	75.0
Extreme lower	30.0

DC-268: The following inorganic samples are associated with a matrix spike recovery which is low, indicating that sample results may be biased low.
Hits are qualified "J" and non-detects are qualified "UJ".

Antimony
MEBHR5, MEBHR6, MEBHR7, MEBHR8
MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4
MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0
MEBHT1, MEBHT2

Copper
MEBHR5, MEBHR6, MEBHR7, MEBHR8
MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4
MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0
MEBHT1, MEBHT2

Cyanide
MEBHR5, MEBHR6, MEBHR7, MEBHR8
MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4
MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0
MEBHT1, MEBHT2

No problems were found for the laboratory control sample.

5. LABORATORY AND FIELD DUPLICATE

DC-256: The following inorganic samples are associated with duplicate results which did not meet relative percent difference (RPD) primary criteria.
Hits and non-detects are qualified "J".

Copper
MEBHR5, MEBHR6, MEBHR7, MEBHR8, MEBHR9
MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4, MEBHS5
MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0, MEBHT1
MEBHT2

Zinc
MEBHR5, MEBHR6, MEBHR7, MEBHR8, MEBHR9
MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4, MEBHS5
MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0, MEBHT1
MEBHT2

Reviewed By: J. Ganz
Date: July 15, 1998

Case Number : 26245
Site Name: Steel City Nat. Bank

SDG Number: MEBHR5
Laboratory: Sentinel

6. ICP ANALYSIS

DC-294: The following inorganic samples are associated with an ICP serial dilution percent difference which is not in control. Hits and non-detects are qualified "J".

Copper
MEBHR5, MEBHR6, MEBHR7, MEBHR8
MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4
MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0
MEBHT1, MEBHT2

DC-295: The following inorganic samples are associated with an ICP serial dilution percent difference which is not in control. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are flagged "J".

Calcium
MEBHR5, MEBHR6, MEBHR7, MEBHR8, MEBHR9
MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4, MEBHS5
MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0, MEBHT1
MEBHT2

Magnesium
MEBHR5, MEBHR6, MEBHR7, MEBHR8, MEBHR9
MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4, MEBHS5
MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0, MEBHT1
MEBHT2

Nickel
MEBHR5, MEBHR6, MEBHR7, MEBHR8
MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4
MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0
MEBHT1, MEBHT2

Potassium
MEBHR5, MEBHR6, MEBHR7, MEBHR8, MEBHR9
MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4, MEBHS5
MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0, MEBHT1
MEBHT2

Zinc
MEBHR5, MEBHR6, MEBHR7, MEBHR8
MEBHR9, MEBHS0, MEBHS1, MEBHS2, MEBHS3, MEBHS4
MEBHS5, MEBHS6, MEBHS7, MEBHS8, MEBHS9, MEBHT0
MEBHT1, MEBHT2

The zinc result on MEBHS0 was reported as a non-detect; however, the raw data indicates that the concentration was too high to be read by the instrument. This result is qualified "R" as unusable. The

Reviewed By: J. Ganz
Date: July 15, 1998

FILE NAME: MEBHR5 DATE: 07/15/98 TIME: 08:55

CRITERIA FILE: FGDR194

DATA

	riginal
X	Qualified

QUALIFICATIONS PERFORMED

	Quantitation Limit		CRDL Standards
	Percent Moisture	X	ICS
X	Holding Time	X	LCS
X	Calibrations	X	Duplicates
X	Matrix Spikes		Furnace AA QC
	IPC	X	ICP Serial Dilutions
	Internal Standards	X	Sample Results Verification
	SMC/Surrogates	X	Laboratory Blanks
	System Performance		Field QC
	Sample Cleanup		

PRINT NON-DETECTS

X	Yes		No

PRINT REJECTED RESULTS

X	Yes		No

TAL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: MEBHR5

Site: Steel City Nat. Bank
Laboratory: SENTINEL, INC.

EPA SAMPLE NUMBER:	MEBHR5		MEBHR6		MEBHR7		MEBHR8		MEBHR9	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:										
PERCENT SOLID:	86.3		45.6		82.8		70.0		72.8	
INORG										
Aluminum	11900		26700		258000		214000		234000	
Antimony	0.70	UJ	6	J	27.4	J	25.9	J	141	J
Arsenic	6.9		4.5	J	6.3		6.8		10.8	
Barium	157		188		180		153		156	
Beryllium	0.70		1.2		1.4		1.1		4.1	
Cadmium	1.3		8.2		19.7		30.3		181	
Calcium	22600	J	81200	J	7560	J	12700	J	17900	J
Chromium	20.4		121		467		492		500	
Cobalt	8.4		10.7		17.8		15.7		15.2	
Copper	73.4	J	1080	J	9520	J	8440	J	7790	J
Iron	18300		24600		16000		43800		59700	
Lead	167		367		1510		1340		1980	
Magnesium	10400	J	33100	J	13300	J	12100	J	9330	J
Manganese	369		1090		1320		1320		3460	
Mercury	0.10	U	0.40		0.20		0.70		9.1	
Nickel	20.8	J	71.5	J	379	J	314	J	400	J
Potassium	1600	J	1080	J	924	J	947	J	792	J
Selenium	0.50	U	1.9	J	11.2		24.6		48.6	
Silver	0.50	J	2.9		5.6		7		10	
Sodium	252		419		542		256		436	
Thallium	1.1	U	2	U	1.1	U	1.3	U	1.2	U
Vanadium	23.4		40.9		34.2		33		81.2	
Zinc	252	J	1950	J	5220	J	5060	J	8870	J
Cyanide	0.40	J	0.40	J	1.2	J	1.4	J	1.9	J

FILE NAME: MEBHR5 DATE: 07/15/98 TIME: 08:55 CADRE98

Water units are reported in ug/L.
Soil units are reported in mg/Kg.

TAL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: MEBHR5

Site: Steel City Nat. Bank
Laboratory: SENTINEL, INC.

EPA SAMPLE NUMBER:	MEBHS0		MEBHS1		MEBHS2		MEBHS3		MEBHS4	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:										
PERCENT SOLID:	84.6		79.3		81.3		65.6		84.9	
INORG										
Aluminum	124000		291000		216000		231000		263000	
Antimony	27.5	J	106	J	270	J	25.9	J	51.2	J
Arsenic	1.6	J	3.6	J	6.8		0.90	U	8.7	
Barium	61		214		249		662		215	
Beryllium	0.50		1		1.1		0.80		2.1	
Cadmium	22		29.6		108		4.3		18.6	
Calcium	2950	J	8240	J	5880	J	10200	J	4870	J
Chromium	174		333		576		553		291	
Cobalt	7		13.9		11.1		16.6		9.2	
Copper	6540	J	18900	J	8180	J	4160	J	9540	J
Iron	21900		44500		31100		8400		10300	
Lead	783		3470		1390		1300		1420	
Magnesium	5030	J	5910	J	9750	J	11300	J	6260	J
Manganese	710		1410		1490		894		1350	
Mercury	0.20		0.30		5.7		0.10	U	0.10	U
Nickel	204	J	433	J	664	J	115	J	557	J
Potassium	311	J	319	J	796	J	749	J	7770	J
Selenium	2.7	J	1.1	J	57.8		1.8	J	180	
Silver	10		49.8		7.6		4.2		6.3	
Sodium	19700	J	389		665		179	J	6040	
Thallium	1.1	U	1.2	U	1.1	U	1.4	U	1.1	U
Vanadium	20.5		37.2		30.1		27.9		39.9	
Zinc	0.60	R	12100	J	11300	J	3300	J	6670	J
Cyanide	0.40	J	0.40	J	1.7	J	1.1	J	1	J

FILE NAME: MEBHR5 DATE: 07/15/98 TIME: 08:55 CADRE98

Water units are reported in ug/L.
Soil units are reported in mg/Kg.

TAL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: MEBHR5

Site: Steel City Nat. Bank
Laboratory: SENTINEL, INC.

EPA SAMPLE NUMBER:	MEBHS5		MEBHS6		MEBHS7		MEBHS8		MEBHS9	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:										
PERCENT SOLID:	71.9		70.8		70.3		65.5		74.9	
INORG										
Aluminum	284000		270000		11900		10200		11000	
Antimony	29.2	J	24.7	J	0.90	UJ	1	J	0.80	UJ
Arsenic	4.4	J	1.8	J	8		6.7		8.9	
Barium	226		146		113		76.3		73.3	
Beryllium	1.9		2.2		0.60		0.60		0.70	
Cadmium	8.9		9.6		0.80		1.3		3	
Calcium	4000	J	3800	J	8750	J	19500	J	21600	J
Chromium	385		422		18.1		22.6		15.9	
Cobalt	8.5		8.8		10.3		11.8		10.9	
Copper	9190	J	9160	J	30.7	J	58.6	J	31.8	J
Iron	11900		9760		19500		19600		22500	
Lead	1060		1070		71		90.7		29.1	
Magnesium	11900	J	12300	J	5750	J	11500	J	13700	J
Manganese	1030		1040		301		322		312	
Mercury	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Nickel	352	J	426	J	21.1	J	25.1	J	28.3	J
Potassium	866	J	431	J	2780	J	1700	J	1590	J
Selenium	3.4	J	2.3	J	0.60	U	0.60	U	0.50	U
Silver	4.7		4.3		0.70	J	1	J	0.60	J
Sodium	388		263		487		215	J	220	J
Thallium	1.3	U	1.3	U	1.3	U	1.4	U	1.2	U
Vanadium	34.3		31.2		23.4		20.4		23.8	
Zinc	6240	J	6470	J	130	J	201	J	99	J
Cyanide	0.80	J	0.90	J	0.070	UJ	0.080	UJ	0.080	J

FILE NAME: MEBHR5 DATE: 07/15/98 TIME: 08:55 CADRE98

Water units are reported in ug/L.
Soil units are reported in mg/Kg.

TAL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: MEBHR5

Site: Steel City Nat. Bank
Laboratory: SENTINEL, INC.

EPA SAMPLE NUMBER:	MEBHT0		MEBHT1		MEBHT2					
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:										
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample					
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low					
DILUTION FACTOR:										
PERCENT SOLID:	77.7		74.5		69.8					
INORG										
Aluminum	6340		325000		19900					
Antimony	0.80	UJ	25.5	J	1.4	J				
Arsenic	5	J	2.8	J	9					
Barium	29.5		23.2		93.9					
Beryllium	0.40		1.2		0.90					
Cadmium	0.40		4.7		2.1					
Calcium	9930	J	3460	J	1830	J				
Chromium	11		275		21.4					
Cobalt	6.6		3.9		12					
Copper	21	J	16100	J	151	J				
Iron	14700		3670		23700					
Lead	22.5		435		59.6					
Magnesium	6760	J	3460	J	3260	J				
Manganese	155		1350		648					
Mercury	0.10	U	0.10	U	0.10	U				
Nickel	16.2	J	170	J	24.8	J				
Potassium	1160	J	621	J	2070	J				
Selenium	0.50	U	10.8		0.60	U				
Silver	0.50	J	5.7		1	J				
Sodium	177	J	324		214	J				
Thallium	1.2	U	1.2	U	1.3	U				
Vanadium	14.6		29.8		31.1					
Zinc	79.5	J	11300	J	201	J				
Cyanide	0.080	J	0.30	J	0.60	J				

FILE NAME: MEBHR5 DATE: 07/15/98 TIME: 08:55 CADRE98

Water units are reported in ug/L.
Soil units are reported in mg/Kg.

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 26245
SITE: Steel City Nat. Bank
MATRIX: Soil
WATER SAMPLE SPK:

DATA SET: MEBHRS
LAB: Sentinel
CONC: low
WATER SAMPLE DUP:

LAB QC #
REVIEWED BY: J. Ganz
SOIL SAMPLE SPK:

DATE: 7-14-98
SOIL SAMPLE DUP:

FORM #		FORM 2	FORM 2	FORM 3	FORM 3	FORM 3	FORM 4	FORM 5	FORM 6	FORM 7	FORM 7	FORM 9	FORM 9	FORM 6	FORM 5	FIELD	FIELD	FIELD	FIELD		
ELEMENT	HOLD TIME	INITIAL CALIB	CONTI N CALIB	CALIB BLANK	PREP WATER BLANK	PREP SOIL BLANK	ICS %R	SOIL SPIKE %R	SOIL DUP RPD	LCS AQ	LCS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP RPD	AQ SPIKE %R	BLANK	DUP RPD	BLANK	DUP RPD	GFAA DUP	GFAA ANALYT SPIKE
ALUMINUM																					
ANTIMONY				3.8				45.7													
ARSENIC				4.2																	
BARIUM																					
BERYLLIUM																					
CADMIUM																					
CALCIUM													19.9								
CHROMIUM																					
COBALT																					
COPPER								63.0	46.0				17.1								
IRON																					
LEAD																					
MAGNESIUM													13.0								
MANGANESE																					
MERCURY																					
NICKEL													14.3								
POTASSIUM													11.6								
SELENIUM				4.1																	
SILVER				1,-.8																	
SODIUM				-167																	
THALLIUM																					
TIN																					
VANADIUM																					
ZINC									41.0				10.9								
CYANIDE						.152		73.2													

Sb: R6, S8, T2
As: R6, , S1, S5, S6, T0, T1
Ag(+): R5, S7-S9, T0, T2
Ag(-): R5, S7-S9, T0, T2
CN: R5, R6, S0, S1, S9, T0-T2

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

SOW No.: ILM04.0

EPA Sample No.	Lab Sample ID.
MEBHR5	12719S
MEBHR5D	12719S2
MEBHR5S	12719DS
MEBHR6	12720S
MEBHR7	12721S
MEBHR8	12722S
MEBHR9	12723S
MEBHS0	12724S
MEBHS1	12725S
MEBHS2	12726S
MEBHS3	12727S
MEBHS4	12728S
MEBHS5	12729S
MEBHS6	12730S
MEBHS7	12731S
MEBHS8	12732S
MEBHS9	12733S
MEBHT0	12734S
MEBHT1	12735S
MEBHT2	12736S

RECEIVED
JUL 8, 1998
US EPA ... NAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

Were ICP interelement corrections applied? Yes/No YES
Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: Analyte concentrations are estimated for calcium, copper, magnesium, nickel, potassium, and zinc due to possible matrix interferences.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: [signature] Name: BAKIgore

Date: 6/26/98 Title: QAOfcr

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHR5

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12719S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 86.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11900		*	P
7440-36-0	Antimony	0.72	U	N	P
7440-38-2	Arsenic	6.9			P
7440-39-3	Barium	157		*	P
7440-41-7	Beryllium	0.69	B		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	22600		*E	P
7440-47-3	Chromium	20.4			P
7440-48-4	Cobalt	8.4	B		P
7440-50-8	Copper	73.4		N*E	P
7439-89-6	Iron	18300			P
7439-92-1	Lead	167			P
7439-95-4	Magnesium	10400		*E	P
7439-96-5	Manganese	369			P
7439-97-6	Mercury	0.12	U	*	CV
7440-02-0	Nickel	20.8		E	P
7440-09-7	Potassium	1600		E	P
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.52	B		P
7440-23-5	Sodium	252	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	23.4			P
7440-66-6	Zinc	252		*E	P
	Cyanide	0.36	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHR6

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12720S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 45.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26700		*	P
7440-36-0	Antimony	6.0	B	N	P
7440-38-2	Arsenic	4.5			P
7440-39-3	Barium	188		*	P
7440-41-7	Beryllium	1.2	B		P
7440-43-9	Cadmium	8.2			P
7440-70-2	Calcium	81200		*E	P
7440-47-3	Chromium	121			P
7440-48-4	Cobalt	10.7	B		P
7440-50-8	Copper	1080		N*E	P
7439-89-6	Iron	24600			P
7439-92-1	Lead	367			P
7439-95-4	Magnesium	33100		*E	P
7439-96-5	Manganese	1090			P
7439-97-6	Mercury	0.35		*	CV
7440-02-0	Nickel	71.5		E	P
7440-09-7	Potassium	1080	B	E	P
7782-49-2	Selenium	1.9	B		P
7440-22-4	Silver	2.9	B		P
7440-23-5	Sodium	419	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	40.9			P
7440-66-6	Zinc	1950		*E	P
	Cyanide	0.38	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHR7

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12721S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 82.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	258000		*	P
7440-36-0	Antimony	27.4		N	P
7440-38-2	Arsenic	6.3			P
7440-39-3	Barium	180		*	P
7440-41-7	Beryllium	1.4			P
7440-43-9	Cadmium	19.7			P
7440-70-2	Calcium	7560		*E	P
7440-47-3	Chromium	467			P
7440-48-4	Cobalt	17.8			P
7440-50-8	Copper	9520		N*E	P
7439-89-6	Iron	16000			P
7439-92-1	Lead	1510			P
7439-95-4	Magnesium	13300		*E	P
7439-96-5	Manganese	1320			P
7439-97-6	Mercury	0.25		*	CV
7440-02-0	Nickel	379		E	P
7440-09-7	Potassium	924	B	E	P
7782-49-2	Selenium	11.2			P
7440-22-4	Silver	5.6			P
7440-23-5	Sodium	542	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	34.2			P
7440-66-6	Zinc	5220		*E	P
	Cyanide	1.2		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHR8

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12722S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 70.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	214000		*	P
7440-36-0	Antimony	25.9		N	P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	153		*	P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	30.3			P
7440-70-2	Calcium	12700		*E	P
7440-47-3	Chromium	492			P
7440-48-4	Cobalt	15.7			P
7440-50-8	Copper	8440		N*E	P
7439-89-6	Iron	43800			P
7439-92-1	Lead	1340			P
7439-95-4	Magnesium	12100		*E	P
7439-96-5	Manganese	1320			P
7439-97-6	Mercury	0.69		*	CV
7440-02-0	Nickel	314		E	P
7440-09-7	Potassium	947	B	E	P
7782-49-2	Selenium	24.7			P
7440-22-4	Silver	7.0			P
7440-23-5	Sodium	257	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	33.0			P
7440-66-6	Zinc	5060		*E	P
	Cyanide	1.4		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHR9

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12723S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 72.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	234000		*	P
7440-36-0	Antimony	141		N	P
7440-38-2	Arsenic	10.8			P
7440-39-3	Barium	156		*	P
7440-41-7	Beryllium	4.1			P
7440-43-9	Cadmium	181			P
7440-70-2	Calcium	17900		*E	P
7440-47-3	Chromium	500			P
7440-48-4	Cobalt	15.2			P
7440-50-8	Copper	7790		N*E	P
7439-89-6	Iron	59700			P
7439-92-1	Lead	1980			P
7439-95-4	Magnesium	9330		*E	P
7439-96-5	Manganese	3470			P
7439-97-6	Mercury	9.1		*	CV
7440-02-0	Nickel	400		E	P
7440-09-7	Potassium	792	B	E	P
7782-49-2	Selenium	48.6			P
7440-22-4	Silver	10.0			P
7440-23-5	Sodium	436	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	81.2			P
7440-66-6	Zinc	8870		*E	P
	Cyanide	1.9		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHS0

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12724S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 84.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	124000		*	P
7440-36-0	Antimony	27.5		N	P
7440-38-2	Arsenic	1.6	B		P
7440-39-3	Barium	61.0		*	P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	22.0			P
7440-70-2	Calcium	2950		*E	P
7440-47-3	Chromium	174			P
7440-48-4	Cobalt	6.9	B		P
7440-50-8	Copper	6550		N*E	P
7439-89-6	Iron	21900			P
7439-92-1	Lead	783			P
7439-95-4	Magnesium	5030		*E	P
7439-96-5	Manganese	710			P
7439-97-6	Mercury	0.20		*	CV
7440-02-0	Nickel	204		E	P
7440-09-7	Potassium	311	B	E	P
7782-49-2	Selenium	2.7			P
7440-22-4	Silver	10.0			P
7440-23-5	Sodium	19700			P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	20.5			P
7440-66-6	Zinc	0.63	U	*E	P
	Cyanide	0.45	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHS1

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12725S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 79.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	291000		*	P
7440-36-0	Antimony	106		N	P
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	214		*	P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	29.6			P
7440-70-2	Calcium	8250		*E	P
7440-47-3	Chromium	333			P
7440-48-4	Cobalt	13.9			P
7440-50-8	Copper	18900		N*E	P
7439-89-6	Iron	44500			P
7439-92-1	Lead	3470			P
7439-95-4	Magnesium	5910		*E	P
7439-96-5	Manganese	1410			P
7439-97-6	Mercury	0.27		*	CV
7440-02-0	Nickel	433		E	P
7440-09-7	Potassium	319	B	E	P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	49.8			P
7440-23-5	Sodium	389	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	37.1			P
7440-66-6	Zinc	12100		*E	P
	Cyanide	0.37	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHS2

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12726S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 81.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	216000		*	P
7440-36-0	Antimony	270		N	P
7440-38-2	Arsenic	6.8			P
7440-39-3	Barium	249		*	P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	108			P
7440-70-2	Calcium	5880		*E	P
7440-47-3	Chromium	576			P
7440-48-4	Cobalt	11.1	B		P
7440-50-8	Copper	8180		N*E	P
7439-89-6	Iron	31100			P
7439-92-1	Lead	1390			P
7439-95-4	Magnesium	9750		*E	P
7439-96-5	Manganese	1490			P
7439-97-6	Mercury	5.7		*	CV
7440-02-0	Nickel	664		E	P
7440-09-7	Potassium	796	B	E	P
7782-49-2	Selenium	57.8			P
7440-22-4	Silver	7.6			P
7440-23-5	Sodium	665	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	30.1			P
7440-66-6	Zinc	11300		*E	P
	Cyanide	1.7		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHS3

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12727S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 65.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	231000		*	P
7440-36-0	Antimony	25.9		N	P
7440-38-2	Arsenic	0.94	U		P
7440-39-3	Barium	662		*	P
7440-41-7	Beryllium	0.79	B		P
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium	10200		*E	P
7440-47-3	Chromium	553			P
7440-48-4	Cobalt	16.6			P
7440-50-8	Copper	4160		N*E	P
7439-89-6	Iron	8400			P
7439-92-1	Lead	1300			P
7439-95-4	Magnesium	11300		*E	P
7439-96-5	Manganese	894			P
7439-97-6	Mercury	0.14	U	*	CV
7440-02-0	Nickel	115		E	P
7440-09-7	Potassium	749	B	E	P
7782-49-2	Selenium	1.8			P
7440-22-4	Silver	4.2			P
7440-23-5	Sodium	179	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	27.9			P
7440-66-6	Zinc	3300		*E	P
	Cyanide	1.1		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEBHS4

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12728S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 84.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	263000		*	P
7440-36-0	Antimony	51.2		N	P
7440-38-2	Arsenic	8.7			P
7440-39-3	Barium	215		*	P
7440-41-7	Beryllium	2.1			P
7440-43-9	Cadmium	18.6			P
7440-70-2	Calcium	4870		*E	P
7440-47-3	Chromium	291			P
7440-48-4	Cobalt	9.2	B		P
7440-50-8	Copper	9540		N*E	P
7439-89-6	Iron	10300			P
7439-92-1	Lead	1420			P
7439-95-4	Magnesium	6260		*E	P
7439-96-5	Manganese	1350			P
7439-97-6	Mercury	0.11	U	*	CV
7440-02-0	Nickel	557		E	P
7440-09-7	Potassium	7770		E	P
7782-49-2	Selenium	180			P
7440-22-4	Silver	6.3			P
7440-23-5	Sodium	6040			P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	39.9			P
7440-66-6	Zinc	6670		*E	P
	Cyanide	1.0		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

MEBHS5

INORGANIC ANALYSIS DATA SHEET

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12729S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 71.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	284000		*	P
7440-36-0	Antimony	29.2		N	P
7440-38-2	Arsenic	4.4			P
7440-39-3	Barium	226		*	P
7440-41-7	Beryllium	1.9			P
7440-43-9	Cadmium	8.9			P
7440-70-2	Calcium	4000		*E	P
7440-47-3	Chromium	385			P
7440-48-4	Cobalt	8.5	B		P
7440-50-8	Copper	9190		N*E	P
7439-89-6	Iron	11900			P
7439-92-1	Lead	1060			P
7439-95-4	Magnesium	11900		*E	P
7439-96-5	Manganese	1030			P
7439-97-6	Mercury	0.14	U	*	CV
7440-02-0	Nickel	353		E	P
7440-09-7	Potassium	866	B	E	P
7782-49-2	Selenium	3.4			P
7440-22-4	Silver	4.7			P
7440-23-5	Sodium	388	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	34.3			P
7440-66-6	Zinc	6240		*E	P
	Cyanide	0.84		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHS6

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12730S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 70.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	270000		*	P
7440-36-0	Antimony	24.7		N	P
7440-38-2	Arsenic	1.8	B		P
7440-39-3	Barium	146		*	P
7440-41-7	Beryllium	2.2			P
7440-43-9	Cadmium	9.6			P
7440-70-2	Calcium	3800		*E	P
7440-47-3	Chromium	422			P
7440-48-4	Cobalt	8.8	B		P
7440-50-8	Copper	9160		N*E	P
7439-89-6	Iron	9760			P
7439-92-1	Lead	1070			P
7439-95-4	Magnesium	12300		*E	P
7439-96-5	Manganese	1040			P
7439-97-6	Mercury	0.14	U	*	CV
7440-02-0	Nickel	426		E	P
7440-09-7	Potassium	431	B	E	P
7782-49-2	Selenium	2.3			P
7440-22-4	Silver	4.3			P
7440-23-5	Sodium	263	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	31.2			P
7440-66-6	Zinc	6470		*E	P
	Cyanide	0.95		N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHS7

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12731S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 70.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11900		*	P
7440-36-0	Antimony	0.88	U	N	P
7440-38-2	Arsenic	8.0			P
7440-39-3	Barium	113		*	P
7440-41-7	Beryllium	0.65	B		P
7440-43-9	Cadmium	0.79	B		P
7440-70-2	Calcium	8750		*E	P
7440-47-3	Chromium	18.1			P
7440-48-4	Cobalt	10.3	B		P
7440-50-8	Copper	30.7		N*E	P
7439-89-6	Iron	19500			P
7439-92-1	Lead	71.0			P
7439-95-4	Magnesium	5750		*E	P
7439-96-5	Manganese	301			P
7439-97-6	Mercury	0.14	U	*	CV
7440-02-0	Nickel	21.1		E	P
7440-09-7	Potassium	2780		E	P
7782-49-2	Selenium	0.57	U		P
7440-22-4	Silver	0.70	B		P
7440-23-5	Sodium	487	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	23.4			P
7440-66-6	Zinc	130		*E	P
	Cyanide	0.07	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHS8

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12732S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 65.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200		*	P
7440-36-0	Antimony	1.0	B	N	P
7440-38-2	Arsenic	6.7			P
7440-39-3	Barium	76.3		*	P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	19500		*E	P
7440-47-3	Chromium	22.6			P
7440-48-4	Cobalt	11.8	B		P
7440-50-8	Copper	58.6		N*E	P
7439-89-6	Iron	19600			P
7439-92-1	Lead	90.7			P
7439-95-4	Magnesium	11500		*E	P
7439-96-5	Manganese	322			P
7439-97-6	Mercury	0.15	U	*	CV
7440-02-0	Nickel	25.1		E	P
7440-09-7	Potassium	1710		E	P
7782-49-2	Selenium	0.60	U		P
7440-22-4	Silver	0.99	B		P
7440-23-5	Sodium	215	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	20.4			P
7440-66-6	Zinc	201		*E	P
	Cyanide	0.08	U	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHS9

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12733S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 74.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000		*	P
7440-36-0	Antimony	0.80	U	N	P
7440-38-2	Arsenic	8.9			P
7440-39-3	Barium	73.3		*	P
7440-41-7	Beryllium	0.68	B		P
7440-43-9	Cadmium	3.0			P
7440-70-2	Calcium	21600		*E	P
7440-47-3	Chromium	15.9			P
7440-48-4	Cobalt	10.9	B		P
7440-50-8	Copper	31.8		N*E	P
7439-89-6	Iron	22500			P
7439-92-1	Lead	29.1			P
7439-95-4	Magnesium	13700		*E	P
7439-96-5	Manganese	312			P
7439-97-6	Mercury	0.12	U	*	CV
7440-02-0	Nickel	28.3		E	P
7440-09-7	Potassium	1590		E	P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.63	B		P
7440-23-5	Sodium	220	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	99.0		*E	P
	Cyanide	0.08	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHT0

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12734S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 77.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6340		*	P
7440-36-0	Antimony	0.80	U	N	P
7440-38-2	Arsenic	5.0			P
7440-39-3	Barium	29.5	B	*	P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	9930		*E	P
7440-47-3	Chromium	11.0			P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	21.1		N*E	P
7439-89-6	Iron	14700			P
7439-92-1	Lead	22.5			P
7439-95-4	Magnesium	6770		*E	P
7439-96-5	Manganese	155			P
7439-97-6	Mercury	0.12	U	*	CV
7440-02-0	Nickel	16.2		E	P
7440-09-7	Potassium	1160	B	E	P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.51	B		P
7440-23-5	Sodium	177	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	14.6			P
7440-66-6	Zinc	79.5		*E	P
	Cyanide	0.08	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHT1

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12735S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 74.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	325000		*	P
7440-36-0	Antimony	25.5		N	P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	23.2	B	*	P
7440-41-7	Beryllium	1.2	B		P
7440-43-9	Cadmium	4.7			P
7440-70-2	Calcium	3460		*E	P
7440-47-3	Chromium	275			P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	16100		N*E	P
7439-89-6	Iron	3670			P
7439-92-1	Lead	435			P
7439-95-4	Magnesium	3470		*E	P
7439-96-5	Manganese	1350			P
7439-97-6	Mercury	0.13	U	*	CV
7440-02-0	Nickel	170		E	P
7440-09-7	Potassium	621	B	E	P
7782-49-2	Selenium	10.8			P
7440-22-4	Silver	5.7			P
7440-23-5	Sodium	324	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	29.8			P
7440-66-6	Zinc	11300		*E	P
	Cyanide	0.28	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MEBHT2

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Lab Sample ID: 12736S

Level (low/med): LOW Date Received: 06/05/98

% Solids: 69.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19900		*	P
7440-36-0	Antimony	1.4	B	N	P
7440-38-2	Arsenic	9.0			P
7440-39-3	Barium	93.9		*	P
7440-41-7	Beryllium	0.93	B		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	1830		*E	P
7440-47-3	Chromium	21.4			P
7440-48-4	Cobalt	12.0	B		P
7440-50-8	Copper	151		N*E	P
7439-89-6	Iron	23700			P
7439-92-1	Lead	59.6			P
7439-95-4	Magnesium	3260		*E	P
7439-96-5	Manganese	648			P
7439-97-6	Mercury	0.14	U	*	CV
7440-02-0	Nickel	24.8		E	P
7440-09-7	Potassium	2070		E	P
7782-49-2	Selenium	0.57	U		P
7440-22-4	Silver	1.0	B		P
7440-23-5	Sodium	214	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	31.1			P
7440-66-6	Zinc	201		*E	P
	Cyanide	0.61	B	N	CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

3

BLANKS

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	-23.0	B	14.9	U	14.9	U	14.9	U	2.980	U	P
Antimony	3.1	U	3.8	B	3.1	U	3.1	U	0.620	U	P
Arsenic	3.1	U	4.2	B	3.1	U	3.5	B	0.620	U	P
Barium	0.9	B	1.2	B	1.4	B	1.0	B	0.080	U	P
Beryllium	0.1	B	0.1	U	0.1	B	0.1	B	0.020	U	P
Cadmium	0.3	U	0.3	B	0.3	U	0.3	U	0.060	U	P
Calcium	38.8	B	90.9	B	34.4	B	83.4	B	13.655	B	P
Chromium	0.6	U	0.6	B	0.6	U	0.6	U	0.120	U	P
Cobalt	1.2	U	1.2	B	1.2	U	1.2	U	0.240	U	P
Copper	0.8	U	1.5	B	3.0	B	0.8	U	0.160	U	P
Iron	12.3	U	38.5	B	24.1	B	23.4	B	4.422	B	P
Lead	1.9	U	1.9	U	1.9	U	1.9	U	0.380	U	P
Magnesium	42.8	B	92.0	B	37.2	B	75.1	B	11.590	B	P
Manganese	0.2	B	0.4	B	0.8	B	0.3	B	0.208	B	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.100	U	CV
Nickel	1.9	B	2.6	B	1.9	B	1.7	U	0.340	U	P
Potassium	32.9	B	40.0	B	14.0	B	12.1	U	2.420	U	P
Selenium	2.8	B	4.1	B	2.0	U	3.1	B	0.400	U	P
Silver	0.8	U	1.0	B	0.8	U	0.8	U	0.160	U	P
Sodium	146.6	U	146.6	U	146.6	U	146.6	U	29.320	U	P
Thallium	4.6	U	4.6	U	4.6	U	4.6	U	0.920	U	P
Vanadium	0.8	U	1.0	B	0.8	B	0.8	U	0.160	U	P
Zinc	2.7	U	2.7	U	2.7	U	4.4	B	0.540	U	P
Cyanide	1.0	U	1.0	U	1.0	U			0.050	U	CA

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BLANKS

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			14.9	U	14.9	U					P
Antimony			3.1	U	3.1	U					P
Arsenic			3.1	U	3.1	U					P
Barium			1.0	B	1.0	B					P
Beryllium			0.1	B	0.1	B					P
Cadmium			0.3	U	0.3	U					P
Calcium			26.4	U	88.1	B					P
Chromium			0.6	U	0.6	U					P
Cobalt			1.2	U	1.2	U					P
Copper			1.2	B	0.8	U					P
Iron			12.7	B	22.0	B					P
Lead			1.9	U	1.9	U					P
Magnesium			26.9	B	70.9	B					P
Manganese			0.5	B	0.3	B					P
Mercury			0.2	U							CV
Nickel			1.7	U	1.8	B					P
Potassium			12.1	U	12.1	U					P
Selenium			3.3	B	3.2	B					P
Silver			-0.8	B	0.8	U					P
Sodium			146.6	U	-166.9	B					P
Thallium			4.6	U	4.6	U					P
Vanadium			0.8	U	0.8	U					P
Zinc			2.9	B	2.7	U					P
Cyanide	1.0	U	1.0	U	1.0	U	1.0	U	0.152	B	CA

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BLANKS

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Preparation Blank Matrix (soil/water):

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	-35.4	B	-30.0	B	-36.6	B	14.9	U			P
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper	0.8	U	-6.2	B	-0.8	B	-1.2	B			P
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury	0.2	U	0.2	U	0.2	U					CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide			1.0	U							CA

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEBHR5S

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.3

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	52.9075		0.7184	U	115.87	45.7	N	P
Arsenic	75-125	14.7937		6.8614		9.27	85.6		P
Barium	75-125	563.9147		156.8250		463.50	87.8		P
Beryllium	75-125	12.5404		0.6911	B	11.59	102.2		P
Cadmium	75-125	12.6188		1.2846		11.59	97.8		P
lcium									NR
ıromium	75-125	64.1022		20.4276		46.35	94.2		P
Cobalt	75-125	127.6076		8.4232	B	115.87	102.9		P
Copper	75-125	109.9071		73.3933		57.94	63.0	N	P
Iron									NR
Lead		154.5312		166.7166		4.63	-263.2		P
Magnesium									NR
Manganese	75-125	486.2990		368.7196		115.87	101.5		P
Mercury	75-125	0.7010		0.1159	U	0.58	120.9		CV
Nickel	75-125	136.6561		20.8213		115.87	100.0		P
Potassium									NR
Selenium	75-125	2.0660		0.4635	U	2.32	89.1		P
Silver	75-125	9.8774		0.5231	B	11.59	80.7		P
Sodium									NR
Thallium	75-125	11.3641		1.0660	U	11.59	98.1		P
Vanadium	75-125	136.6480		23.3583		115.87	97.8		P
Zinc	75-125	367.3061		251.9954		115.87	99.5		P
Cyanide	75-125	4.5938		0.3574	B	5.79	73.2	N	CA

Comments:

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MEBHR5A

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony		114.81		3.10	U	120.0	95.7		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper		837.93		316.69		633.4	82.3		P
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide		30.71		6.17	B	20.0	122.7		CA

Comments:

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6

DUPLICATES

EPA SAMPLE NO.

MEBHR5D

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.3 % Solids for Duplicate: 85.7

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		11932.3411		9178.6271		26.1	*	P
Antimony		0.7184	U	1.0762	B	200.0		P
Arsenic	2.3	6.8614		6.7388		1.8		P
Barium	46.3	156.8250		101.9666		42.4	*	P
Beryllium		0.6911	B	0.6313	B	9.0		P
Cadmium	1.2	1.2846		1.0577	B	19.4		P
Calcium		22616.2681		29689.8438		27.0	*	P
Chromium		20.4276		17.9465		12.9		P
Cobalt		8.4232	B	8.6732	B	2.9		P
Copper		73.3933		45.9659		46.0	*	P
Iron		18295.9884		15975.4452		13.5		P
Lead		166.7166		152.3555		9.0		P
Magnesium		10443.3258		14851.8783		34.9	*	P
Manganese		368.7196		369.0744		0.1		P
Mercury	0.1	0.1159	U	0.1217		200.0	*	CV
Nickel	9.3	20.8213		18.7998		10.2		P
Potassium	1158.7	1600.0459		1193.4918		29.1		P
Selenium		0.4635	U	0.4635	U			P
Silver		0.5231	B	0.6776	B	25.7		P
Sodium		252.4885	B	178.4396	B	34.4		P
Thallium		1.0660	U	1.0660	U			P
Vanadium	11.6	23.3583		19.0417		20.4		P
Zinc		251.9954		381.8468		41.0	*	P
Cyanide		0.3574	B	0.2502	B	35.3		CA

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

MEBHR5L

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Aluminum	51488.05		49925.14		3.0		P
Antimony	3.10	U	15.50	U			P
Arsenic	29.61		69.34		134.2		P
Barium	676.70		698.70	B	3.3		P
Beryllium	2.98	B	3.71	B	24.5		P
Cadmium	5.54		5.18	B	6.5		P
Calcium	97589.20		117047.50		19.9	E	P
Chromium	88.14		94.40		7.1		P
Cobalt	36.35	B	41.48	B	14.1		P
Copper	316.69		262.57		17.1	E	P
Iron	78947.19		84237.92		6.7		P
Lead	719.38		701.87		2.4		P
Magnesium	45062.95		50900.60		13.0	E	P
Manganese	1591.02		1719.38		8.1		P
Mercury							NR
Nickel	89.84		102.67	B	14.3	E	P
Potassium	6904.20		7703.58	B	11.6	E	P
Selenium	2.00	U	10.00	U			P
Silver	2.26	B	4.00	U	100.0		P
Sodium	1089.49	B	744.87	B	31.6		P
Thallium	4.60	U	23.00	U			P
Vanadium	100.79		109.44	B	8.6		P
Zinc	1087.36		1205.61		10.9	E	P

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

ICP ID Number: P3 Date: 04/15/98

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	14.9	P
Antimony	206.80		60	3.1	P
Arsenic	189.00		10	3.1	P
Barium	493.40		200	0.4	P
Beryllium	313.00		5	0.1	P
Cadmium	226.50		5	0.3	P
Calcium	317.90		5000	26.4	P
Chromium	267.70		10	0.6	P
Cobalt	228.60		50	1.2	P
Copper	324.70		25	0.8	P
Iron	271.40		100	12.3	P
Lead	220.30		3	1.9	P
Magnesium	279.00		5000	22.0	P
Manganese	257.60		15	0.2	P
Mercury			0.2		NR
Nickel	231.60		40	1.7	P
Potassium	766.40		5000	12.1	P
Selenium	196.00		5	2.0	P
Silver	328.00		10	0.8	P
Sodium	330.20		5000	146.6	P
Thallium	190.80		10	4.6	P
Vanadium	292.40		50	0.8	P
Zinc	206.20		20	2.7	P
Cyanide			10		NR

Comments:

P3: THERMO JARRELL ASH

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

ICP ID Number: Date: 04/10/98

Flame AA ID Number: C3

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:
C3: PERKIN-ELMER

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

ICP ID Number: Date: 04/15/98

Flame AA ID Number: C1

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide	578:00		10	1.0	CA

Comments:

C1: LACHAT

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	06/10/98	1.01	200
MEBHR5	06/10/98	1.00	200
MEBHR5D	06/10/98	1.00	200
MEBHR5S	06/10/98	1.00	200
MEBHR6	06/10/98	1.01	200
MEBHR7	06/10/98	1.00	200
MEBHR8	06/10/98	1.02	200
MEBHR9	06/10/98	1.01	200
MEBHS0	06/10/98	1.01	200
MEBHS1	06/10/98	1.00	200
MEBHS2	06/10/98	1.03	200
MEBHS3	06/10/98	1.01	200
MEBHS4	06/10/98	1.00	200
MEBHS5	06/10/98	1.00	200
MEBHS6	06/10/98	1.00	200
MEBHS7	06/10/98	1.00	200
MEBHS8	06/10/98	1.02	200
MEBHS9	06/10/98	1.04	200
MEBHT0	06/10/98	1.00	200
MEBHT1	06/10/98	1.00	200
MEBHT2	06/10/98	1.01	200
PBS	06/10/98	1.00	200

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PREPARATION LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	06/11/98	0.21	100
MEBHR5	06/11/98	0.20	100
MEBHR5D	06/11/98	0.20	100
MEBHR5S	06/11/98	0.20	100
MEBHR6	06/11/98	0.20	100
MEBHR7	06/11/98	0.20	100
MEBHR8	06/11/98	0.20	100
MEBHR9	06/11/98	0.21	100
MEBHS0	06/11/98	0.20	100
MEBHS1	06/11/98	0.20	100
MEBHS2	06/11/98	0.20	100
MEBHS3	06/11/98	0.22	100
MEBHS4	06/11/98	0.21	100
MEBHS5	06/11/98	0.20	100
MEBHS6	06/11/98	0.20	100
MEBHS7	06/11/98	0.21	100
MEBHS8	06/11/98	0.21	100
MEBHS9	06/11/98	0.22	100
MEBHT0	06/11/98	0.22	100
MEBHT1	06/11/98	0.21	100
MEBHT2	06/11/98	0.20	100
PBS	06/11/98	0.20	100

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PREPARATION LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	06/10/98	1.00	50
MEBHS9	06/10/98	1.00	50
MEBHT0	06/10/98	1.00	50
MEBHT1	06/10/98	1.00	50
MEBHT2	06/10/98	1.00	50
PBS	06/10/98	1.00	50
S100	06/10/98		50

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PREPARATION LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	06/12/98	1.00	50
MEBHR5	06/12/98	1.00	50
MEBHR5D	06/12/98	1.00	50
MEBHR5S	06/12/98	1.00	50
MEBHR6	06/12/98	1.00	50
MEBHR7	06/12/98	1.00	50
MEBHR8	06/12/98	1.00	50
MEBHR9	06/12/98	1.00	50
MEBHS0	06/12/98	1.00	50
MEBHS1	06/12/98	1.01	50
MEBHS2	06/12/98	1.00	50
MEBHS3	06/12/98	1.00	50
MEBHS4	06/12/98	1.00	50
MEBHS5	06/12/98	1.00	50
MEBHS6	06/12/98	1.00	50
MEBHS7	06/12/98	1.01	50
MEBHS8	06/12/98	1.00	50
PBS	06/12/98	1.00	50
S100	06/12/98		50

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ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: P3 Method: P

Start date: 06/22/98 End date: 06/22/98

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1724		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1731		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1737		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.00	1743		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1749			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1755		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1801		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1807		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1814		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBS	1.00	1820		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS	1.00	1826		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHR5L	5.00	1832		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHR5	1.00	1838		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHR5D	1.00	1844		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHR5S	1.00	1851			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MEBHR5A	1.00	1857			X																						
MEBHR6	1.00	1903		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHR7	1.00	1909			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1915		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1921		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHR8	1.00	1928			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHR9	1.00	1934			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS0	1.00	1940		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS1	1.00	1946			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS2	1.00	1952			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS3	1.00	1958			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	2005			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	2011		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	2017		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2023		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2029		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS4	1.00	2035			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: P3 Method: P

Start date: 06/22/98 End date: 06/22/98

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MEBHS5	1.00	2042			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS6	1.00	2048			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS7	1.00	2054		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS8	1.00	2100		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHS9	1.00	2106		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHT0	1.00	2112		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHT1	1.00	2119			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MEBHT2	1.00	2125		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2131		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2137		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	2143			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	2149		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	2156		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2202		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2208		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: P3 Method: P

Start date: 06/25/98 End date: 06/25/98

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0840		X									X														
S	1.00	0847		X									X														
ICV	1.00	0854		X									X														
ICB	1.00	0901		X									X														
CRI	1.00	0907											X														
ICSA	1.00	0913		X									X														
ICSAB	1.00	0919		X									X														
CCV	1.00	0925		X									X														
CCB	1.00	0931		X									X														
ZZZZZZ	10.00	0937																									
ZZZZZZ	10.00	0944																									
MEBHR7	10.00	0950		X																							
MEBHR8	10.00	0956		X																							
MEBHR9	10.00	1002		X																							
MEBHS1	10.00	1008		X																							
MEBHS2	10.00	1014		X																							
MEBHS3	10.00	1020		X																							
MEBHS4	10.00	1027		X																							
CCV	1.00	1033		X									X														
CCB	1.00	1039		X									X														
MEBHS5	10.00	1045		X																							
MEBHS6	10.00	1051		X																							
MEBHT1	10.00	1057		X																							
MEBHR5A	1.00	1103											X														
ZZZZZZ	1.00	1109																									
ZZZZZZ	1.00	1116																									
CRI	1.00	1122											X														
ICSA	1.00	1128		X									X														
ICSAB	1.00	1134		X									X														
CCV	1.00	1140		X									X														
CCB	1.00	1146		X									X														

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ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: C3 Method: CV

Start date: 06/11/98 End date: 06/11/98

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1059		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S0.2	1.00	1101		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S0.5	1.00	1104		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S1.0	1.00	1106		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S2.0	1.00	1109		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S5.0	1.00	1112		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
S10.0	1.00	1114		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ICV	1.00	1126		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
ICB	1.00	1129		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CRA	1.00	1131		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCV	1.00	1134		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1136		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
PBS	1.00	1139		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
LCSS	10.00	1141		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHR5	1.00	1144		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHR5D	1.00	1146		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHR5S	1.00	1149		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHR6	1.00	1151		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHR7	1.00	1154		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHR8	1.00	1156		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHR9	1.00	1159		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCV	1.00	1201		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
CCB	1.00	1204		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS0	1.00	1207		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS1	1.00	1209		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS2	1.00	1212		–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	–	–	–	–	–	–	–	–
MEBHS3	1.00	1214		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS4	1.00	1217		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS5	1.00	1219		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS6	1.00	1222		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS7	1.00	1224		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–
MEBHS8	1.00	1227		–	–	–	–	–	–	–	–	–	–	–	–	–	–	X	–	–	–	–	–	–	–	–	–

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: C3 Method: CV

Start date: 06/11/98 End date: 06/11/98

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.00	1229																X									
CCB	1.00	1232																X									
MEBHS9	1.00	1234																X									
MEBHT0	1.00	1237																X									
MEBHT1	1.00	1239																X									
MEBHT2	1.00	1242																X									
CCV	1.00	1244																X									
CCB	1.00	1247																X									

FORM XIV - IN ILM04.0

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: C3 Method: CV

Start date: 06/11/98 End date: 06/11/98

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1059																X									
S0.2	1.00	1101																X									
S0.5	1.00	1104																X									
S1.0	1.00	1106																X									
S2.0	1.00	1109																X									
S5.0	1.00	1112																X									
S10.0	1.00	1114																X									
ICV	1.00	1308																X									
ICB	1.00	1310																X									
[illegible]A	1.00	1313																X									
CCV	1.00	1315																X									
CCB	1.00	1318																X									
MEBHR9	10.00	1320																X									
MEBHS2	10.00	1323																X									
CCV	1.00	1325																X									
CCB	1.00	1328																X									

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: C1 Method: CA

Start date: 06/11/98 End date: 06/11/98

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1236																									X
S10.0	1.00	1237																									X
S50.0	1.00	1238																									X
S100.0	1.00	1239																									X
S200.0	1.00	1240																									X
S400.0	1.00	1241																									X
S100	1.00	1405																									X
ICV	1.00	1406																									X
ICB	1.00	1406																									X
CCV	1.00	1407																									X
CCB	1.00	1408																									X
PBS	1.00	1409																									X
LCSS	1.00	1410																									X
MEBHS9	1.00	1411																									X
MEBHT0	1.00	1411																									X
MEBHT1	1.00	1412																									X
MEBHT2	1.00	1413																									X
CCV	1.00	1414																									X
CCB	1.00	1415																									X

FORM XIV - IN ILM04.0

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: C1 Method: CA

Start date: 06/16/98 End date: 06/16/98

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1304																									X
S10.0	1.00	1305																									X
S50.0	1.00	1306																									X
S100.0	1.00	1306																									X
S200.0	1.00	1307																									X
S400.0	1.00	1308																									X
S100	1.00	1319																									X
ICV	1.00	1320																									X
ICB	1.00	1321																									X
CCV	1.00	1321																									X
CCB	1.00	1322																									X
[illegible]S	1.00	1323																									X
LCSS	1.00	1324																									X
MEBHR5	1.00	1325																									X
MEBHR5D	1.00	1326																									X
MEBHR5S	1.00	1326																									X
MEBHR6	1.00	1327																									X
MEBHR7	1.00	1328																									X
MEBHR8	1.00	1329																									X
MEBHR9	1.00	1330																									X
CCV	1.00	1331																									X
CCB	1.00	1332																									X
MEBHS0	1.00	1332																									X
MEBHS1	1.00	1333																									X
MEBHS2	1.00	1334																									X
MEBHS3	1.00	1335																									X
MEBHS4	1.00	1336																									X
MEBHS5	1.00	1337																									X
MEBHS6	1.00	1337																									X
MEBHS7	1.00	1338																									X
MEBHS8	1.00	1339																									X
CCV	1.00	1340																									X

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: SENTINEL, INC. Contract: 68-D6-0001

Lab Code: SENTIN Case No.: 26245 SAS No.: SDG No.: MEBHR5

Instrument ID Number: C1 Method: CA

Start date: 06/16/98 End date: 06/16/98

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1341																									X
MEBHR5A	1.00	1342																									X
CCV	1.00	1343																									X
CCB	1.00	1343																									X

FORM XIV - IN ILM04.0

EPA United States Environmental Protection Agency Contract Laboratory Program

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analyis)

Case No. 26245

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6. Ice only
7. Other (specify in Column D)
N. Not preserved

2. Region No. V
Sampling Co. IEPA
Sampler (Name) KEN CORKILL ~~MARK DENSMORE~~ 6-7-98 KWC
Sampler Signature Ken Corkill

3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI, ESI
Long-Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped 6/4/98
Carrier FED. EX.
Airbill Number 8046771871032

5. Ship To
SENTINEL, INC.
2800 BOB WALLACE AVE, SUITE L3
HUNTSVILLE, AL. 35805
ATTN: BEVERLY KILGORE

6. Date Received -- Received by: 6-5-98 MKClan
Laboratory Contract Number 68-D6 0001
Unit Price 65.00
7. Transfer to:
Date Received
Received by
Contract Number
Price

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other:	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 2) Other:	E – RAS Analysis: Diss. Metals	Total Metals	Cyanide	Low only: NO_2/NO_3	Fluoride	High only: pH	Conduct.	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
MEBHS7	5	L	G	6		X	X					5-139766	X201	6/3/98/1145	ECFL7	KWC			
MEBHS8	5	L	G	6		X	X					5-139767	X202	6/3/98/1200	ECFL8	KWC			
MEBHS9	5	L	G	6		X	X					5-139768	X203	6/3/98/1115	ECFL9	KWC			
MEBHT0	5	L	G	6		X	X					5-139769	X204	6/3/98/1045	ECFM0	KWC			
MEBHT1	5	L	G	6		X	X					5-139770	X205	6/3/98/1215	ECFM1	KWC			
MEBHT2	5	L	G	6		X	X					5-139771	X206	6/3/98/1230	ECFM2	KWC			

Shipment for Case Complete? (Y/N)
Page 1 of 1
Sample(s) to be Used for Laboratory QC: MEBHS7
Additional Sampler Signatures
Chain of Custody Seal Number(s): 97813

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Ken Corkill	6/4/98 1200				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	
		MKClan	6-5-98 1145		

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A21 012-14 REV

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EPA Form 9110-1

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

365686

EPA United States Environmental Protection Agency
Contract Laboratory Program

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analyis)

SAS No. (if applicable):
Case No.: 26245

1. Matrix (Enter in Column A)
   1. Surface Water
   2. Ground Water
   3. Leachate
   4. Field QC
   5. Soil/Sediment
   6. Oil (High only)
   7. Waste (High only)
   8. Other (specify in Column A)

2. Preservative (Enter in Column D)
   1. HCl
   2. HNO3
   3. NaOH
   4. H_2SO_4
   5. $K_2CR_2O_7$
   6. Ice only
   7. Other (specify in Column D)
   N. Not preserved

2. Region No.: V
Sampling Co.: IEPA
Sampler (Name): KEV CORKILL 6-2-98 ~~MARK DENSMARE~~ KWC
Sampler Signature: Ken Corkill

3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI, ESI
Long-Term Action: FS, RD, RA, O&M, NPLD

4. Date Shipped: 6/4/98
Carrier: FED EX
Airbill Number: 804677871032

5. Ship To:
SENTINEL, INC
2800 BOB WALLACE AVE., SUITE L3
HUNTSVILLE, AL. 35805
ATTN: BEVERLY KILGORE

6. Date Received -- Received by: 6-5-98 M K Clair
Laboratory Contract Number: 68-D6-0001
Unit Price: 65.00
7. Transfer to:
Date Received:
Received by:
Contract Number:
Price:

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other:	B Conc.: Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 2) Other:	E – RAS Analysis: Diss. Metals	Total Metals	Cyanide	Low only: NO_2/NO_3	Fluoride	High only: pH	Conduct.	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier KWC 6/2/98	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
MEBHR5	5	L	G	6		X	X					5-139754	~~X101~~ X101	6/3/98/1620	ECFK5	KWC			
MEBHR6	5	L	G	6		X	X					5-139755	X102	6/3/98/1620	ECFK6	KWC			
MEBHR7	5	L	G	6		X	X					5-139756	X103	6/3/98/1530	ECFK7	KWC			
MEBHR8	5	L	G	6		X	X					5-139757	X104	6/3/98/1515	ECFK8	KWC			
MEBHR9	5	L	G	6		X	X					5-139758	X105	6/3/98/1445	ECFK9	KWC			
MEBHS0	5	L	G	6		X	X					5-139759	X106	6/3/98/1430	ECFK0	KWC			
MEBHS1	5	L	G	6		X	X					5-139760	X107	6/3/98/1415	ECFL1	KWC			
MEBHS2	5	L	G	6		X	X					5-139761	X108	6/3/98/1500	ECFL2	KWC			
MEBHS3	5	L	G	6		X	X					5-139762	X109	6/3/98/1330	ECFL3	KWC			
MEBHS4	5	L	G	6		X	X					5-139763	X110	6/3/98/1315	ECFL4	KWC			

Shipment for Case Complete? (Y/N):
Page 1 of 2
Sample(s) to be Used for Laboratory QC: MEBHR5
Additional Sampler Signatures:
Chain of Custody Seal Number(s): 17813

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Ken Corkill	6/4/98 1200				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) M K Clair	Date / Time 6-5-98 1145	Remarks Is custody seal intact? Y/N/none	

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A21-012-6 REV. 3/93

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EPA Form 9110-1

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

EPA United States Environmental Protection Agency Contract Laboratory Program

Inorganic Traffic Report & Chain of Custody Record
(For Inorganic CLP Analyis)

Case No. 26245

1. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6 Oil (High only)
7. Waste (High only)
8. Other (specify in Column A)

2. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaOH
4. H_2SO_4
5. $K_2CR_2O_7$
6 Ice only
7. Other (specify in Column D)
N. Not preserved

2. Region No. V
Sampling Co. IEPA
4 Date Shipped 6/4/98
Carrier FED. EX
6. Date Received -- Received by: 6-5-98 MKClair
Sampler (Name) KEN CORKILL 6-2-98 KAC ~~MARK DENSMORE~~
Airbill Number 804677871032
Laboratory Contract Number 68-D6-0001
Unit Price 65.00
Sampler Signature Ken Corkill
5. Ship To SENTINEL, INC. 2800 ~~BB~~ WALLACE AVE, SUITE L3 HUNTSVILLE, AL. 35805 ATTN: BEVERLY KILGORE
7. Transfer to:
Date Received
Received by
Contract Number
Price

3. Purpose*
Lead: SF, PRP, ST, FED
Early Action: CLEM, PA, REM, RI, SI (X), ESI
Long-Term Action: FS, RD, RA, O&M, NPLD

CLP Sample Numbers (from labels)	A Matrix (from Box 1) Other:	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative (from Box 2) Other:	E – RAS Analysis: Diss. Metals	Total Metals	Cyanide	Low only: NO_2/NO_3	Fluoride	High only: pH	Conduct.	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/ Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K High Phases: Solids	Water-Miscible Liq.	Water-Immis. Liq.
MEBHS5	5	L	~~B~~ C KAC 6/2/98	6		X	X					5-139764	X111	6/3/98/1300	ECFL5	KAC			
MEBHS6	5	L	~~B~~ C 6/2/98 KAC	6		X	X					5-139765	X112	6/3/98/1300	ECFL6	KAC			

Shipment for Case Complete? (Y/N)
Page 2 of 2
Sample(s) to be Used for Laboratory QC: MEBHR5
Additional Sampler Signatures
Chain of Custody Seal Number(s): 97813

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Ken Corkill	6/4/98 1200				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) MKClair	Date / Time 6-5-98 1145	Remarks Is custody seal intact? Y/N/none	

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DISTRIBUTION: Green - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to SMO

EPA Form 9110-1

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

A21 0-2-14 REV

225552

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: 11/22

Case No: 36245 Site Name Location: Steel City Nat. Bank

Contractor or EPA Lab: Sentinel Data User: IEPA

No. of Samples: 18 Date Sampled or Data Received: 7-8-98

Have Chain-of-Custody records been received? Yes ✓ No ___
Have traffic reports or packing lists been received? Yes ✓ No ___
If no, are traffic report or packing list numbers written on the chain-of-custody record? Yes ✓ No ___
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ___
No of samples claimed: 18 No. of samples received: 18

Received by: Lynette Burnett Date: 7-8-98

Received by LSSS: Lynette Burnett Date: 7-8-98

Review started: 7-14-98 Reviewer Signature: J Barry

Total time spent on review: 14.5 +0.5 +0.5 By 7-15-98 Date review completed: 7-15-98

Copied by: Lynette Burnett Date: 7-22-98

Mailed to user by: Lynette Burnett Date: 7-22-98

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Data: _____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on **July 14, 1998**

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Technical Support Section

for Steve Ostrodka
Richard L Bynils
7/29/98

TO: Data User: **IEPA**

RECEIVED
AUG 1 1 1998
IEPA/BOL

We have reviewed the data for the following case:

SITE NAME: **STEEL CITY NATIONAL BANK (IL)**

CASE NUMBER: **26245** SDG NUMBER: **ECFK5**

Number and Type of Samples: **18 Soils**

Sample Numbers: **ECFK5 - ECFK9, ECFL0 - ECFL9, ECFM0 - ECFM2**

Laboratory: **ATAS** Hrs. for Review: 28 + 1.5 wh

Following are our findings:

the data are usable and acceptable with the qualifications described in the attached narrative.
Richard L Bynils

CC: Cecilia Luckett Moore
Region 5 TPO
Mail Code: SM-5J

Case Number : 26245 **SDG Number:** ECFK5
Site Name: STEEL CITY NATIONAL BANK (IL) **Laboratory:** ATAS

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Eighteen (18) soil samples, numbered *ECFK5* through *ECFK9, ECFL0* through *ECFL9,* and *ECFM0* through *ECFM2* were collected on *June 3, 1998.* The lab received the samples on *June 5, 1998* in good condition. All samples were analyzed for the full list of organic analytes. All were analyzed according to CLP SOW *OLM03.2* 3/90.

Reviewed By: A.C.Harvey/Lockheed-Martin ESAT
Date: July 22, 1998

Case Number : 26245 SDG Number: ECFK5
Site Name: STEEL CITY NATIONAL BANK (IL) Laboratory: ATAS

1. HOLDING TIME

The following semivolatile soil samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ". Results are biased low.

ECFL2, ECFL2DL, ECFL5, ECFM0

The following pesticide soil samples are outside primary extraction holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ". Results are biased low.

ECFM0

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Acetone, 2-Butanone, 2-Hexanone
ECFK5, ECFK5MS, ECFK5MSD, ECFK6, ECFK7, ECFK7RE, ECFK8, ECFK9, ECFK9RE, ECFL0, ECFL1, ECFL2, ECFL2DL, ECFL3, ECFL4, ECFL5, ECFL5RE, ECFL6, ECFL6RE, ECFL7, ECFL8, ECFL9, ECFM0, ECFM0RE, ECFM1, ECFM2, VBLKDR, VBLKDS, VBLKDT, VHBLKDT

4-Methyl-2-Pentanone
ECFK6, ECFK7RE, ECFK8, ECFK9RE, ECFL0, ECFL1, ECFL2DL, ECFL3, ECFL4, ECFL5, ECFL5RE, ECFL6, ECFL6RE, ECFL7, ECFL8, ECFL9, ECFM0, ECFM0RE, ECFM1, ECFM2, VBLKDS, VBLKDT, VHBLKDT

The following semivolatile samples are associated with a continuing calibration whose corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,4-Dinitrophenol
ECFK7RE, ECFK8, ECFK9, ECFK9RE, ECFL0, ECFL0RE, ECFL1, ECFL1RE, ECFL3, ECFL3RE, ECFL4, ECFL4RE, ECFL8RE

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The following semivolatile samples are associated with a continuing calibration percent difference (%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

2,2'-oxybis(1-Chloropropane), 2-Methylnaphthalene, 2-Nitroaniline
ECFK5DL, ECFL2DL, ECFL5, ECFL9, ECFM0, ECFM2, SBLKBA, SBLKBS

Hexachlorocyclopentadiene, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline
ECFK5DL

Fluoranthene
ECFK6DL, ECFK8, ECFK9, ECFK9RE, ECFL8RE

Pyrene, Benzo(a)anthracene
ECFK6DL, ECFK8, ECFK9, ECFK9RE, ECFL0, ECFL0RE, ECFL3, ECFL4, ECFL8RE

bis(2-Ethylhexyl)phthalate
ECFK5, ECFK5MS, ECFK5MSD, ECFK6, SBLKFK

Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene
ECFK5, ECFK5MS, ECFK5MSD, ECFK6, ECFL2DL, ECFL5, ECFL9, ECFM0, ECFM2, SBLKBA, SBLKBS, SBLKFK

The following pesticide samples are associated with a three point initial calibration in which the % RSD of calibration factors exceeds criteria. Hits are qualified "J" and non-detects are qualified "UJ".

ECFK5, ECFK5MS, ECFK5MSD, ECFK6, ECFK8, ECFK8DL, ECFK9, ECFL2, ECFL2DL, ECFL7, ECFL8, ECFL8DL, ECFM0, PBLK5FA, PBLK5FD
alpha-BHC, delta-BHC, gamma-BHC (Lindane)

4. BLANKS

The following volatile samples are associated with a contaminated storage blank. Hits and non-detects are not flagged.

Methylene Chloride
ECFK5, ECFK5MS, ECFK5MSD, ECFK6, ECFK7, ECFK7RE, ECFK8, ECFK9, ECFK9RE, ECFL0, ECFL1, ECFL2, ECFL2DL, ECFL3, ECFL4, ECFL5, ECFL5RE, ECFL6, ECFL6RE, ECFL7, ECFL8, ECFL9, ECFM0, ECFM0RE, ECFM1, ECFM2

The following semivolatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" or "UJ" and

non-detects are not flagged. Results are biased high.

ECFK5DL, ECFK5MS, ECFK7, ECFK7RE, ECFK9, ECFK9RE, ECFL2, ECFL2DL
bis(2-Ethylhexyl)phthalate

The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are flagged "U" or "UJ" and non-detects are not flagged.

ECFL2, ECFL2DL
4-Chloro-3-methylphenol

The following semivolatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been levated to the CRQL. Hits are qualified "U" or "UJ" and non-detects are not flagged.

bis(2-Ethylhexyl)phthalate
ECFK8, ECFK8RE, ECFL0, ECFL0RE, ECFL5, ECFL6, ECFL7, ECFL8, ECFL8RE, ECFL9, ECFM0, ECFM2

Di-n-octylphthalate
ECFL2, ECFL2DL, ECFL5, ECFM0

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have system monitoring compound recoveries above the upper limit of the criteria window. Hits are biased high and qualified "J" and non-detects are not flagged.

ECFL2, ECFL2DL, ECFM0

The following volatile samples have one or more system monitoring compound recovery values below the lower limit of the criteria window. Hits are biased low and qualified "J" and non-detects are qualified "UJ".

ECFL2DL, ECFM0

The following semivolatile samples reported one base/neutral surrogate recovery above the upper limit of the criteria window. However, the data requires no qualification as data are not qualified with respect to surrogate recovery unless two or more surrogates, within the same fraction, are outside the criteria window.

ECFK5, ECFK5MS, ECKF5MSD, ECFK6DL, ECFK7RE, ECFL0, ECFL0RE, ECFL1, ECFL1RE, ECFL3, ECFL3RE, ECFL4, ECFL4RE, ECFL8RE

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The following semivolatile samples reported one acid surrogate recovery above the upper limit of the criteria window. However, the data requires no qualification as data are not qualified with respect to surrogate recovery unless two or more surrogates, within the same fraction, are outside the criteria window.

ECFK5, ECFK5MS, ECFK5MSD, ECFL0, ECFL0RE, ECFL8, ECFL8RE

The following semivolatile samples have two or more base/neutral surrogate recoveries above the upper limit of the criteria window. Hits are biased high and qualified "J" and non-detects are not flagged.

ECFK7

The following diluted pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits and non-detects are not flagged.

ECFK5, ECFK5MS, ECFK6, ECFK8DL, ECFK9, ECFL2, ECFL2DL

The following pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

ECFK8

The following diluted pesticide samples have surrogate percent recoveries of less than 10%. Hits and non-detects are not flagged.

ECFL2, ECFL2DL

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria.

ECFK5MS
Phenol, 2-Chlorophenol, N-Nitroso-di-n-propylamine, Acenaphthene, 4-Nitrophenol, 2,4-Dinitrotoluene, Pyrene

ECFK5MSD
Phenol, Acenaphthene, Pyrene

The presence of 2,4-Dinitrotoluene in the unspiked sample is not qualified as the percent recovery while high was less than 100 percent (100%). The presence of the other listed analytes in the unspiked sample is qualified "J" and non-detects are not qualfied.

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7. FIELD BLANK AND FIELD DUPLICATE

No samples were field blanks or field duplicates. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

The following volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

ECFK5, ECFK7, ECFK7RE, ECFL2DL, ECFL5, ECFL5RE, ECFL6RE, ECFM0, ECFM0RE
4-Methyl-2-Pentanone, 2-Hexanone, Tetrachloroethene, 1,1,2,2-Tetrachloroethane, Toluene, Chlorobenzene, Ethylbenzene, Styrene, Xylene (total)

ECFK5MS, ECFK5MSD, ECFK9RE, ECFL6
1,1,1-Trichloroethane, Carbon Tetrachloride, Bromodichloromethane, 1,2-Dichloropropane, cis-1,3-Dichloropropene, Trichloroethene, Dibromochloromethane, 1,1,2-Trichloroethane, Benzene, trans-1,3-Dichloropropene, Bromoform, 4-Methyl-2-Pentanone, 2-Hexanone, Tetrachloroethene, 1,1,2,2-Tetrachloroethane, Toluene, Chlorobenzene, Ethylbenzene, Styrene, Xylene (total)

ECFK9, ECFL2
Chloromethane, Bromomethane, Vinyl Chloride, Chloroethane, Methylene Chloride, Acetone, Carbon Disulfide, 1,1-Dichloroethene, 1,1-Dichloroethane, 1,2-Dichloroethene (total), Chloroform, 1,2-Dichloroethane, 2-Butanone, 1,1,1-Trichloroethane, Carbon Tetrachloride, Bromodichloromethane, 1,2-Dichloropropane, cis-1,3-Dichloropropene, Trichloroethene, Dibromochloromethane, 1,1,2-Trichloroethane, Benzene, trans-1,3-Dichloropropene, Bromoform, 4-Methyl-2-Pentanone, 2-Hexanone, Tetrachloroethene, 1,1,2,2-Tetrachloroethane, Toluene, Chlorobenzene, Ethylbenzene, Styrene, Xylene (total)

The following semivolatile samples have internal standard area counts that are outside the upper limit of primary criteria. Hits are qualified "J" and non-detects are not qualified.

ECFK5
Phenol, bis(2-Chloroethyl)ether, 2-Chlorophenol, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 2-Methylphenol, 2,2'-oxybis(1-Chloropropane), 4-Methylphenol, N-Nitroso-di-n-propylamine, Hexachloroethane

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ECFK5MS, ECFK5MSD

Phenol, bis(2-Chloroethyl)ether, 2-Chlorophenol, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 2-Methylphenol, 2,2'-oxybis(1-Chloropropane), 4-Methylphenol, N-Nitroso-di-n-propylamine, Hexachloroethane, Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 2,4-Dichlorophenol, 1,2,4-Trichlorobenzene, Naphthalene, 4-Chloroaniline, Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2-Methylnaphthalene

ECFK6

Phenol, bis(2-Chloroethyl)ether, 2-Chlorophenol, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 2-Methylphenol, 2,2'-oxybis(1-Chloropropane), 4-Methylphenol, N-Nitroso-di-n-propylamine, Hexachloroethane, Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

ECFL1, ECFL1RE

Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

The following semivolatile samples have internal standard area counts that are outside the lower limit of primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

ECFK6DL

Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 2,4-Dichlorophenol, 1,2,4-Trichlorobenzene, Naphthalene, 4-Chloroaniline, Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2-Methylnaphthalene, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFK7

Phenol, bis(2-Chloroethyl)ether, 2-Chlorophenol, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 2-Methylphenol, 2,2'-oxybis(1-Chloropropane), 4-Methylphenol, N-Nitroso-di-n-propylamine, Hexachloroethane, Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 2,4-Dichlorophenol, 1,2,4-Trichlorobenzene, Naphthalene, 4-Chloroaniline, Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2-Methylnaphthalene

ECFK7RE, ECFL1, ECFL1RE, ECFL3RE, ECFL0, ECFL0RE

Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline

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ECFK8

Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 2,4-Dichlorophenol, 1,2,4-Trichlorobenzene, Naphthalene, 4-Chloroaniline, Hexachlorobutadiene, 4-Chloro-3-methylphenol, 2-Methylnaphthalene, Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline, Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFK8RE

4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene, Pentachlorophenol, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

ECFK9

Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFK9RE, ECFL3

Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline, Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFL2, ECFL8

4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene, Pentachlorophenol, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

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ECFL4

Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

ECFL8RE

Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline, Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate

The following semivolatile samples have internal standard area counts outside expanded criteria. Hits are qualified "J" and non-detects are qualified "R".

ECFK6DL, ECFK7

Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 4-Nitroaniline 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene, Pentachlorophenol, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

ECFK7RE, ECFK8, ECFK9, ECFK9RE, ECFL0, ECFL0RE, ECFL1, ECFL1RE, ECFL3, ECFL3RE, ECFL4, ECFL4RE, ECFL8RE

4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine (1), 4-Bromophenyl-phenylether, Hexachlorobenzene, Pentachlorophenol, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Fluoranthene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA, SVOA, and Pesticide/PCB compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

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ECFK6, ECFM2, VHBLKDT
Methylene Chloride

ECFK7
Acetone, Ethylbenzene, Xylene (total)

ECFK7RE
Ethylbenzene, Xylene (total)

ECFK8, ECFK9RE, ECFL1, ECFL2, ECFL3, ECFL4, ECFL6, ECFL6RE, ECFM1
Toluene

ECFL0
Toluene, Xylene (total)

ECFL7, ECFL8, ECFM0
Methylene Chloride, Acetone

ECFL9
Acetone

ECFM0RE
Acetone, Toluene

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

ECFK5
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Di-n-butylphthalate, Di-n-octylphthalate

ECFK5DL
Acenaphthylene, Acenaphthene, Fluorene, Anthracene, Carbazole, Di-n-butylphthalate, Di-n-octylphthalate, Dibenz(a,h)anthracene

ECFK5MS
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, Carbazole, Di-n-butylphthalate

ECFK5MSD
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Carbazole, Di-n-butylphthalate

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ECFK6

4-Methylphenol, Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, Di-n-butylphthalate, Butylbenzylphthalate, Dibenz(a,h)anthracene

ECFK6DL

Phenanthrene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate

ECFK7

Phenanthrene, Anthracene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene

ECFK7RE

Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate

ECFK8

Acenaphthylene, Phenanthrene, Anthracene, Pyrene, Butylbenzylphthalate, Dibenz(a,h)anthracene

ECFK8RE

Acenaphthylene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Butylbenzylphthalate, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFK9

Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate, Benzo(a)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFK9RE

Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate, Benzo(b)fluoranthene, Dibenz(a,h)anthracene

ECFL0

Di-n-octylphthalate

ECFL0RE

Di-n-butylphthalate, Di-n-octylphthalate

ECFL1

Phenanthrene, Di-n-butylphthalate, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate

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ECFL1RE
Phenanthrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate

ECFL2
Acenaphthylene, Dibenzofuran, Pentachlorophenol, Anthracene, Pyrene, Butylbenzylphthalate

ECFL2DL
Acenaphthylene, Dibenzofuran, Hexachlorobenzene, Phenanthrene, Anthracene, Fluoranthene, Butylbenzylphthalate, Benzo(a)anthracene

ECFL5
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFL6
Phenanthrene

ECFL7
Isophorone, 2-Nitrophenol, 4-Chloroaniline, 4-Nitrophenol, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(a)pyrene

ECFL8
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Phenanthrene, Anthracene, Carbazole, Di-n-butylphthalate, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

ECFL8RE
Naphthalene, 2-Methylnaphthalene, Acenaphthene, Phenanthrene, Anthracene, Pyrene, Benzo(a)anthracene, Chrysene, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

ECFL9
Acenaphthene, Dibenzofuran, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene, Di-n-butylphthalate, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene

ECFM0
Pyrene, Benzo(a)anthracene, Chrysene

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ECFM2
Diethylphthalate, Phenanthrene, Di-n-butylphthalate, Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

SBLKBA
4-Chloro-3-methylphenol, Di-n-butylphthalate, Di-n-octylphthalate

SBLKBO, SBLKFK
bis(2-Ethylhexyl)phthalate

SBLKBS
bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate

SBLKFR
4-Chloro-3-methylphenol, Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate

The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

ECFK5
4,4'-DDT, Endrin aldehyde

ECFK5MS, ECFK5MSD
gamma-BHC (Lindane), Heptachlor, Aldrin, Dieldrin, Endrin

ECFK6
alpha-BHC

ECFL3
Heptachlor, 4,4'-DDE

ECFL4
Methoxychlor, Endrin ketone

ECFL7, PBLK5FA
Heptachlor

ECFL8
Heptachlor, Heptachlor epoxide, Endrin aldehyde, gamma-Chlordane

Reviewed By: A.C.Harvey/Lockheed-Martin ESAT
Date: July 22, 1998

Case Number : 26245 SDG Number: ECFK5
Site Name: STEEL CITY NATIONAL BANK (IL) Laboratory: ATAS

ECFL8DL
4,4'-DDE, 4,4'-DDT, alpha-Chlordane

ECFL9
Heptachlor, Dieldrin, 4,4'-DDT, alpha-Chlordane, gamma-Chlordane

ECFM0
Methoxychlor

ECFM1
Heptachlor, Aldrin

ECFM2
Methoxychlor, Aroclor-1254

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. The value was less than 25% (1/4) of the method detection limit (MDL); therefore, the hits are elevated to the CRQL and qualified "U" or "UJ" as non-detects.

ECFL0
Methoxychlor

ECFL3
Dieldrin, 4,4'-DDD, alpha-Chlordane, gamma-Chlordane

ECFL5
Endrin ketone

ECFL7
Heptachlor epoxide, Dieldrin, gamma-Chlordane

ECFL8
Dieldrin

ECFL8DL
Heptachlor epoxide

ECFL9
beta-BHC, Heptachlor epoxide

Reviewed By: A.C.Harvey/Lockheed-Martin ESAT
Date: July 22, 1998

Case Number : 26245 **SDG Number: ECFK5**
Site Name: STEEL CITY NATIONAL BANK (IL) **Laboratory: ATAS**

ECFM0
4,4'-DDD

ECFM2
alpha-BHC

The following pesticide samples have analytes for which the percent difference between column results exceeds primary criteria. Hits are flagged "J" and non-detects are not flagged.

ECFK5
Heptachlor epoxide, 4,4'-DDE, 4,4'-DDT, Endrin aldehyde

ECFK5MS
Heptachlor, Aldrin, Heptachlor epoxide, 4,4'-DDE, Endrin

ECFK5MSD
Heptachlor, Aldrin, Heptachlor epoxide, Dieldrin, 4,4'-DDE

ECFK6, ECFL2
Aroclor-1248

ECFK7, ECFL0, ECFL1
Aroclor-1242

ECFK8DL
Aroclor-1254

ECFK9
Endrin ketone, Aroclor-1248, Aroclor-1254

ECFL2DL
Aroclor-1248, Aroclor-1254

ECFL3, ECFL7, PBLK5FA
Heptachlor

ECFL4
Methoxychlor, Endrin ketone

ECFL5, ECFL6
Aroclor-1242, Aroclor-1254

Reviewed By: A.C.Harvey/Lockheed-Martin ESAT
Date: July 22, 1998

ECFL8
Heptachlor epoxide, 4,4'-DDE, Endrin aldehyde, gamma-Chlordane

ECFL8DL
4,4'-DDE, alpha-Chlordane

ECFL9
Heptachlor, alpha-Chlordane, gamma-Chlordane

ECFM1
Heptachlor, Aldrin

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

Samples were 10 °C upon receipt at the laboratory.

Volatile samples ECFK5, ECFK7, ECFK9, ECFL2, ECFL5, ECFL6 and ECFM0 had at least one internal standard area count outside the criteria window and required re-analysis; however ECFK5 was not re-analyzed as it was the designated matrix spike/matrix spike duplicate sample.

Methylene Chloride exceeded the instrument's calibration range in volatile sample ECFL2; the results from ECFL2DL should be considered the final concentration for this analyte.

Semivolatile samples ECFK5, ECFK6, ECFK7, ECFK8, ECFK9, ECFL0, ECFL1, ECFL2, ECFL3, ECFL4 and ECFL8 had at least one internal standard area count outside the criteria window and required re-analysis; however ECFK5 was not re-analyzed as it was the designated matrix spike/matrix spike duplicate sample.

Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene exceeded the instrument's calibration range in semivolatile sample ECFK5; the results from ECFK5DL should be considered the final concentration for these analytes.

bis(2-Ethylhexyl)phthalate exceeded the instrument's calibration range in semivolatile sample ECFK6; the results from ECFK6DL should be considered the final concentration for this analyte.

Indeno(1,2,3-cd)pyrene exceeded the instrument's calibration range in semivolatile sample ECFL2; the

Case Number : 26245 **SDG Number: ECFK5**
Site Name: STEEL CITY NATIONAL BANK (IL) **Laboratory: ATAS**

results from ECFL2DL should be considered the final concentration for this analyte.

4,4'-DDD exceeded the instrument's calibration range inpesticide sample ECFL8; the results from ECFL8DL should be considered the final concentration for this analyte.

pH Table.

Sample ID:	Matrix:	pH	Sample ID:	Matrix:	pH
ECFK5	Soil	7.2	ECFL4	Soil	7.2
ECFK6	Soil	6.9	ECFL5	Soil	7.6
ECFK7	Soil	7.9	ECFL6	Soil	7.8
ECFK8	Soil	7.6	ECFL7	Soil	8.0
ECFK9	Soil	7.4	ECFL8	Soil	7.3
ECFL0	Soil	7.8	ECFL9	Soil	7.6
ECFL1	Soil	7.2	ECFM0	Soil	7.5
ECFL2	Soil	7.5	ECFM1	Soil	6.6
ECFL3	Soil	7.2	ECFM2	Soil	6.0

Reviewed By: A.C.Harvey/Lockheed-Martin ESAT
Date: July 22, 1998

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The anlayte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the present of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present)
H	Sample result is estimated and biased high.
L	Sample result is estimated and biased low.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFK5		ECFK5MS		ECFK5MSD		ECFK6		ECFK7	
REGIONAL SAMPLE NUMBER:	--									
SAMPLE LOCATION:	X101		X101		X101		X102		X103	
SAMPLE TYPE:	Routine Sample		Matrix Spike		Matrix Spike Dup		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	15		15		15		62		20	
VOA										
Chloromethane	12	U	12	U	12	U	26	U	12	U
Bromomethane	12	U	12	U	12	U	26	U	12	U
Vinyl Chloride	12	U	12	U	12	U	26	U	12	U
Chloroethane	12	U	12	U	12	U	26	U	12	U
Methylene Chloride	210		220		270		13	J	120	
Acetone	12	UJ	12	UJ	12	UJ	210	J	11	J
Carbon Disulfide	12	U	12	U	12	U	26	U	12	U
1,1-Dichloroethene	12	U	52		51		26	U	12	U
1,1-Dichloroethane	12	U	12	U	12	U	26	U	12	U
1,2-Dichloroethene (total)	12	U	12	U	12	U	26	U	12	U
Chloroform	12	U	12	U	12	U	26	U	12	U
1,2-Dichloroethane	12	U	12	U	12	U	26	U	12	U
2-Butanone	12	UJ	12	UJ	12	UJ	42	J	12	UJ
1,1,1-Trichloroethane	12	U	12	UJ	12	UJ	26	U	12	U
Carbon Tetrachloride	12	U	12	UJ	12	UJ	26	U	12	U
Bromodichloromethane	12	U	12	UJ	12	UJ	26	U	12	U
1,2-Dichloropropane	12	U	12	UJ	12	UJ	26	U	12	U
cis-1,3-Dichloropropene	12	U	12	UJ	12	UJ	26	U	12	U
Trichloroethene	12	U	48	J	48	J	26	U	12	U
Dibromochloromethane	12	U	12	UJ	12	UJ	26	U	12	U
1,1,2-Trichloroethane	12	U	12	UJ	12	UJ	26	U	12	U
Benzene	12	U	62	J	63	J	26	U	12	U
trans-1,3-Dichloropropene	12	U	12	UJ	12	UJ	26	U	12	U
Bromoform	12	U	12	UJ	12	UJ	26	U	12	U
4-Methyl-2-Pentanone	12	UJ	12	UJ	12	UJ	26	UJ	12	UJ
2-Hexanone	12	UJ	12	UJ	12	UJ	26	UJ	12	UJ
Tetrachloroethene	12	UJ	12	UJ	12	UJ	26	U	12	UJ
1,1,2,2-Tetrachloroethane	12	UJ	12	UJ	12	UJ	26	U	12	UJ
Toluene	12	UJ	63	J	71	J	26	U	30	J
Chlorobenzene	12	UJ	53	J	56	J	26	U	12	UJ
Ethylbenzene	12	UJ	12	UJ	12	UJ	26	U	2	J
Styrene	12	UJ	12	UJ	12	UJ	26	U	12	UJ
Xylene (total)	12	UJ	12	UJ	12	UJ	26	U	10	J

FILE NAME: ECFK5 DATE: 07/21/98 TIME: 10:02 CADRE98

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFK7RE		ECFK8		ECFK9		ECFK9RE		ECFL0	
REGIONAL SAMPLE NUMBER:	--									
SAMPLE LOCATION:	X103		X104		X105		X105		X106	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	20		23		24		24		19	
VOA										
Chloromethane	12	U	13	U	13	UJ	13	U	12	U
Bromomethane	12	U	13	U	13	UJ	13	U	12	U
Vinyl Chloride	12	U	13	U	13	UJ	13	U	12	U
Chloroethane	12	U	13	U	13	UJ	13	U	12	U
Methylene Chloride	43		30		92	J	63		23	
Acetone	17	J	13	UJ	13	UJ	13	UJ	12	UJ
Carbon Disulfide	12	U	13	U	13	UJ	13	U	12	U
1,1-Dichloroethene	12	U	13	U	13	UJ	13	U	12	U
1,1-Dichloroethane	12	U	13	U	13	UJ	13	U	12	U
1,2-Dichloroethene (total)	12	U	13	U	13	UJ	13	U	12	U
Chloroform	12	U	13	U	13	UJ	13	U	12	U
1,2-Dichloroethane	12	U	13	U	13	UJ	13	U	12	U
2-Butanone	12	UJ	13	UJ	13	UJ	13	UJ	12	UJ
1,1,1-Trichloroethane	12	U	13	U	13	UJ	13	UJ	12	U
Carbon Tetrachloride	12	U	13	U	13	UJ	13	UJ	12	U
Bromodichloromethane	12	U	13	U	13	UJ	13	UJ	12	U
1,2-Dichloropropane	12	U	13	U	13	UJ	13	UJ	12	U
cis-1,3-Dichloropropene	12	U	13	U	13	UJ	13	UJ	12	U
Trichloroethene	12	U	13	U	13	UJ	13	UJ	12	U
Dibromochloromethane	12	U	13	U	13	UJ	13	UJ	12	U
1,1,2-Trichloroethane	12	U	13	U	13	UJ	13	UJ	12	U
Benzene	12	U	13	U	13	UJ	13	UJ	12	U
trans-1,3-Dichloropropene	12	U	13	U	13	UJ	13	UJ	12	U
Bromoform	12	U	13	U	13	UJ	13	UJ	12	U
4-Methyl-2-Pentanone	12	UJ	13	UJ	13	UJ	13	UJ	12	UJ
2-Hexanone	12	UJ	13	UJ	13	UJ	13	UJ	12	UJ
Tetrachloroethene	12	UJ	13	U	13	UJ	13	UJ	12	U
1,1,2,2-Tetrachloroethane	12	UJ	13	U	13	UJ	13	UJ	12	U
Toluene	26	J	4	J	13	UJ	2	J	8	J
Chlorobenzene	12	UJ	13	U	13	UJ	13	UJ	12	U
Ethylbenzene	2	J	13	U	13	UJ	13	UJ	12	U
Styrene	12	UJ	13	U	13	UJ	13	UJ	12	U
Xylene (total)	6	J	13	U	13	UJ	13	UJ	3	J

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL1		ECFL2		ECFL2DL		ECFL3		ECFL4	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X107		X108		X108		X109		X110	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		5.0		1.0		1.0	
PERCENT MOISTURE:	25		24		24		36		20	
VOA										
Chloromethane	13	U	13	UJ	66	UJ	16	U	12	U
Bromomethane	13	U	13	UJ	66	UJ	16	U	12	U
Vinyl Chloride	13	U	13	UJ	66	UJ	16	U	12	U
Chloroethane	13	U	13	UJ	66	UJ	16	U	12	U
Methylene Chloride	19		420	J	230	J	25		12	
Acetone	13	UJ	13	UJ	66	UJ	16	UJ	12	UJ
Carbon Disulfide	13	U	13	UJ	66	UJ	16	U	12	U
1,1-Dichloroethene	13	U	13	UJ	66	UJ	16	U	12	U
1,1-Dichloroethane	13	U	13	UJ	66	UJ	16	U	12	U
1,2-Dichloroethene (total)	13	U	13	UJ	66	UJ	16	U	12	U
Chloroform	13	U	13	UJ	66	UJ	16	U	12	U
1,2-Dichloroethane	13	U	13	UJ	66	UJ	16	U	12	U
2-Butanone	13	UJ	13	UJ	66	UJ	16	UJ	12	UJ
1,1,1-Trichloroethane	13	U	13	UJ	66	UJ	16	U	12	U
Carbon Tetrachloride	13	U	13	UJ	66	UJ	16	U	12	U
Bromodichloromethane	13	U	13	UJ	66	UJ	16	U	12	U
1,2-Dichloropropane	13	U	13	UJ	66	UJ	16	U	12	U
cis-1,3-Dichloropropene	13	U	13	UJ	66	UJ	16	U	12	U
Trichloroethene	13	U	13	UJ	66	UJ	16	U	12	U
Dibromochloromethane	13	U	13	UJ	66	UJ	16	U	12	U
1,1,2-Trichloroethane	13	U	13	UJ	66	UJ	16	U	12	U
Benzene	13	U	13	UJ	66	UJ	16	U	12	U
trans-1,3-Dichloropropene	13	U	13	UJ	66	UJ	16	U	12	U
Bromoform	13	U	13	UJ	66	UJ	16	U	12	U
4-Methyl-2-Pentanone	13	UJ	13	UJ	66	UJ	16	UJ	12	UJ
2-Hexanone	13	UJ	13	UJ	66	UJ	16	UJ	12	UJ
etrachloroethene	13	U	13	UJ	66	UJ	16	U	12	U
1,1,2,2-Tetrachloroethane	13	U	13	UJ	66	UJ	16	U	12	U
Toluene	2	J	5	J	66	UJ	8	J	4	J
Chlorobenzene	13	U	13	UJ	66	UJ	16	U	12	U
Ethylbenzene	13	U	13	UJ	66	UJ	16	U	12	U
Styrene	13	U	13	UJ	66	UJ	16	U	12	U
Xylene (total)	13	U	13	UJ	66	UJ	16	U	12	U

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL5		ECFL5RE		ECFL6		ECFL6RE		ECFL7	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X111		X111		X112		X112		X201	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	30		30		30		30		28	
VOA										
Chloromethane	14	U	14	U	14	U	14	U	14	U
Bromomethane	14	U	14	U	14	U	14	U	14	U
Vinyl Chloride	14	U	14	U	14	U	14	U	14	U
Chloroethane	14	U	14	U	14	U	14	U	14	U
Methylene Chloride	24		27		28		34		9	J
Acetone	14	UJ	14	UJ	14	UJ	14	UJ	5	J
Carbon Disulfide	14	U	14	U	14	U	14	U	14	U
1,1-Dichloroethene	14	U	14	U	14	U	14	U	14	U
1,1-Dichloroethane	14	U	14	U	14	U	14	U	14	U
1,2-Dichloroethene (total)	14	U	14	U	14	U	14	U	14	U
Chloroform	14	U	14	U	14	U	14	U	14	U
1,2-Dichloroethane	14	U	14	U	14	U	14	U	14	U
2-Butanone	14	UJ	14	UJ	14	UJ	14	UJ	14	UJ
1,1,1-Trichloroethane	14	U	14	U	14	UJ	14	U	14	U
Carbon Tetrachloride	14	U	14	U	14	UJ	14	U	14	U
Bromodichloromethane	14	U	14	U	14	UJ	14	U	14	U
1,2-Dichloropropane	14	U	14	U	14	UJ	14	U	14	U
cis-1,3-Dichloropropene	14	U	14	U	14	UJ	14	U	14	U
Trichloroethene	14	U	14	U	14	UJ	14	U	14	U
Dibromochloromethane	14	U	14	U	14	UJ	14	U	14	U
1,1,2-Trichloroethane	14	U	14	U	14	UJ	14	U	14	U
Benzene	14	U	14	U	14	UJ	14	U	14	U
trans-1,3-Dichloropropene	14	U	14	U	14	UJ	14	U	14	U
Bromoform	14	U	14	U	14	UJ	14	U	14	U
4-Methyl-2-Pentanone	14	UJ	14	UJ	14	UJ	14	UJ	14	UJ
2-Hexanone	14	UJ	14	UJ	14	UJ	14	UJ	14	UJ
Tetrachloroethene	14	UJ	14	UJ	14	UJ	14	UJ	14	U
1,1,2,2-Tetrachloroethane	14	UJ	14	UJ	14	UJ	14	UJ	14	U
Toluene	14	UJ	18	J	4	J	6	J	14	U
Chlorobenzene	14	UJ	14	UJ	14	UJ	14	UJ	14	U
Ethylbenzene	14	UJ	14	UJ	14	UJ	14	UJ	14	U
Styrene	14	UJ	14	UJ	14	UJ	14	UJ	14	U
Xylene (total)	14	UJ	14	UJ	14	UJ	14	UJ	14	U

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL8		ECFL9		ECFM0		ECFMORE		ECFM1	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X202		X203		X204		X204		X205	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	30		23		21		21		32	
VOA										
Chloromethane	14	U	13	U	13	UJ	13	U	15	U
Bromomethane	14	U	13	U	13	UJ	13	U	15	U
Vinyl Chloride	14	U	13	U	13	UJ	13	U	15	U
Chloroethane	14	U	13	U	13	UJ	13	U	15	U
Methylene Chloride	3	J	14		8	J	25		46	
Acetone	6	J	9	J	10	J	6	J	15	UJ
Carbon Disulfide	14	U	13	U	13	UJ	13	U	15	U
1,1-Dichloroethene	14	U	13	U	13	UJ	13	U	15	U
1,1-Dichloroethane	14	U	13	U	13	UJ	13	U	15	U
1,2-Dichloroethene (total)	14	U	13	U	13	UJ	13	U	15	U
Chloroform	14	U	13	U	13	UJ	13	U	15	U
1,2-Dichloroethane	14	U	13	U	13	UJ	13	U	15	U
2-Butanone	14	UJ	13	UJ	13	UJ	13	UJ	15	UJ
1,1,1-Trichloroethane	14	U	13	U	13	UJ	13	U	15	U
Carbon Tetrachloride	14	U	13	U	13	UJ	13	U	15	U
Bromodichloromethane	14	U	13	U	13	UJ	13	U	15	U
1,2-Dichloropropane	14	U	13	U	13	UJ	13	U	15	U
cis-1,3-Dichloropropene	14	U	13	U	13	UJ	13	U	15	U
Trichloroethene	14	U	13	U	13	UJ	13	U	15	U
Dibromochloromethane	14	U	13	U	13	UJ	13	U	15	U
1,1,2-Trichloroethane	14	U	13	U	13	UJ	13	U	15	U
Benzene	14	U	13	U	13	UJ	13	U	15	U
trans-1,3-Dichloropropene	14	U	13	U	13	UJ	13	U	15	U
Bromoform	14	U	13	U	13	UJ	13	U	15	U
4-Methyl-2-Pentanone	14	UJ	13	UJ	13	UJ	13	UJ	15	UJ
2-Hexanone	14	UJ	13	UJ	13	UJ	13	UJ	15	UJ
Tetrachloroethene	14	U	13	U	13	UJ	13	UJ	15	U
1,1,2,2-Tetrachloroethane	14	U	13	U	13	UJ	13	UJ	15	U
Toluene	14	U	13	U	13	UJ	1	J	2	J
Chlorobenzene	14	U	13	U	13	UJ	13	UJ	15	U
Ethylbenzene	14	U	13	U	13	UJ	13	UJ	15	U
Styrene	14	U	13	U	13	UJ	13	UJ	15	U
Xylene (total)	14	U	13	U	13	UJ	13	UJ	15	U

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245 Site: STEEL CITY NATIONAL BANK
SDG No: ECFK5 Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFM2		VBLKDR		VBLKDS		VBLKDT		VHBLKDT	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X206									
SAMPLE TYPE:	Routine Sample		Method Blank		Method Blank		Method Blank		Storage Blank	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	29		0		0		0			
VOA										
Chloromethane	14	U	10	U	10	U	10	U	10	U
Bromomethane	14	U	10	U	10	U	10	U	10	U
Vinyl Chloride	14	U	10	U	10	U	10	U	10	U
Chloroethane	14	U	10	U	10	U	10	U	10	U
Methylene Chloride	11	J	10	U	10	U	10	U	2	J
Acetone	14	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Carbon Disulfide	14	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	14	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	14	U	10	U	10	U	10	U	10	U
1,2-Dichloroethene (total)	14	U	10	U	10	U	10	U	10	U
Chloroform	14	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	14	U	10	U	10	U	10	U	10	U
2-Butanone	14	UJ	10	UJ	10	UJ	10	UJ	10	UJ
1,1,1-Trichloroethane	14	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	14	U	10	U	10	U	10	U	10	U
Bromodichloromethane	14	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	14	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	14	U	10	U	10	U	10	U	10	U
Trichloroethene	14	U	10	U	10	U	10	U	10	U
Dibromochloromethane	14	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	14	U	10	U	10	U	10	U	10	U
Benzene	14	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	14	U	10	U	10	U	10	U	10	U
Bromoform	14	U	10	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	14	UJ	10	U	10	UJ	10	UJ	10	UJ
2-Hexanone	14	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Tetrachloroethene	14	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	14	U	10	U	10	U	10	U	10	U
Toluene	14	U	10	U	10	U	10	U	10	U
Chlorobenzene	14	U	10	U	10	U	10	U	10	U
Ethylbenzene	14	U	10	U	10	U	10	U	10	U
Styrene	14	U	10	U	10	U	10	U	10	U
Xylene (total)	14	U	10	U	10	U	10	U	10	U

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFK5		ECFK5DL		ECFK5MS		ECFK5MSD		ECFK6	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X101		X101		X101		X101		X102	
SAMPLE TYPE:	Routine Sample		Routine Sample		Matrix Spike		Matrix Spike Dup		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		5.0		1.0		1.0		1.0	
PERCENT MOISTURE:	15		15		15		15		62	
BNA										
Phenol	390	U	1900	U	3000	J	2700	J	870	U
bis(2-Chloroethyl)ether	390	U	1900	U	390	U	390	U	870	U
2-Chlorophenol	390	U	1900	U	3100	J	2800	J	870	U
1,3-Dichlorobenzene	390	U	1900	U	390	U	390	U	870	U
1,4-Dichlorobenzene	390	U	1900	U	1800	J	1600	J	870	U
1,2-Dichlorobenzene	390	U	1900	U	390	U	390	U	870	U
2-Methylphenol	390	U	1900	U	390	U	390	U	870	U
2,2'-oxybis(1-Chloropropane)	390	U	1900	UJ	390	U	390	U	870	U
4-Methylphenol	390	U	1900	U	390	U	390	U	150	J
N-Nitroso-di-n-propylamine	390	U	1900	U	2600	J	2200	J	870	U
Hexachloroethane	390	U	1900	U	390	U	390	U	870	U
Nitrobenzene	390	U	1900	U	390	U	390	U	870	U
Isophorone	390	U	1900	U	390	U	390	U	870	U
2-Nitrophenol	390	U	1900	U	390	U	390	U	870	U
2,4-Dimethylphenol	390	U	1900	U	390	U	390	U	870	U
bis(2-Chloroethoxy)methane	390	U	1900	U	390	U	390	U	870	U
2,4-Dichlorophenol	390	U	1900	U	390	U	390	U	870	U
1,2,4-Trichlorobenzene	390	U	1900	U	2000	J	1800	J	870	U
Naphthalene	34	J	1900	U	48	J	64	J	82	J
4-Chloroaniline	390	U	1900	U	390	U	390	U	870	U
Hexachlorobutadiene	390	U	1900	U	390	U	390	U	870	U
4-Chloro-3-methylphenol	390	U	1900	U	2800	J	2200	J	870	U
2-Methylnaphthalene	29	J	1900	UJ	39	J	87	J	71	J
Hexachlorocyclopentadiene	390	U	1900	UJ	390	U	390	U	870	U
2,4,6-Trichlorophenol	390	U	1900	U	390	U	390	U	870	U
2,4,5-Trichlorophenol	980	U	4900	U	980	U	980	U	2200	U
2-Chloronaphthalene	390	U	1900	U	390	U	390	U	870	U
2-Nitroaniline	980	U	4900	UJ	980	U	980	U	2200	U
Dimethylphthalate	390	U	1900	U	390	U	390	U	870	U
Acenaphthylene	49	J	130	J	140	J	67	J	56	J
2,6-Dinitrotoluene	390	U	1900	U	390	U	390	U	870	U
3-Nitroaniline	980	U	4900	U	980	U	980	U	2200	U
Acenaphthene	100	J	160	J	3000		3200		100	J
2,4-Dinitrophenol	980	U	4900	U	980	U	980	U	2200	U
4-Nitrophenol	980	U	4900	U	3400		2500		2200	U
Dibenzofuran	48	J	1900	U	170	J	440		69	J
2,4-Dinitrotoluene	390	U	1900	U	1800		1300		870	U
Diethylphthalate	390	U	1900	U	390	U	390	U	870	U
4-Chlorophenyl-phenylether	390	U	1900	UJ	390	U	390	U	870	U
Fluorene	95	J	190	J	350	J	620		150	J
4-Nitroaniline	980	U	4900	UJ	980	U	980	U	2200	U
4,6-Dinitro-2-methylphenol	980	U	4900	U	980	U	980	U	2200	U
N-Nitrosodiphenylamine (1)	390	U	1900	U	390	U	390	U	870	U
4-Bromophenyl-phenylether	390	U	1900	U	390	U	390	U	870	U
Hexachlorobenzene	390	U	1900	U	390	U	390	U	870	U
Pentachlorophenol	980	U	4900	U	2200		1500		2200	U
Phenanthrene	2600		2600		12000		16000		2000	
Anthracene	540		700	J	2500		2500		420	J
Carbazole	92	J	140	J	240	J	300	J	140	J
Di-n-butylphthalate	200	J	260	J	220	J	240	J	200	J
Fluoranthene	12000		7900		33000		24000		6300	
Pyrene	7200	J	8400		20000		24000		3700	J
Butylbenzylphthalate	390	U	1900	U	390	U	390	U	300	J
3,3'-Dichlorobenzidine	390	U	1900	U	390	U	390	U	870	U
Benzo(a)anthracene	4600		5100		11000		10000		2000	J
Chrysene	5400		5000		12000		11000		4100	J
bis(2-Ethylhexyl)phthalate	1600	J	2500	U	1200	UJ	1700	J	8700	J
Di-n-octylphthalate	200	J	350	J	390	U	390	U	940	
Benzo(b)fluoranthene	4400		4400		7900		6200		3500	
Benzo(k)fluoranthene	5000		5200		11000		7900		3900	
Benzo(a)pyrene	4600		5100		9000		6400		2600	
Indeno(1,2,3-cd)pyrene	3300	J	3200		5600	J	4200	J	1600	J
Dibenz(a,h)anthracene	1100	J	1700	J	1500	J	1300	J	650	J
Benzo(g,h,i)perylene	1400	J	1900		1800	J	1400	J	1000	J

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFK6DL		ECFK7		ECFK7RE		ECFK8		ECFK8RE	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X102		X103		X103		X104		X104	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	5.0		1.0		1.0		5.0		5.0	
PERCENT MOISTURE:	62		20		20		23		23	
BNA										
Phenol	4300	U	410	UJ	410	U	2100	U	2100	U
bis(2-Chloroethyl)ether	4300	U	410	UJ	410	U	2100	U	2100	U
2-Chlorophenol	4300	U	410	UJ	410	U	2100	U	2100	U
1,3-Dichlorobenzene	4300	U	410	UJ	410	U	2100	U	2100	U
1,4-Dichlorobenzene	4300	U	410	UJ	410	U	2100	U	2100	U
1,2-Dichlorobenzene	4300	U	410	UJ	410	U	2100	U	2100	U
2-Methylphenol	4300	U	410	UJ	410	U	2100	U	2100	U
2,2'-oxybis(1-Chloropropane)	4300	U	410	UJ	410	U	2100	U	2100	U
4-Methylphenol	4300	U	410	UJ	410	U	2100	U	2100	U
N-Nitroso-di-n-propylamine	4300	U	410	UJ	410	U	2100	U	2100	U
Hexachloroethane	4300	U	410	UJ	410	U	2100	U	2100	U
Nitrobenzene	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
Isophorone	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
2-Nitrophenol	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
2,4-Dimethylphenol	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
bis(2-Chloroethoxy)methane	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
2,4-Dichlorophenol	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
1,2,4-Trichlorobenzene	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
Naphthalene	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
4-Chloroaniline	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
Hexachlorobutadiene	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
4-Chloro-3-methylphenol	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
2-Methylnaphthalene	4300	UJ	410	UJ	410	U	2100	UJ	2100	U
Hexachlorocyclopentadiene	4300	R	410	R	410	UJ	2100	UJ	2100	U
2,4,6-Trichlorophenol	4300	R	410	R	410	UJ	2100	UJ	2100	U
2,4,5-Trichlorophenol	11000	R	1000	R	1000	UJ	5400	UJ	5400	U
2-Chloronaphthalene	4300	R	410	R	410	UJ	2100	UJ	2100	U
2-Nitroaniline	11000	R	1000	R	1000	UJ	5400	UJ	5400	U
Dimethylphthalate	4300	R	410	R	410	UJ	2100	UJ	2100	U
Acenaphthylene	4300	R	410	R	410	UJ	390	J	380	J
2,6-Dinitrotoluene	4300	R	410	R	410	UJ	2100	UJ	2100	U
3-Nitroaniline	11000	R	1000	R	1000	UJ	5400	UJ	5400	U
Acenaphthene	4300	R	410	R	410	UJ	2100	UJ	2100	U
2,4-Dinitrophenol	11000	R	1000	R	1000	UJ	5400	UJ	5400	U
4-Nitrophenol	11000	R	1000	R	1000	UJ	5400	UJ	5400	U
Dibenzofuran	4300	R	410	R	410	UJ	2100	UJ	2100	U
2,4-Dinitrotoluene	4300	R	410	R	410	UJ	2100	UJ	2100	U
Diethylphthalate	4300	R	410	R	410	UJ	2100	UJ	2100	U
4-Chlorophenyl-phenylether	4300	R	410	R	410	UJ	2100	UJ	2100	U
Fluorene	4300	R	410	R	410	UJ	2100	UJ	2100	U
4-Nitroaniline	11000	R	1000	R	1000	UJ	5400	UJ	5400	U
4,6-Dinitro-2-methylphenol	11000	R	1000	R	1000	R	5400	R	5400	UJ
N-Nitrosodiphenylamine (1)	4300	R	410	R	410	R	2100	R	2100	UJ
4-Bromophenyl-phenylether	4300	R	410	R	410	R	2100	R	2100	UJ
Hexachlorobenzene	4300	R	410	R	410	R	2100	R	2100	UJ
Pentachlorophenol	11000	R	1000	R	1000	R	5400	R	5400	UJ
Phenanthrene	2000	J	130	J	410	R	1300	J	1300	J
Anthracene	4300	R	27	J	410	R	440	J	320	J
Carbazole	4300	R	410	R	410	R	2100	R	2100	UJ
Di-n-butylphthalate	4300	R	410	R	410	R	2100	R	2100	UJ
Fluoranthene	7900	J	760	J	710	J	4100	J	2000	J
Pyrene	1400	J	150	J	190	J	940	J	2000	J
Butylbenzylphthalate	460	J	110	J	120	J	420	J	560	J
3,3'-Dichlorobenzidine	4300	U	410	U	410	U	2100	UJ	2100	UJ
Benzo(a)anthracene	2100	J	92	J	86	J	2400	J	2500	J
Chrysene	4200	J	190	J	220	J	4500	J	3900	J
bis(2-Ethylhexyl)phthalate	16000		800	U	880	U	2100	UJ	2100	UJ
Di-n-octylphthalate	640	J	120	J	210	J	2100	UJ	2100	U
Benzo(b)fluoranthene	4300	UJ	270	J	410	U	4100	J	3600	
Benzo(k)fluoranthene	4300	UJ	170	J	410	U	5000	J	3500	
Benzo(a)pyrene	4300	UJ	410	U	410	U	3600	J	2800	
Indeno(1,2,3-cd)pyrene	4300	UJ	410	U	410	U	3100	J	3100	
Dibenz(a,h)anthracene	4300	UJ	410	U	410	U	1400	J	1600	J
Benzo(g,h,i)perylene	4300	UJ	410	U	410	U	2100	UJ	780	J

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFK9		ECFK9RE		ECFL0		ECFLORE		ECFL1	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X105		X105		X106		X106		X107	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	5.0		5.0		1.0		1.0		1.0	
PERCENT MOISTURE:	24		24		19		19		25	
BNA										
Phenol	2200	U	2200	U	410	U	410	U	440	U
bis(2-Chloroethyl)ether	2200	U	2200	U	410	U	410	U	440	U
2-Chlorophenol	2200	U	2200	U	410	U	410	U	440	U
1,3-Dichlorobenzene	2200	U	2200	U	410	U	410	U	440	U
1,4-Dichlorobenzene	2200	U	2200	U	410	U	410	U	440	U
1,2-Dichlorobenzene	2200	U	2200	U	410	U	410	U	440	U
2-Methylphenol	2200	U	2200	U	410	U	410	U	440	U
2,2'-oxybis(1-Chloropropane)	2200	U	2200	U	410	U	410	U	440	U
4-Methylphenol	2200	U	2200	U	410	U	410	U	440	U
N-Nitroso-di-n-propylamine	2200	U	2200	U	410	U	410	U	440	U
Hexachloroethane	2200	U	2200	U	410	U	410	U	440	U
Nitrobenzene	2200	U	2200	U	410	U	410	U	440	U
Isophorone	2200	U	2200	U	410	U	410	U	440	U
2-Nitrophenol	2200	U	2200	U	410	U	410	U	440	U
2,4-Dimethylphenol	2200	U	2200	U	410	U	410	U	440	U
bis(2-Chloroethoxy)methane	2200	U	2200	U	410	U	410	U	440	U
2,4-Dichlorophenol	2200	U	2200	U	410	U	410	U	440	U
1,2,4-Trichlorobenzene	2200	U	2200	U	410	U	410	U	440	U
Naphthalene	2200	U	2200	U	410	U	410	U	440	U
4-Chloroaniline	2200	U	2200	U	410	U	410	U	440	U
Hexachlorobutadiene	2200	U	2200	U	410	U	410	U	440	U
4-Chloro-3-methylphenol	2200	U	2200	U	410	U	410	U	440	U
2-Methylnaphthalene	2200	U	2200	U	410	U	410	U	440	U
Hexachlorocyclopentadiene	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
2,4,6-Trichlorophenol	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
2,4,5-Trichlorophenol	5500	UJ	5500	UJ	1000	UJ	1000	UJ	1100	UJ
2-Chloronaphthalene	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
2-Nitroaniline	5500	UJ	5500	UJ	1000	UJ	1000	UJ	1100	UJ
Dimethylphthalate	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
Acenaphthylene	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
2,6-Dinitrotoluene	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
3-Nitroaniline	5500	UJ	5500	UJ	1000	UJ	1000	UJ	1100	UJ
Acenaphthene	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
2,4-Dinitrophenol	5500	UJ	5500	UJ	1000	UJ	1000	UJ	1100	UJ
4-Nitrophenol	5500	UJ	5500	UJ	1000	UJ	1000	UJ	1100	UJ
Dibenzofuran	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
2,4-Dinitrotoluene	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
Diethylphthalate	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
4-Chlorophenyl-phenylether	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
Fluorene	2200	UJ	2200	UJ	410	UJ	410	UJ	440	UJ
4-Nitroaniline	5500	UJ	5500	UJ	1000	UJ	1000	UJ	1100	UJ
4,6-Dinitro-2-methylphenol	5500	R	5500	R	1000	R	1000	R	1100	R
N-Nitrosodiphenylamine (1)	2200	R	2200	R	410	R	410	R	440	R
4-Bromophenyl-phenylether	2200	R	2200	R	410	R	410	R	440	R
Hexachlorobenzene	2200	R	2200	R	410	R	410	R	440	R
Pentachlorophenol	5500	R	5500	R	1000	R	1000	R	1100	R
Phenanthrene	690	J	740	J	410	R	410	R	55	J
Anthracene	280	J	2200	R	410	R	410	R	440	R
Carbazole	2200	R	2200	R	410	R	410	R	440	R
Di-n-butylphthalate	2200	R	2200	R	410	R	59	J	79	J
Fluoranthene	1500	J	1400	J	410	R	410	R	440	R
Pyrene	270	J	230	J	410	UJ	410	UJ	440	U
Butylbenzylphthalate	2200	U	2200	UJ	410	U	410	U	87	J
3,3'-Dichlorobenzidine	2200	U	2200	UJ	410	U	410	U	440	U
Benzo(a)anthracene	600	J	660	J	410	UJ	410	UJ	34	J
Chrysene	1200	J	1300	J	410	U	410	U	84	J
bis(2-Ethylhexyl)phthalate	3100	U	3300	UJ	410	U	410	U	1800	J
Di-n-octylphthalate	390	J	410	J	180	J	180	J	120	J
Benzo(b)fluoranthene	2300	J	2100	J	410	U	410	U	440	U
Benzo(k)fluoranthene	2600	J	2700	J	410	U	410	U	440	U
Benzo(a)pyrene	520	J	2200	UJ	410	U	410	U	440	U
Indeno(1,2,3-cd)pyrene	3400	J	3300	J	410	U	410	U	440	U
Dibenz(a,h)anthracene	920	J	900	J	410	U	410	U	440	U
Benzo(g,h,i)perylene	1800	J	2200	UJ	410	U	410	U	440	U

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245 Site: STEEL CITY NATIONAL BANK
SDG No: ECFK5 Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL1RE		ECFL2		ECFL2DL		ECFL3		ECFL3RE	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X107		X108		X108		X109		X109	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		2.0		1.0		1.0	
PERCENT MOISTURE:	25		24		24		36		36	
BNA										
Phenol	440	U	430	UJ	870	UJ	520	U	520	U
bis(2-Chloroethyl)ether	440	U	430	UJ	870	UJ	520	U	520	U
2-Chlorophenol	440	U	430	UJ	870	UJ	520	U	520	U
1,3-Dichlorobenzene	440	U	430	UJ	870	UJ	520	U	520	U
1,4-Dichlorobenzene	440	U	430	UJ	870	UJ	520	U	520	U
1,2-Dichlorobenzene	440	U	430	UJ	870	UJ	520	U	520	U
2-Methylphenol	440	U	430	UJ	870	UJ	520	U	520	U
2,2'-oxybis(1-Chloropropane)	440	U	430	UJ	870	UJ	520	U	520	U
4-Methylphenol	440	U	430	UJ	870	UJ	520	U	520	U
N-Nitroso-di-n-propylamine	440	U	430	UJ	870	UJ	520	U	520	U
Hexachloroethane	440	U	430	UJ	870	UJ	520	U	520	U
Nitrobenzene	440	U	430	UJ	870	UJ	520	U	520	U
Isophorone	440	U	430	UJ	870	UJ	520	U	520	U
2-Nitrophenol	440	U	430	UJ	870	UJ	520	U	520	U
2,4-Dimethylphenol	440	U	430	UJ	870	UJ	520	U	520	U
bis(2-Chloroethoxy)methane	440	U	430	UJ	870	UJ	520	U	520	U
2,4-Dichlorophenol	440	U	430	UJ	870	UJ	520	U	520	U
1,2,4-Trichlorobenzene	440	U	430	UJ	870	UJ	520	U	520	U
Naphthalene	440	U	430	UJ	870	UJ	520	U	520	U
4-Chloroaniline	440	U	430	UJ	870	UJ	520	U	520	U
Hexachlorobutadiene	440	U	430	UJ	870	UJ	520	U	520	U
4-Chloro-3-methylphenol	440	U	430	UJ	870	UJ	520	U	520	U
2-Methylnaphthalene	440	U	430	UJ	870	UJ	520	U	520	U
Hexachlorocyclopentadiene	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
2,4,6-Trichlorophenol	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
2,4,5-Trichlorophenol	1100	UJ	1100	UJ	2200	UJ	1300	UJ	1300	UJ
2-Chloronaphthalene	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
2-Nitroaniline	1100	UJ	1100	UJ	2200	UJ	1300	UJ	1300	UJ
Dimethylphthalate	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
Acenaphthylene	440	UJ	39	J	45	J	520	UJ	520	UJ
2,6-Dinitrotoluene	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
3-Nitroaniline	1100	UJ	1100	UJ	2200	UJ	1300	UJ	1300	UJ
Acenaphthene	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
2,4-Dinitrophenol	1100	UJ	1100	UJ	2200	UJ	1300	UJ	1300	UJ
4-Nitrophenol	1100	UJ	1100	UJ	2200	UJ	1300	UJ	1300	UJ
Dibenzofuran	440	UJ	42	J	62	J	520	UJ	520	UJ
2,4-Dinitrotoluene	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
Diethylphthalate	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
4-Chlorophenyl-phenylether	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
Fluorene	440	UJ	430	UJ	870	UJ	520	UJ	520	UJ
4-Nitroaniline	1100	UJ	1100	UJ	2200	UJ	1300	UJ	1300	UJ
4,6-Dinitro-2-methylphenol	1100	R	1100	UJ	2200	UJ	1300	R	1300	R
N-Nitrosodiphenylamine (1)	440	R	430	UJ	870	UJ	520	R	520	R
4-Bromophenyl-phenylether	440	R	430	UJ	870	UJ	520	R	520	R
Hexachlorobenzene	440	R	650	J	550	J	520	R	520	R
Pentachlorophenol	1100	R	30	J	2200	UJ	1300	R	1300	R
Phenanthrene	56	J	620	J	650	J	520	R	520	R
Anthracene	440	R	190	J	160	J	520	R	520	R
Carbazole	440	R	430	UJ	870	UJ	520	R	520	R
Di-n-butylphthalate	440	R	430	UJ	870	UJ	520	R	520	R
Fluoranthene	440	R	770	J	640	J	520	R	520	R
Pyrene	440	U	300	J	890	J	520	UJ	520	U
Butylbenzylphthalate	92	J	53	J	130	J	520	UJ	520	U
3,3'-Dichlorobenzidine	440	U	430	UJ	870	UJ	520	UJ	520	U
Benzo(a)anthracene	31	J	620	J	780	J	520	UJ	520	U
Chrysene	74	J	1300	J	1500	J	520	UJ	520	U
bis(2-Ethylhexyl)phthalate	1800	J	1500	UJ	1600	UJ	520	UJ	520	U
Di-n-octylphthalate	110	J	430	UJ	870	UJ	520	UJ	520	U
Benzo(b)fluoranthene	440	U	2500	J	2300	J	520	UJ	520	U
Benzo(k)fluoranthene	440	U	3500	J	3200	J	520	UJ	520	U
Benzo(a)pyrene	440	U	430	UJ	870	UJ	520	UJ	520	U
Indeno(1,2,3-cd)pyrene	440	U	3700	J	4600	J	520	UJ	520	U
Dibenz(a,h)anthracene	440	U	910	J	1400	J	520	UJ	520	U
Benzo(g,h,i)perylene	440	U	1800	J	2900	J	520	UJ	520	U

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL4		ECFL4RE		ECFL5		ECFL6		ECFL7	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X110		X110		X111		X112		X201	
AMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	20		20		30		30		28	
BNA										
Phenol	410	U	410	U	470	UJ	470	U	460	U
bis(2-Chloroethyl)ether	410	U	410	U	470	UJ	470	U	460	U
2-Chlorophenol	410	U	410	U	470	UJ	470	U	460	U
1,3-Dichlorobenzene	410	U	410	U	470	UJ	470	U	460	U
1,4-Dichlorobenzene	410	U	410	U	470	UJ	470	U	460	U
1,2-Dichlorobenzene	410	U	410	U	470	UJ	470	U	460	U
2-Methylphenol	410	U	410	U	470	UJ	470	U	460	U
2,2'-oxybis(1-Chloropropane)	410	U	410	U	470	UJ	470	U	460	U
4-Methylphenol	410	U	410	U	470	UJ	470	U	460	U
N-Nitroso-di-n-propylamine	410	U	410	U	470	UJ	470	U	460	U
Hexachloroethane	410	U	410	U	470	UJ	470	U	460	U
Nitrobenzene	410	U	410	U	470	UJ	470	U	460	U
Isophorone	410	U	410	U	470	UJ	470	U	43	J
2-Nitrophenol	410	U	410	U	470	UJ	470	U	39	J
2,4-Dimethylphenol	410	U	410	U	470	UJ	470	U	460	U
bis(2-Chloroethoxy)methane	410	U	410	U	470	UJ	470	U	460	U
2,4-Dichlorophenol	410	U	410	U	470	UJ	470	U	460	U
1,2,4-Trichlorobenzene	410	U	410	U	470	UJ	470	U	460	U
Naphthalene	410	U	410	U	470	UJ	470	U	460	U
4-Chloroaniline	410	U	410	U	470	UJ	470	U	24	J
Hexachlorobutadiene	410	U	410	U	470	UJ	470	U	460	U
4-Chloro-3-methylphenol	410	U	410	U	470	UJ	470	U	460	U
2-Methylnaphthalene	410	U	410	U	470	UJ	470	U	460	U
Hexachlorocyclopentadiene	410	U	410	U	470	UJ	470	U	460	U
2,4,6-Trichlorophenol	410	U	410	U	470	UJ	470	U	460	U
2,4,5-Trichlorophenol	1000	U	1000	U	1200	UJ	1200	U	1200	U
2-Chloronaphthalene	410	U	410	U	470	UJ	470	U	460	U
2-Nitroaniline	1000	U	1000	U	1200	UJ	1200	U	1200	U
Dimethylphthalate	410	U	410	U	470	UJ	470	U	460	U
Acenaphthylene	410	U	410	U	470	UJ	470	U	460	U
2,6-Dinitrotoluene	410	U	410	U	470	UJ	470	U	460	U
3-Nitroaniline	1000	U	1000	U	1200	UJ	1200	U	1200	U
Acenaphthene	410	U	410	U	470	UJ	470	U	460	U
2,4-Dinitrophenol	1000	UJ	1000	UJ	1200	UJ	1200	U	1200	U
4-Nitrophenol	1000	U	1000	U	1200	UJ	1200	U	590	J
Dibenzofuran	410	U	410	U	470	UJ	470	U	460	U
2,4-Dinitrotoluene	410	U	410	U	470	UJ	470	U	460	U
Diethylphthalate	410	U	410	U	470	UJ	470	U	460	U
4-Chlorophenyl-phenylether	410	U	410	U	470	UJ	470	U	460	U
Fluorene	410	U	410	U	470	UJ	470	U	460	U
4-Nitroaniline	1000	U	1000	U	1200	UJ	1200	U	1200	U
4,6-Dinitro-2-methylphenol	1000	R	1000	R	1200	UJ	1200	U	1200	U
N-Nitrosodiphenylamine (1)	410	R	410	R	470	UJ	470	U	460	U
4-Bromophenyl-phenylether	410	R	410	R	470	UJ	470	U	460	U
Hexachlorobenzene	410	R	410	R	470	UJ	470	U	460	U
Pentachlorophenol	1000	R	1000	R	1200	UJ	1200	U	1200	U
Phenanthrene	410	R	410	R	63	J	41	J	42	J
Anthracene	410	R	410	R	470	UJ	470	U	460	U
Carbazole	410	R	410	R	470	UJ	470	U	460	U
Di-n-butylphthalate	410	R	410	R	470	UJ	470	U	460	U
Fluoranthene	410	R	410	R	96	J	470	U	65	J
Pyrene	410	UJ	410	U	84	J	470	U	44	J
Butylbenzylphthalate	410	UJ	410	U	470	UJ	470	U	460	U
3,3'-Dichlorobenzidine	410	UJ	410	U	470	UJ	470	U	460	U
Benzo(a)anthracene	410	UJ	410	U	30	J	470	U	34	J
Chrysene	410	UJ	410	U	49	J	470	U	52	J
bis(2-Ethylhexyl)phthalate	410	UJ	410	U	470	UJ	470	U	460	U
Di-n-octylphthalate	410	U	410	U	470	UJ	470	U	460	U
Benzo(b)fluoranthene	410	U	410	U	35	J	470	U	460	U
Benzo(k)fluoranthene	410	U	410	U	44	J	470	U	460	U
Benzo(a)pyrene	410	U	410	U	34	J	470	U	50	J
Indeno(1,2,3-cd)pyrene	410	U	410	U	81	J	470	U	460	U
Dibenz(a,h)anthracene	410	U	410	U	56	J	470	U	460	U
Benzo(g,h,i)perylene	410	U	410	U	82	J	470	U	460	U

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245 Site: STEEL CITY NATIONAL BANK
SDG No: ECFK5 Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL8		ECFL8RE		ECFL9		ECFM0		ECFM1	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X202		X202		X203		X204		X205	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	30		30		23		21		32	
BNA										
Phenol	470	U	470	U	430	U	420	UJ	480	U
bis(2-Chloroethyl)ether	470	U	470	U	430	U	420	UJ	480	U
2-Chlorophenol	470	U	470	U	430	U	420	UJ	480	U
1,3-Dichlorobenzene	470	U	470	U	430	U	420	UJ	480	U
1,4-Dichlorobenzene	470	U	470	U	430	U	420	UJ	480	U
1,2-Dichlorobenzene	470	U	470	U	430	U	420	UJ	480	U
2-Methylphenol	470	U	470	U	430	U	420	UJ	480	U
2,2'-oxybis(1-Chloropropane)	470	U	470	U	430	UJ	420	UJ	480	U
4-Methylphenol	470	U	470	U	430	U	420	UJ	480	U
N-Nitroso-di-n-propylamine	470	U	470	U	430	U	420	UJ	480	U
Hexachloroethane	470	U	470	U	430	U	420	UJ	480	U
Nitrobenzene	470	U	470	U	430	U	420	UJ	480	U
Isophorone	470	U	470	U	430	U	420	UJ	480	U
2-Nitrophenol	470	U	470	U	430	U	420	UJ	480	U
2,4-Dimethylphenol	470	U	470	U	430	U	420	UJ	480	U
bis(2-Chloroethoxy)methane	470	U	470	U	430	U	420	UJ	480	U
2,4-Dichlorophenol	470	U	470	U	430	U	420	UJ	480	U
1,2,4-Trichlorobenzene	470	U	470	U	430	U	420	UJ	480	U
Naphthalene	26	J	25	J	430	U	420	UJ	480	U
4-Chloroaniline	470	U	470	U	430	U	420	UJ	480	U
Hexachlorobutadiene	470	U	470	U	430	U	420	UJ	480	U
4-Chloro-3-methylphenol	470	U	470	U	430	U	420	UJ	480	U
2-Methylnaphthalene	34	J	27	J	430	UJ	420	UJ	480	U
Hexachlorocyclopentadiene	470	U	470	UJ	430	U	420	UJ	480	U
2,4,6-Trichlorophenol	470	U	470	UJ	430	U	420	UJ	480	U
2,4,5-Trichlorophenol	1200	U	1200	UJ	1100	U	1000	UJ	1200	U
2-Chloronaphthalene	470	U	470	UJ	430	U	420	UJ	480	U
2-Nitroaniline	1200	U	1200	UJ	1100	UJ	1000	UJ	1200	U
Dimethylphthalate	470	U	470	UJ	430	U	420	UJ	480	U
Acenaphthylene	470	U	470	UJ	430	U	420	UJ	480	U
2,6-Dinitrotoluene	470	U	470	UJ	430	U	420	UJ	480	U
3-Nitroaniline	1200	U	1200	UJ	1100	U	1000	UJ	1200	U
Acenaphthene	45	J	54	J	27	J	420	UJ	480	U
2,4-Dinitrophenol	1200	U	1200	UJ	1100	U	1000	UJ	1200	U
4-Nitrophenol	1200	U	1200	UJ	1100	U	1000	UJ	1200	U
Dibenzofuran	470	U	470	UJ	24	J	420	UJ	480	U
2,4-Dinitrotoluene	470	U	470	UJ	430	U	420	UJ	480	U
Diethylphthalate	470	U	470	UJ	430	U	420	UJ	480	U
4-Chlorophenyl-phenylether	470	U	470	UJ	430	U	420	UJ	480	U
Fluorene	470	U	470	UJ	45	J	420	UJ	480	U
4-Nitroaniline	1200	U	1200	UJ	1100	U	1000	UJ	1200	U
4,6-Dinitro-2-methylphenol	1200	UJ	1200	R	1100	U	1000	UJ	1200	U
N-Nitrosodiphenylamine (1)	470	UJ	470	R	430	U	420	UJ	480	U
4-Bromophenyl-phenylether	470	UJ	470	R	430	U	420	UJ	480	U
Hexachlorobenzene	470	UJ	470	R	430	U	420	UJ	480	U
Pentachlorophenol	1200	UJ	1200	R	120	J	1000	UJ	1200	U
Phenanthrene	290	J	330	J	300	J	420	UJ	480	U
Anthracene	67	J	82	J	54	J	420	UJ	480	U
Carbazole	36	J	470	R	430	U	420	UJ	480	U
Di-n-butylphthalate	27	J	470	R	29	J	420	UJ	480	U
Fluoranthene	580	J	550	J	300	J	420	UJ	480	U
Pyrene	210	J	110	J	290	J	22	J	480	U
Butylbenzylphthalate	470	U	470	UJ	430	U	420	UJ	480	U
3,3'-Dichlorobenzidine	470	U	470	UJ	430	U	420	UJ	480	U
Benzo(a)anthracene	220	J	180	J	120	J	22	J	480	U
Chrysene	310	J	330	J	150	J	24	J	480	U
bis(2-Ethylhexyl)phthalate	470	U	470	UJ	430	U	420	UJ	480	U
Di-n-octylphthalate	470	U	25	J	430	U	420	UJ	480	U
Benzo(b)fluoranthene	250	J	220	J	99	J	420	UJ	480	U
Benzo(k)fluoranthene	230	J	240	J	140	J	420	UJ	480	U
Benzo(a)pyrene	230	J	260	J	94	J	420	UJ	480	U
Indeno(1,2,3-cd)pyrene	470	U	470	U	120	J	420	UJ	480	U
Dibenz(a,h)anthracene	470	U	470	U	56	J	420	UJ	480	U
Benzo(g,h,i)perylene	470	U	470	U	79	J	420	UJ	480	U

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFM2		SBLKBA		SBLKBO		SBLKBS		SBLKFK	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X206									
SAMPLE TYPE:	Routine Sample		Method Blank		Method Blank		Method Blank		Method Blank	
MATRIX/ANALYSIS:	Soil/Low		Soil/Low		Soil/Low		Soil/Low		Soil/Low	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	29		0		0		0		0	
BNA										
Phenol	460	U	330	U	330	U	330	U	160	U
bis(2-Chloroethyl)ether	460	U	330	U	330	U	330	U	160	U
2-Chlorophenol	460	U	330	U	330	U	330	U	160	U
1,3-Dichlorobenzene	460	U	330	U	330	U	330	U	160	U
1,4-Dichlorobenzene	460	U	330	U	330	U	330	U	160	U
1,2-Dichlorobenzene	460	U	330	U	330	U	330	U	160	U
2-Methylphenol	460	U	330	U	330	U	330	U	160	U
2,2'-oxybis(1-Chloropropane)	460	UJ	330	UJ	330	U	330	UJ	160	U
4-Methylphenol	460	U	330	U	330	U	330	U	160	U
N-Nitroso-di-n-propylamine	460	U	330	U	330	U	330	U	160	U
Hexachloroethane	460	U	330	U	330	U	330	U	160	U
Nitrobenzene	460	U	330	U	330	U	330	U	160	U
Isophorone	460	U	330	U	330	U	330	U	160	U
2-Nitrophenol	460	U	330	U	330	U	330	U	160	U
2,4-Dimethylphenol	460	U	330	U	330	U	330	U	160	U
bis(2-Chloroethoxy)methane	460	U	330	U	330	U	330	U	160	U
2,4-Dichlorophenol	460	U	330	U	330	U	330	U	160	U
1,2,4-Trichlorobenzene	460	U	330	U	330	U	330	U	160	U
Naphthalene	460	U	330	U	330	U	330	U	160	U
4-Chloroaniline	460	U	330	U	330	U	330	U	160	U
Hexachlorobutadiene	460	U	330	U	330	U	330	U	160	U
4-Chloro-3-methylphenol	460	U	96	J	330	U	330	U	160	U
2-Methylnaphthalene	460	UJ	330	UJ	330	U	330	UJ	160	U
Hexachlorocyclopentadiene	460	U	330	U	330	U	330	U	160	U
2,4,6-Trichlorophenol	460	U	330	U	330	U	330	U	160	U
2,4,5-Trichlorophenol	1200	U	830	U	830	U	830	U	420	U
2-Chloronaphthalene	460	U	330	U	330	U	330	U	160	U
2-Nitroaniline	1200	UJ	830	UJ	830	U	830	UJ	420	U
Dimethylphthalate	460	U	330	U	330	U	330	U	160	U
Acenaphthylene	460	U	330	U	330	U	330	U	160	U
2,6-Dinitrotoluene	460	U	330	U	330	U	330	U	160	U
3-Nitroaniline	1200	U	830	U	830	U	830	U	420	U
Acenaphthene	460	U	330	U	330	U	330	U	160	U
2,4-Dinitrophenol	1200	U	830	U	830	U	830	U	420	U
4-Nitrophenol	1200	U	830	U	830	U	830	U	420	U
Dibenzofuran	460	U	330	U	330	U	330	U	160	U
2,4-Dinitrotoluene	460	U	330	U	330	U	330	U	160	U
Diethylphthalate	61	J	330	U	330	U	330	U	160	U
4-Chlorophenyl-phenylether	460	U	330	U	330	U	330	U	160	U
Fluorene	460	U	330	U	330	U	330	U	160	U
4-Nitroaniline	1200	U	830	U	830	U	830	U	420	U
4,6-Dinitro-2-methylphenol	1200	U	830	U	830	U	830	U	420	U
N-Nitrosodiphenylamine (1)	460	U	330	U	330	U	330	U	160	U
4-Bromophenyl-phenylether	460	U	330	U	330	U	330	U	160	U
Hexachlorobenzene	460	U	330	U	330	U	330	U	160	U
Pentachlorophenol	1200	U	830	U	830	U	830	U	420	U
Phenanthrene	31	J	330	U	330	U	330	U	160	U
Anthracene	460	U	330	U	330	U	330	U	160	U
Carbazole	460	U	330	U	330	U	330	U	160	U
Di-n-butylphthalate	41	J	39	J	330	U	330	U	160	U
Fluoranthene	54	J	330	U	330	U	330	U	160	U
Pyrene	42	J	330	U	330	U	330	U	160	U
Butylbenzylphthalate	460	U	330	U	330	U	330	U	160	U
3,3'-Dichlorobenzidine	460	U	330	U	330	U	330	U	160	U
Benzo(a)anthracene	460	U	330	U	330	U	330	U	160	U
Chrysene	41	J	330	U	330	U	330	U	160	U
bis(2-Ethylhexyl)phthalate	460	U	360		150	J	79	J	110	J
Di-n-octylphthalate	460	U	30	J	330	U	70	J	160	U
Benzo(b)fluoranthene	36	J	330	U	330	U	330	U	160	U
Benzo(k)fluoranthene	55	J	330	U	330	U	330	U	160	U
Benzo(a)pyrene	31	J	330	U	330	U	330	U	160	U
Indeno(1,2,3-cd)pyrene	49	J	330	UJ	330	U	330	UJ	160	UJ
Dibenz(a,h)anthracene	460	UJ	330	UJ	330	U	330	UJ	160	UJ
Benzo(g,h,i)perylene	31	J	330	UJ	330	U	330	UJ	160	UJ

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	SBLKFR					
REGIONAL SAMPLE NUMBER:						
SAMPLE LOCATION:	--					
SAMPLE TYPE:	Method Blank					
MATRIX/ANALYSIS:	Soil/Low					
DILUTION FACTOR:	1.0					
PERCENT MOISTURE:	0					
BNA						
Phenol	330	U				
bis(2-Chloroethyl)ether	330	U				
2-Chlorophenol	330	U				
1,3-Dichlorobenzene	330	U				
1,4-Dichlorobenzene	330	U				
1,2-Dichlorobenzene	330	U				
2-Methylphenol	330	U				
2,2'-oxybis(1-Chloropropane)	330	U				
4-Methylphenol	330	U				
N-Nitroso-di-n-propylamine	330	U				
Hexachloroethane	330	U				
Nitrobenzene	330	U				
Isophorone	330	U				
2-Nitrophenol	330	U				
2,4-Dimethylphenol	330	U				
bis(2-Chloroethoxy)methane	330	U				
2,4-Dichlorophenol	330	U				
1,2,4-Trichlorobenzene	330	U				
Naphthalene	330	U				
4-Chloroaniline	330	U				
Hexachlorobutadiene	330	U				
4-Chloro-3-methylphenol	67	J				
2-Methylnaphthalene	330	U				
Hexachlorocyclopentadiene	330	U				
2,4,6-Trichlorophenol	330	U				
2,4,5-Trichlorophenol	830	U				
2-Chloronaphthalene	330	U				
2-Nitroaniline	830	U				
Dimethylphthalate	330	U				
Acenaphthylene	330	U				
2,6-Dinitrotoluene	330	U				
3-Nitroaniline	830	U				
Acenaphthene	330	U				
2,4-Dinitrophenol	830	U				
4-Nitrophenol	830	U				
Dibenzofuran	330	U				
2,4-Dinitrotoluene	330	U				
Diethylphthalate	330	U				
4-Chlorophenyl-phenylether	330	U				
Fluorene	330	U				
4-Nitroaniline	830	U				
4,6-Dinitro-2-methylphenol	830	U				
N-Nitrosodiphenylamine (1)	330	U				
4-Bromophenyl-phenylether	330	U				
Hexachlorobenzene	330	U				
Pentachlorophenol	830	U				
Phenanthrene	330	U				
Anthracene	330	U				
Carbazole	330	U				
Di-n-butylphthalate	29	J				
Fluoranthene	330	U				
Pyrene	330	U				
Butylbenzylphthalate	330	U				
3,3'-Dichlorobenzidine	330	U				
Benzo(a)anthracene	330	U				
Chrysene	330	U				
bis(2-Ethylhexyl)phthalate	310	J				
Di-n-octylphthalate	31	J				
Benzo(b)fluoranthene	330	U				
Benzo(k)fluoranthene	330	U				
Benzo(a)pyrene	330	U				
Indeno(1,2,3-cd)pyrene	330	U				
Dibenz(a,h)anthracene	330	U				
Benzo(g,h,i)perylene	330	U				

Water units are reported in ug/L. Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFK5		ECFK5MS		ECFK5MSD		ECFK6		ECFK7	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X101		X101		X101		X102		X103	
SAMPLE TYPE:	Routine Sample		Matrix Spike		Matrix Spike Dup		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil		Soil		Soil		Soil		Soil	
DILUTION FACTOR:	10.0		10.0		10.0		10.0		1.0	
PERCENT MOISTURE:	15		15		15		62		20	
PES										
alpha-BHC	20	UJ	20	UJ	20	UJ	11	J	2.1	U
beta-BHC	20	U	20	U	20	U	45	U	2.1	U
delta-BHC	20	UJ	20	UJ	20	UJ	45	UJ	2.1	U
gamma-BHC (Lindane)	20	UJ	13	J	12	J	45	UJ	2.1	U
Heptachlor	20	U	18	J	18	J	45	U	2.1	U
Aldrin	20	U	16	J	15	J	45	U	2.1	U
Heptachlor epoxide	29	J	23	J	28	J	45	U	2.1	U
Endosulfan I	20	U	20	U	20	U	45	U	2.1	U
Dieldrin	39	U	28	J	26	J	87	U	4.1	U
4,4'-DDE	40	J	45	J	78	J	87	U	4.1	U
Endrin	39	U	37	J	35	J	87	U	4.1	U
Endosulfan II	39	U	39	U	39	U	87	U	4.1	U
4,4'-DDD	39	U	39	U	39	U	87	U	4.1	U
Endosulfan sulfate	39	U	39	U	39	U	87	U	4.1	U
4,4'-DDT	14	J	42		42		87	U	4.1	U
Methoxychlor	200	U	200	U	200	U	450	U	21	U
Endrin ketone	39	U	39	U	39	U	87	U	4.1	U
Endrin aldehyde	11	J	39	U	39	U	87	U	4.1	U
alpha-Chlordane	20	U	20	U	20	U	45	U	2.1	U
gamma-Chlordane	20	U	20	U	20	U	45	U	2.1	U
Toxaphene	2000	U	2000	U	2000	U	4500	U	210	U
Aroclor-1016	390	U	390	U	390	U	870	U	41	U
Aroclor-1221	790	U	790	U	790	U	1800	U	84	U
Aroclor-1232	390	U	390	U	390	U	870	U	41	U
Aroclor-1242	390	U	390	U	390	U	870	U	460	J
Aroclor-1248	390	U	390	U	390	U	1600	J	41	U
Aroclor-1254	390	U	390	U	390	U	1100		620	
Aroclor-1260	390	U	390	U	390	U	870	U	370	

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245 Site: STEEL CITY NATIONAL BANK
SDG No: ECFK5 Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFK8		ECFK8DL		ECFK9		ECFL0		ECFL1	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X104		X104		X105		X106		X107	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil		Soil		Soil		Soil		Soil	
DILUTION FACTOR:	10.0		25.0		10.0		1.0		1.0	
PERCENT MOISTURE:	23		23		24		19		25	
PES										
alpha-BHC	22	UJ	55	UJ	22	UJ	2.1	U	2.3	U
beta-BHC	22	U	55	U	22	U	2.1	U	2.3	U
delta-BHC	22	UJ	55	UJ	22	UJ	2.1	U	2.3	U
gamma-BHC (Lindane)	22	UJ	55	UJ	22	UJ	2.1	U	2.3	U
Heptachlor	22	U	55	U	22	U	2.1	U	2.3	U
Aldrin	22	U	55	U	22	U	2.1	U	2.3	U
Heptachlor epoxide	22	U	55	U	22	U	2.1	U	2.3	U
Endosulfan I	22	U	55	U	22	U	2.1	U	2.3	U
Dieldrin	43	U	110	U	43	U	4.1	U	4.4	U
4,4'-DDE	43	U	110	U	43	U	4.1	U	4.4	U
Endrin	43	U	110	U	43	U	4.1	U	4.4	U
Endosulfan II	43	U	110	U	43	U	4.1	U	4.4	U
4,4'-DDD	43	U	110	U	43	U	4.1	U	4.4	U
Endosulfan sulfate	43	U	110	U	43	U	4.1	U	4.4	U
4,4'-DDT	43	U	110	U	43	U	4.1	U	4.4	U
Methoxychlor	220	U	550	U	220	U	21	U	23	U
Endrin ketone	130	J	140		340	J	4.1	U	4.4	U
Endrin aldehyde	43	U	110	U	43	U	4.1	U	4.4	U
alpha-Chlordane	22	U	55	U	22	U	2.1	U	2.3	U
gamma-Chlordane	22	U	55	U	22	U	2.1	U	2.3	U
Toxaphene	2200	U	5500	U	2200	U	210	U	230	U
Aroclor-1016	430	U	1100	U	430	U	41	U	44	U
Aroclor-1221	870	U	2200	U	880	U	83	U	89	U
Aroclor-1232	430	U	1100	U	430	U	41	U	44	U
Aroclor-1242	430	U	1100	U	430	U	1600	J	1300	J
Aroclor-1248	430	U	1100	U	15000	J	41	U	44	U
Aroclor-1254	6000	J	4500	J	7000	J	490		740	
Aroclor-1260	430	U	1100	U	430	U	41	U	44	U

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL2		ECFL2DL		ECFL3		ECFL4		ECFL5	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X108		X108		X109		X110		X111	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil		Soil		Soil		Soil		Soil	
DILUTION FACTOR:	10.0		50.0		1.0		1.0		1.0	
PERCENT MOISTURE:	24		24		36		20		30	
PES										
alpha-BHC	22	UJ	110	UJ	2.7	U	2.1	U	2.4	U
beta-BHC	22	U	110	U	2.7	U	2.1	U	2.4	U
delta-BHC	22	UJ	110	UJ	2.7	U	2.1	U	2.4	U
gamma-BHC (Lindane)	22	UJ	110	UJ	2.7	U	2.1	U	2.4	U
Heptachlor	22	U	110	U	1.5	J	2.1	U	2.4	U
Aldrin	22	U	110	U	2.7	U	2.1	U	2.4	U
Heptachlor epoxide	22	U	110	U	2.7	U	2.1	U	2.4	U
Endosulfan I	22	U	110	U	2.7	U	2.1	U	2.4	U
Dieldrin	43	U	220	U	5.2	U	4.1	U	4.7	U
4,4'-DDE	43	U	220	U	0.46	J	4.1	U	4.7	U
Endrin	43	U	220	U	5.2	U	4.1	U	4.7	U
Endosulfan II	43	U	220	U	5.2	U	4.1	U	4.7	U
4,4'-DDD	43	U	220	U	5.2	U	4.1	U	4.7	U
Endosulfan sulfate	43	U	220	U	5.2	U	4.1	U	4.7	U
4,4'-DDT	43	U	220	U	5.2	U	4.1	U	4.7	U
Methoxychlor	220	U	1100	U	26	U	5.4	J	24	U
Endrin ketone	43	U	220	U	5.2	U	2.1	J	4.7	U
Endrin aldehyde	43	U	220	U	5.2	U	4.1	U	4.7	U
alpha-Chlordane	22	U	110	U	2.7	U	2.1	U	2.4	U
gamma-Chlordane	22	U	110	U	2.7	U	2.1	U	2.4	U
Toxaphene	2200	U	11000	U	260	U	210	U	240	U
Aroclor-1016	430	U	2200	U	52	U	41	U	47	U
Aroclor-1221	880	U	4400	U	100	U	84	U	96	U
Aroclor-1232	430	U	2200	U	52	U	41	U	47	U
Aroclor-1242	430	U	2200	U	52	U	41	U	820	J
Aroclor-1248	10000	J	12000	J	52	U	41	U	47	U
Aroclor-1254	12000		13000	J	52	U	68		160	J
Aroclor-1260	430	U	2200	U	52	U	41	U	47	U

FILE NAME: ECFK5 DATE: 07/21/98 TIME: 10:02 CADRE98

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFL6		ECFL7		ECFL8		ECFL8DL		ECFL9	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X112		X201		X202		X202		X203	
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Routine Sample		Routine Sample	
MATRIX/ANALYSIS:	Soil		Soil		Soil		Soil		Soil	
DILUTION FACTOR:	1.0		1.0		1.0		5.0		1.0	
PERCENT MOISTURE:	30		28		30		30		23	
PES										
alpha-BHC	2.4	U	2.4	UJ	2.4	UJ	12	UJ	2.2	U
beta-BHC	2.4	U	2.4	U	2.4	U	12	U	2.2	U
delta-BHC	2.4	U	2.4	UJ	2.4	UJ	12	UJ	2.2	U
gamma-BHC (Lindane)	2.4	U	2.4	UJ	2.4	UJ	12	UJ	2.2	U
Heptachlor	2.4	U	1.5	J	1.6	J	12	U	1.0	J
Aldrin	2.4	U	2.4	U	2.4	U	12	U	2.2	U
Heptachlor epoxide	2.4	U	2.4	U	1.4	J	12	U	2.2	U
Endosulfan I	2.4	U	2.4	U	2.4	U	12	U	2.2	U
Dieldrin	4.7	U	4.6	U	4.7	U	24	U	2.9	J
4,4'-DDE	4.7	U	4.6	U	9.2	J	7.9	J	4.3	U
Endrin	4.7	U	4.6	U	4.7	U	24	U	4.3	U
Endosulfan II	4.7	U	4.6	U	4.7	U	24	U	4.3	U
4,4'-DDD	4.7	U	6.8		120		100		7.8	
Endosulfan sulfate	4.7	U	4.6	U	4.7	U	24	U	4.3	U
4,4'-DDT	4.7	U	4.6	U	14		12	J	1.5	J
Methoxychlor	24	U	24	U	24	U	120	U	22	U
Endrin ketone	4.7	U	4.6	U	4.7	U	24	U	4.3	U
Endrin aldehyde	4.7	U	4.6	U	1.5	J	24	U	4.3	U
alpha-Chlordane	2.4	U	2.4	U	2.4	U	4.9	J	0.62	J
gamma-Chlordane	2.4	U	2.4	U	1.1	J	12	U	1.4	J
Toxaphene	240	U	240	U	240	U	1200	U	220	U
Aroclor-1016	47	U	46	U	47	U	240	U	43	U
Aroclor-1221	96	U	93	U	96	U	480	U	87	U
Aroclor-1232	47	U	46	U	47	U	240	U	43	U
Aroclor-1242	740	J	46	U	47	U	240	U	43	U
Aroclor-1248	47	U	46	U	47	U	240	U	43	U
Aroclor-1254	200	J	46	U	47	U	240	U	43	U
Aroclor-1260	47	U	46	U	47	U	240	U	43	U

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	ECFM0		ECFM1		ECFM2		PBLK5DY		PBLK5FA	
REGIONAL SAMPLE NUMBER:										
SAMPLE LOCATION:	X204		X205		X206					
SAMPLE TYPE:	Routine Sample		Routine Sample		Routine Sample		Method Blank		Method Blank	
MATRIX/ANALYSIS:	Soil		Soil		Soil		Soil		Soil	
DILUTION FACTOR:	1.0		1.0		1.0		1.0		1.0	
PERCENT MOISTURE:	21		32		29		0		0	
PES										
alpha-BHC	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	UJ
beta-BHC	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	U
delta-BHC	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	UJ
gamma-BHC (Lindane)	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	UJ
Heptachlor	2.2	UJ	1.4	J	2.4	U	1.7	U	0.57	J
Aldrin	2.2	UJ	0.73	J	2.4	U	1.7	U	1.7	U
Heptachlor epoxide	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	U
Endosulfan I	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	U
Dieldrin	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
4,4'-DDE	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
Endrin	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
Endosulfan II	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
4,4'-DDD	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
Endosulfan sulfate	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
4,4'-DDT	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
Methoxychlor	0.90	J	25	U	3.8	J	17	U	17	U
Endrin ketone	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
Endrin aldehyde	4.2	UJ	4.8	U	4.6	U	3.3	U	3.3	U
alpha-Chlordane	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	U
gamma-Chlordane	2.2	UJ	2.5	U	2.4	U	1.7	U	1.7	U
Toxaphene	220	UJ	250	U	240	U	170	U	170	U
Aroclor-1016	42	UJ	48	U	46	U	33	U	33	U
Aroclor-1221	85	UJ	98	U	94	U	67	U	67	U
Aroclor-1232	42	UJ	48	U	46	U	33	U	33	U
Aroclor-1242	42	UJ	48	U	46	U	33	U	33	U
Aroclor-1248	42	UJ	48	U	46	U	33	U	33	U
Aroclor-1254	42	UJ	48	U	41	J	33	U	33	U
Aroclor-1260	42	UJ	48	U	46	U	33	U	33	U

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

TCL QUALIFIED SPREADSHEET

Case No: 26245
SDG No: ECFK5

Site: STEEL CITY NATIONAL BANK
Laboratory: ATAS, INC

EPA SAMPLE NUMBER:	PBLK5FD				
REGIONAL SAMPLE NUMBER:					
SAMPLE LOCATION:	--				
SAMPLE TYPE:	Method Blank				
MATRIX/ANALYSIS:	Soil				
DILUTION FACTOR:	1.0				
PERCENT MOISTURE:	0				
PES					
alpha-BHC	1.7 UJ				
beta-BHC	1.7 U				
delta-BHC	1.7 UJ				
gamma-BHC (Lindane)	1.7 UJ				
Heptachlor	1.7 U				
Aldrin	1.7 U				
Heptachlor epoxide	1.7 U				
Endosulfan I	1.7 U				
Dieldrin	3.3 U				
4,4'-DDE	3.3 U				
Endrin	3.3 U				
Endosulfan II	3.3 U				
4,4'-DDD	3.3 U				
Endosulfan sulfate	3.3 U				
4,4'-DDT	3.3 U				
Methoxychlor	17 U				
Endrin ketone	3.3 U				
Endrin aldehyde	3.3 U				
alpha-Chlordane	1.7 U				
gamma-Chlordane	1.7 U				
Toxaphene	170 U				
Aroclor-1016	33 U				
Aroclor-1221	67 U				
Aroclor-1232	33 U				
Aroclor-1242	33 U				
Aroclor-1248	33 U				
Aroclor-1254	33 U				
Aroclor-1260	33 U				

Water units are reported in ug/L.
Soil units are reported in ug/Kg.

Volatile Analysis Data - ECFK5
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS UMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.52	16.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 1

Volatile Analysis Data - ECFK7
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	9.08	11.000	J
110-54-3	HEXANE	9.49	12.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 2

Volatile Analysis Data - ECFK9
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
0-54-3	HEXANE	9.53	36.000	NJ
	UNKNOWN	10.44	12.000	J

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 3

Volatile Analysis Data - ECFL2
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.53	100.000	NJ
	UNKNOWN	10.44	27.000	J

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 4

Volatile Analysis Data - ECFL3
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.47	24.000	NJ

'LE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 5

Volatile Analysis Data - ECFL4
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.49	21.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 6

Volatile Analysis Data - ECFL5
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.49	24.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 7

Volatile Analysis Data - ECFL6
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.51	27.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 8

Volatile Analysis Data - ECFL7
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
75-05-8	ACETONITRILE	8.47	11.000	NJ
110-54-3	HEXANE	9.52	24.000	NJ
50876-32-9	CYCLOHEXANE, 1,1,3,5-TETRAMETH	17.03	9.000	NJ
	UNKNOWN	17.37	10.000	J
	UNKNOWN	17.50	24.000	J
	UNKNOWN	18.13	9.000	J
	UNKNOWN	18.29	20.000	J
	UNKNOWN	18.42	26.000	J
	UNKNOWN	18.66	50.000	J
	UNKNOWN	18.90	68.000	J
	UNKNOWN	19.49	110.000	J
	UNKNOWN	19.78	71.000	J
	UNKNOWN	20.94	110.000	J

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 9

Volatile Analysis Data - ECFL9
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.51	20.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 10

Volatile Analysis Data - ECFM0
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	8.47	8.000	J
110-54-3	HEXANE	9.54	23.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 11

Volatile Analysis Data - ECFM1
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.50	25.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 12

Volatile Analysis Data - ECFM2
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	7.49	20.000	J
	UNKNOWN	8.47	11.000	J
110-54-3	HEXANE	9.50	18.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 13

Volatile Analysis Data - ECFK7RE
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
75-05-8	ACETONITRILE	8.43	23.000	NJ
110-54-3	HEXANE	9.50	13.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 14

Volatile Analysis Data - ECFK8
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.52	26.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 15

Volatile Analysis Data - ECFK9RE
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.51	37.000	NJ
	UNKNOWN	10.40	7.000	J

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 16

Volatile Analysis Data - ECFL0
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.52	26.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 17

Volatile Analysis Data - ECFL1
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.52	25.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 18

Volatile Analysis Data - ECFL2DL
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5
LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
110-54-3	HEXANE	9.51	140.000	NJD

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 19

Volatile Analysis Data - ECFK6
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
75-05-8	ACETONITRILE	8.40	42.000	NJ
110-54-3	HEXANE	9.50	27.000	NJ
	UNKNOWN	21.35	46.000	J
	UNKNOWN	22.47	56.000	J

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 20

Volatile Analysis Data - ECFL5RE
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
142-82-5	HEPTANE	12.11	9.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 21

Volatile Analysis Data - ECFL6RE
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
[illegible]-54-3	HEXANE	9.55	12.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 22

Volatile Analysis Data - ECFMORE
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
75-05-8	ACETONITRILE	8.53	12.000	NJ
110-54-3	HEXANE	9.56	16.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 23

Volatile Analysis Data - VHBLKDT
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
1066-40-6	SILANOL, TRIMETHYL-	10.54	8.000	NJ

.E NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 24

Semivolatile Analysis Data - SBLKBO
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.38	440.000	J
	UNKNOWN	5.50	97.000	J
	UNKNOWN	18.19	390.000	J

Semivolatile Analysis Data - ECFK5DL
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.21	1000.000	JD
1487-49-6	BUTANOIC ACID, 3-HYDROXY-, MET	6.40	900.000	NJD
613-12-7	ANTHRACENE, 2-METHYL-	13.62	830.000	NJD
203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRENE	13.77	980.000	NJD
2381-21-7	PYRENE, 1-METHYL-	15.37	610.000	NJD
238-84-6	11H-BENZO[A]FLUORENE	15.54	1200.000	NJD
243-17-4	11H-BENZO[B]FLUORENE	15.65	820.000	NJD
2381-21-7	PYRENE, 1-METHYL-	15.71	860.000	NJD
3442-78-2	PYRENE, 2-METHYL-	15.90	640.000	NJD
84-15-1	O-TERPHENYL	16.21	400.000	NJD
82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	16.34	490.000	NJD
239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPHEN	16.50	800.000	NJD
203-12-3	BENZO[GHI]FLUORANTHENE	16.60	1800.000	NJD
	UNKNOWN	17.07	1100.000	JD
	UNKNOWN	17.24	690.000	JD
3351-32-4	2-METHYLCHRYSENE	17.49	1200.000	NJD
1705-85-7	CHRYSENE, 6-METHYL-	17.56	540.000	NJD
	UNKNOWN	17.71	830.000	JD
	UNKNOWN	18.71	400.000	JD
192-97-2	BENZO[E]PYRENE	18.84	2700.000	NJD
214-17-5	BENZO[B]CHRYSENE	21.01	1100.000	NJD

Semivolatile Analysis Data - ECFL5
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.81	120.000	J
	UNKNOWN	6.32	530.000	JM
25323-68-6	1,1'-BIPHENYL, TRICHLORO-	13.27	120.000	NJ
57-10-3	HEXADECANOIC ACID	13.51	130.000	NJ
629-96-9	1-EICOSANOL	16.48	340.000	NJ
10546-70-0	BENZAMIDE, N-PROPYL-	16.57	120.000	NJ
7683-64-9	SQUALENE	18.06	190.000	NJ
85-69-8	1,2-BENZENEDICARBOXYLIC ACID,	18.56	260.000	NJ
25724-58-7	1,2-BENZENEDICARBOXYLIC ACID,	19.48	140.000	NJ

Semivolatile Analysis Data - ECFM0
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.13	990.000	JB
	UNKNOWN	6.31	1000.000	JM
	UNKNOWN	8.36	150.000	J
	UNKNOWN	9.13	100.000	J
	UNKNOWN	10.81	150.000	J
	UNKNOWN	12.17	270.000	J
57-10-3	HEXADECANOIC ACID	13.52	270.000	NJ
18108-56-0	AZEPINO[3,2,1-HI]INDOLE, 8-ETH	14.59	150.000	NJ
	UNKNOWN	14.67	180.000	J
27519-02-4	9-TRICOSENE, (Z)-	16.48	620.000	NJ
7683-64-9	SQUALENE	18.05	180.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 28

Semivolatile Analysis Data - SBLKBS
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.13	150.000	J
	UNKNOWN	5.26	160.000	J
36237-66-8	6,10,14-HEXADECATRIEN-1-OL, 3,	18.04	93.000	NJ
10152-69-9	CYCLOPROPANENONANOIC ACID, 2-[	18.55	100.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 29

Semivolatile Analysis Data - SBLKBA
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.12	400.000	J
	UNKNOWN	5.25	72.000	J
111-46-6	ETHANOL, 2,2'-OXYBIS-	5.33	230.000	NJ
	UNKNOWN	7.26	70.000	J
112-27-6	TRIETHYLENE GLYCOL	8.11	2200.000	NJ
112-60-7	ETHANOL, 2,2'-[OXYBIS(2,1-ETHA	10.47	2600.000	NJ
	UNKNOWN	12.51	1700.000	J
57-10-3	HEXADECANOIC ACID	13.51	120.000	NJ
112-35-6	ETHANOL, 2-[2-(2-METHOXYETHOXY	14.28	1100.000	NJ
	UNKNOWN	15.86	250.000	J
7683-64-9	SQUALENE	18.05	240.000	NJ

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 30

Semivolatile Analysis Data - ECFL2DL
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.31	1100.000	JMD
35693-92-6	1,1'-BIPHENYL, 2,4,6-TRICHLORO	12.91	460.000	NJD
16606-02-3	1,1'-BIPHENYL, 2,4',5-TRICHLOR	13.26	730.000	NJD
38444-81-4	1,1'-BIPHENYL, 2,3',5-TRICHLOR	13.50	530.000	NJD
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	13.69	800.000	NJD
41464-41-9	1,1'-BIPHENYL, 2,2',5,6-TETRAC	13.97	890.000	NJD
41464-42-0	1,1'-BIPHENYL, 2,3',5,5'-TETRA	14.13	520.000	NJD
32598-13-3	1,1'-BIPHENYL, 3,3',4,4'-TETRA	14.51	470.000	NJD
37680-73-2	1,1'-BIPHENYL, 2,2',4,5,5'-PEN	14.77	420.000	NJD
70424-70-3	1,1'-BIPHENYL, 2',3,4,5,5'-PEN	15.24	410.000	NJD
52712-04-6	1,1'-BIPHENYL, 2,2',3,4,5,5'-H	15.52	370.000	NJD
27208-37-3	CYCLOPENTA[CD]PYRENE	16.47	4900.000	NJD
	UNKNOWN	16.89	1200.000	JD
	UNKNOWN	17.19	2800.000	JD
	UNKNOWN	17.93	1000.000	JD
	UNKNOWN	18.23	490.000	JD
	UNKNOWN	18.78	2900.000	JD
	UNKNOWN	19.65	2500.000	JD
	UNKNOWN	20.15	1700.000	JD
	UNKNOWN	20.36	420.000	JD
	UNKNOWN	20.45	2700.000	JD
56053-17-9	CURAN, 16,17,19,20-TETRADEHYDR	20.90	2000.000	NJD
192-65-4	NAPHTHO[1,2,3,4-DEF]CHRYSENE	23.72	1100.000	NJD

Semivolatile Analysis Data - ECFL9
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.13	680.000	J
	UNKNOWN	5.25	180.000	J
	UNKNOWN	5.84	210.000	J
	UNKNOWN	6.31	590.000	J
65-85-0	BENZOIC ACID	7.43	100.000	NJ
	UNKNOWN	8.09	99.000	J
	UNKNOWN	8.47	170.000	J
57-10-3	HEXADECANOIC ACID	13.50	150.000	NJ
243-17-4	11H-BENZO[B]FLUORENE	15.42	110.000	NJ
	UNKNOWN	18.70	150.000	JM
	UNKNOWN	20.76	390.000	J

Semivolatile Analysis Data - ECFM2
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.14	640.000	J
	UNKNOWN	5.25	180.000	J
28634-89-1	BICYCLO[3.1.0]HEX-2-ENE, 4-MET	5.47	420.000	MNJ
	UNKNOWN	5.83	200.000	J
	UNKNOWN	6.32	950.000	JM
65-85-0	BENZOIC ACID	7.44	130.000	NJ
	UNKNOWN	8.09	110.000	J
4459-57-8	OXACYCLOHEXADECAN-2-ONE, 16-ME	13.41	300.000	NJ
57-10-3	HEXADECANOIC ACID	13.51	410.000	NJ
112-80-1	OLEIC ACID	14.59	250.000	NJ
57-11-4	OCTADECANOIC ACID	14.69	100.000	NJ
	UNKNOWN	15.58	210.000	J
112-88-9	1-OCTADECENE	16.45	520.000	NJ
	UNKNOWN	18.05	140.000	J
7683-64-9	SQUALENE	19.07	130.000	NJ
57-88-5	CHOLESTEROL	19.85	150.000	NJ
	UNKNOWN	20.56	170.000	J
14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METHOX	20.76	1600.000	NJ
	UNKNOWN	20.96	450.000	J
83-47-6	.GAMMA.-SITOSTEROL	21.21	570.000	NJ
	UNKNOWN	21.42	96.000	J
	UNKNOWN	21.76	180.000	J
	UNKNOWN	23.59	480.000	J

Semivolatile Analysis Data - SBLKFK
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.61	340.000	J
301-02-0	9-OCTADECENAMIDE, (Z)-	19.53	210.000	NJ

Semivolatile Analysis Data - ECFK5
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.44	800.000	J
	UNKNOWN	7.08	1100.000	J
	UNKNOWN	7.34	130.000	J
	UNKNOWN	7.64	710.000	J
57-10-3	HEXADECANOIC ACID	14.69	270.000	NJ
203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRENE	15.19	340.000	NJ
84-65-1	9,10-ANTHRACENEDIONE	15.47	150.000	NJ
243-17-4	11H-BENZO[B]FLUORENE	16.72	160.000	NJ
238-84-6	11H-BENZO[A]FLUORENE	16.90	380.000	NJ
	UNKNOWN	16.99	390.000	J
2381-21-7	PYRENE, 1-METHYL-	17.08	220.000	NJ
3442-78-2	PYRENE, 2-METHYL-	17.22	210.000	NJ
	UNKNOWN	17.52	180.000	J
82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	17.71	180.000	NJ
239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPHEN	17.92	160.000	NJ
	UNKNOWN	18.63	250.000	J
3697-24-3	CHRYSENE, 5-METHYL-	19.16	250.000	NJ
629-96-9	1-EICOSANOL	20.25	250.000	NJ
198-55-0	PERYLENE	21.21	200.000	NJ
192-97-2	BENZO[E]PYRENE	21.76	570.000	NJ
205-82-3	BENZO[J]FLUORANTHENE	22.17	270.000	NJ

Semivolatile Analysis Data - ECFK6
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	7.06	1200.000	JM
	UNKNOWN	7.65	1200.000	J
	UNKNOWN	13.33	1100.000	J
	UNKNOWN	14.40	1400.000	J
	UNKNOWN	14.64	4900.000	J
57-10-3	HEXADECANOIC ACID	14.72	6100.000	NJ
	UNKNOWN	14.83	1200.000	J
610-48-0	ANTHRACENE, 1-METHYL-	15.04	1300.000	NJ
	UNKNOWN	15.29	4000.000	J
	UNKNOWN	15.37	5900.000	J
	UNKNOWN	15.67	4500.000	J
	UNKNOWN	16.38	3000.000	J
	UNKNOWN	17.53	7000.000	J
6006-01-5	3,7,11-TRIDECATRIENENITRILE, 4	19.83	1200.000	J
18835-33-1	1-HEXACOSENE	19.97	3700.000	NJ
3234-85-3	TETRADECANOIC ACID, TETRADECYL	20.84	4100.000	NJ
	UNKNOWN	21.85	4400.000	J
	UNKNOWN	22.36	1200.000	J
18435-45-5	1-NONADECENE	23.04	2000.000	NJ
	UNKNOWN	23.87	1300.000	J
57-88-5	CHOLESTEROL	24.23	1500.000	NJ
	UNKNOWN	24.42	1200.000	J
	UNKNOWN	25.10	1800.000	J
83-47-6	.GAMMA.-SITOSTEROL	27.59	2600.000	NJ

Semivolatile Analysis Data - ECFL6
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.41	320.000	J
	UNKNOWN	6.67	120.000	JB
	UNKNOWN	7.01	570.000	J
	UNKNOWN	7.28	280.000	J
	UNKNOWN	7.54	110.000	J
	UNKNOWN	8.67	140.000	J
	UNKNOWN	9.95	160.000	J
55702-46-0	1,1'-BIPHENYL, 2,3,4-TRICHLORO	14.64	110.000	NJ
	UNKNOWN	17.51	100.000	J

Semivolatile Analysis Data - ECFL7
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	7.01	860.000	J
	UNKNOWN	7.55	820.000	J
	UNKNOWN	8.06	590.000	J
	UNKNOWN	8.15	810.000	J
19780-12-2	5-DODECYNE	8.66	470.000	NJ
	UNKNOWN	8.86	580.000	J
	UNKNOWN	9.00	910.000	J
2294-72-6	5-UNDECYNE	9.09	690.000	NJ
	UNKNOWN	9.23	1500.000	J
[illegible]7-95-1	2(1H)-NAPHTHALENONE, OCTAHYDRO	9.45	660.000	NJ
	UNKNOWN	9.66	1000.000	J
	UNKNOWN	9.78	1400.000	J
	UNKNOWN	9.89	1200.000	J
	UNKNOWN	10.05	1000.000	J
	UNKNOWN	10.38	1000.000	J
	UNKNOWN	10.46	490.000	J
	UNKNOWN	10.55	580.000	J
	UNKNOWN	10.74	460.000	J
	UNKNOWN	10.96	990.000	J
	UNKNOWN	11.87	520.000	J
	UNKNOWN	12.35	640.000	J
	UNKNOWN	12.98	600.000	J
	UNKNOWN	13.45	750.000	J
	UNKNOWN	13.62	860.000	J
	UNKNOWN	13.72	470.000	J
	UNKNOWN	14.51	480.000	J
	UNKNOWN	26.32	1300.000	J

Semivolatile Analysis Data - ECFL8
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.40	280.000	J
	UNKNOWN	6.67	180.000	JB
	UNKNOWN	7.02	760.000	J
	UNKNOWN	7.28	240.000	J
	UNKNOWN	7.56	950.000	J
	UNKNOWN	7.88	150.000	J
	UNKNOWN	8.18	150.000	NJJ
	UNKNOWN	8.44	140.000	J
	UNKNOWN	9.71	170.000	J
	UNKNOWN	10.46	150.000	J
	UNKNOWN	10.78	100.000	J
	UNKNOWN	11.08	300.000	J
	UNKNOWN	11.21	170.000	J
581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	11.39	150.000	NJ
	UNKNOWN	12.87	150.000	J
	UNKNOWN	14.25	110.000	J
57-10-3	HEXADECANOIC ACID	14.63	200.000	NJ
	UNKNOWN	24.85	290.000	J
4630-07-3	NAPHTHALENE, 1,2,3,5,6,7,8,8A-	26.32	750.000	NJ
	UNKNOWN	27.29	670.000	J

Semivolatile Analysis Data - ECFM1
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	7.01	300.000	J
	UNKNOWN	7.29	120.000	J
	UNKNOWN	8.67	200.000	J
	UNKNOWN	9.96	210.000	J
112-60-7	ETHANOL, 2,2'-[OXYBIS(2,1-ETHA	11.77	240.000	NJ
	UNKNOWN	13.75	160.000	J

Semivolatile Analysis Data - ECFL3
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.45	1000.000	J
	UNKNOWN	6.90	250.000	J
	UNKNOWN	7.43	110.000	J
7705-14-8	CYCLOHEXENE, 1-METHYL-4-(1-MET	7.47	170.000	NJ
	UNKNOWN	8.56	170.000	J
	UNKNOWN	9.83	180.000	J
	UNKNOWN	10.82	120.000	J
	UNKNOWN	17.37	130.000	J
	UNKNOWN	17.64	2200.000	J
	UNKNOWN	19.24	450.000	J

Semivolatile Analysis Data - ECFL4
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.45	670.000	J
	UNKNOWN	6.90	240.000	J
	UNKNOWN	7.47	200.000	J
	UNKNOWN	8.55	180.000	J
	UNKNOWN	9.83	170.000	J
	UNKNOWN	13.57	96.000	J
	UNKNOWN	17.37	180.000	J

Semivolatile Analysis Data - ECFK6DL
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.45	2700.000	JD
57-10-3	HEXADECANOIC ACID	14.53	2600.000	NJD
	UNKNOWN	15.11	3300.000	JD
	UNKNOWN	15.19	5700.000	JD
	UNKNOWN	15.49	4400.000	JD
	UNKNOWN	15.67	7300.000	JD
	UNKNOWN	16.59	5500.000	JD
	UNKNOWN	16.86	9900.000	JD
	UNKNOWN	17.33	18000.000	JD
	UNKNOWN	19.64	8700.000	JD
	UNKNOWN	20.04	2900.000	JD
	UNKNOWN	20.46	9500.000	JD
	UNKNOWN	21.41	4800.000	JD
	UNKNOWN	21.86	3000.000	JD
	UNKNOWN	22.53	5800.000	JD
	UNKNOWN	23.29	3600.000	JD
	UNKNOWN	23.62	4900.000	JD
	UNKNOWN	23.82	3400.000	JD
	UNKNOWN	24.44	5800.000	JD
	UNKNOWN	25.74	3700.000	JD
	UNKNOWN	25.98	2800.000	JD
	UNKNOWN	26.78	9800.000	JD

Semivolatile Analysis Data - ECFK8
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.30	570.000	J
	UNKNOWN	6.45	1400.000	J
	UNKNOWN	6.90	1700.000	J
115-96-8	TRI(2-CHLOROETHYL) PHOSPHATE	13.48	760.000	NJ
55702-46-0	1,1'-BIPHENYL, 2,3,4-TRICHLORO	14.51	2600.000	NJ
35693-92-6	1,1'-BIPHENYL, 2,4,6-TRICHLORO	14.76	990.000	NJ
33284-54-7	1,1'-BIPHENYL, 2,3,5,6-TETRACH	14.91	1000.000	NJ
	UNKNOWN	14.97	810.000	J
	UNKNOWN	15.20	1600.000	J
55702-45-9	1,1'-BIPHENYL, 2,3,6-TRICHLORO	15.27	2100.000	NJ
	UNKNOWN	15.36	1100.000	J
	UNKNOWN	15.48	940.000	J
32598-11-1	1,1'-BIPHENYL, 2,3',4',5-TETRA	15.66	2600.000	NJ
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	15.72	1900.000	NJ
	UNKNOWN	15.93	1400.000	J
	UNKNOWN	16.04	1400.000	J
	UNKNOWN	16.18	500.000	J
	UNKNOWN	16.54	560.000	J
243-17-4	11H-BENZO[B]FLUORENE	16.71	1200.000	NJ
	UNKNOWN	17.05	1700.000	J
192-97-2	BENZO[E]PYRENE	21.33	4200.000	NJ
	UNKNOWN	23.28	1400.000	J
	UNKNOWN	24.45	1700.000	J

Semivolatile Analysis Data - ECFK9
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.45	840.000	J
	UNKNOWN	6.90	940.000	J
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.52	1700.000	NJ
32598-13-3	1,1'-BIPHENYL, 3,3',4,4'-TETRA	14.91	1500.000	NJ
38444-93-8	1,1'-BIPHENYL, 2,2',3,3'-TETRA	14.98	1100.000	NJ
32598-11-1	1,1'-BIPHENYL, 2,3',4',5-TETRA	15.20	3400.000	NJ
	UNKNOWN	15.30	870.000	J
41464-49-7	1,1'-BIPHENYL, 2,3,3',5'-TETRA	15.36	1400.000	NJ
	UNKNOWN	15.49	1700.000	J
	UNKNOWN	15.65	1400.000	J
33284-52-5	1,1'-BIPHENYL, 3,3',5,5'-TETRA	15.72	2800.000	NJ
41464-46-4	1,1'-BIPHENYL, 2,3',4',6-TETRA	15.96	2000.000	NJ
	UNKNOWN	16.19	3200.000	J
32598-14-4	1,1'-BIPHENYL, 2,3,3',4,4'-PEN	16.43	3200.000	NJ
70424-70-3	1,1'-BIPHENYL, 2',3,4,5,5'-PEN	16.70	4200.000	NJ
	UNKNOWN	17.04	4500.000	J
	UNKNOWN	17.51	5200.000	J
	UNKNOWN	20.35	1000.000	J
	UNKNOWN	20.52	2300.000	J
192-97-2	BENZO[E]PYRENE	21.34	2700.000	NJ
	UNKNOWN	23.28	1200.000	J
	UNKNOWN	24.44	2000.000	J
	UNKNOWN	25.22	1700.000	J

Semivolatile Analysis Data - ECFK9RE
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.45	800.000	J
	UNKNOWN	6.90	780.000	J
	UNKNOWN	13.59	1100.000	J
37680-65-2	1,1'-BIPHENYL, 2,2',5-TRICHLOR	13.91	790.000	NJ
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.52	2000.000	NJ
	UNKNOWN	14.82	950.000	J
	UNKNOWN	14.91	2000.000	J
	UNKNOWN	14.98	1200.000	J
	UNKNOWN	15.19	3100.000	J
	UNKNOWN	15.29	2700.000	J
	UNKNOWN	15.37	1200.000	J
	UNKNOWN	15.48	1400.000	J
33284-53-6	1,1'-BIPHENYL, 2,3,4,5-TETRACH	15.65	2600.000	NJ
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	15.71	3100.000	NJ
32598-12-2	1,1'-BIPHENYL, 2,4,4',6-TETRAC	15.96	2500.000	NJ
	UNKNOWN	16.17	2300.000	J
32598-14-4	1,1'-BIPHENYL, 2,3,3',4,4'-PEN	16.43	2400.000	NJ
	UNKNOWN	16.54	1900.000	J
	UNKNOWN	16.71	2500.000	J
	UNKNOWN	16.93	1500.000	J
192-97-2	BENZO[E]PYRENE	21.34	2900.000	NJM
	UNKNOWN	21.50	4900.000	J
	UNKNOWN	23.28	1600.000	J
	UNKNOWN	25.21	1800.000	J

Semivolatile Analysis Data - ECFL8RE
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.23	120.000	J
	UNKNOWN	6.28	190.000	J
	UNKNOWN	6.45	1100.000	J
	UNKNOWN	6.90	670.000	J
	UNKNOWN	7.15	200.000	J
	UNKNOWN	7.45	690.000	J
	UNKNOWN	7.76	100.000	J
	UNKNOWN	8.33	180.000	J
	UNKNOWN	9.60	150.000	J
	UNKNOWN	10.34	150.000	J
	UNKNOWN	10.95	340.000	J
	UNKNOWN	11.09	210.000	J
581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	11.26	140.000	NJ
112-27-6	TRIETHYLENE GLYCOL	11.64	100.000	NJ
2489-86-3	NAPHTHALENE, 1-(2-PROPENYL)-	12.74	97.000	NJ
	UNKNOWN	14.51	200.000	J
	UNKNOWN	24.43	240.000	J
	UNKNOWN	25.85	780.000	J
	UNKNOWN	26.28	380.000	J
	UNKNOWN	26.75	700.000	J
	UNKNOWN	27.64	240.000	J

Semivolatile Analysis Data - ECFK7
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.22	1000.000	J
	UNKNOWN	6.38	610.000	J
	UNKNOWN	6.58	170.000	JB
	UNKNOWN	6.84	1300.000	J
	UNKNOWQN	7.10	280.000	J
	UNKNOWN	7.40	280.000	J
	UNKNOWN	8.92	86.000	J
	UNKNOWN	10.46	160.000	J
	UNKNOWN	10.59	210.000	J
	UNKNOWN	10.74	170.000	J
	UNKNOWN	12.23	97.000	J
	UNKNOWN	13.52	1600.000	J
	UNKNOWN	13.74	310.000	J
	UNKNOWN	14.15	140.000	J
55712-37-3	1,1'-BIPHENYL, 2,3',4-TRICHLOR	14.45	450.000	NJ
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	14.91	120.000	NJ
	UNKNOWN	15.15	1600.000	J
35693-99-3	1,1'-BIPHENYL, 2,2',5,5'-TETRA	15.58	220.000	NJ
	UNKNOWN	16.97	2300.000	J
	UNKNOWN	23.06	170.000	J
	UNKNOWN	24.18	410.000	J

Semivolatile Analysis Data - ECFL3RE
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.38	850.000	J
	UNKNOWN	6.49	150.000	J
	UNKNOWN	6.83	110.000	J
	UNKNOWN	7.08	120.000	J
138-86-3	LIMONENE	7.39	170.000	NJ
	UNKNOWN	8.26	220.000	J
	UNKNOWN	8.49	190.000	J
	UNKNOWN	9.76	180.000	J
	UNKNOWN	10.47	130.000	J
	UNKNOWN	10.58	140.000	J
	UNKNOWN	10.74	260.000	J
	UNKNOWN	17.28	300.000	J
	UNKNOWN	17.60	300.000	J
	UNKNOWN	17.69	480.000	J

Semivolatile Analysis Data - ECFL4RE
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.37	480.000	J
	UNKNOWN	6.49	110.000	J
	UNKNOWN	6.83	92.000	J
	UNKNOWN	7.08	98.000	J
138-86-3	LIMONENE	7.39	120.000	NJ
	UNKNOWN	8.26	200.000	J
	UNKNOWN	8.49	150.000	J
	UNKNOWN	9.76	150.000	J
	UNKNOWN	10.74	130.000	J
	UNKNOWN	11.57	87.000	J
	UNKNOWN	13.51	120.000	J
	UNKNOWN	14.43	98.000	J
	UNKNOWN	17.29	300.000	J

Semivolatile Analysis Data - ECFK7RE
Tentatively Identified Compounds

CASE NO: 26245
SDG NO: ECFK5

LABORATORY: ATAS, INC

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.22	1200.000	J
	UNKNOWN	6.39	620.000	J
	UNKNOWN	6.58	150.000	JB
	UNKNOWN	6.84	1200.000	J
	UNKNOWN	7.10	290.000	J
	UNKNOWN	7.40	230.000	J
	UNKNOWN	8.92	87.000	J
	UNKNOWN	10.46	88.000	J
	UNKNOWN	10.59	120.000	J
	UNKNOWN	10.74	120.000	J
	UNKNOWN	12.83	480.000	J
	UNKNOWN	13.52	530.000	J
	UNKNOWN	13.74	230.000	J
	UNKNOWN	14.15	610.000	J
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.45	460.000	NJ
	UNKNOWN	15.15	1600.000	J
	UNKNOWN	15.97	410.000	J
	UNKNOWN	23.06	280.000	J
	UNKNOWN	24.19	340.000	J
	UNKNOWN	25.43	230.000	J

Semivolatile Analysis Data - ECFLO
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.22	480.000	J
	UNKNOWN	6.38	740.000	J
	UNKNOWN	6.84	910.000	J
	UNKNOWN	7.10	340.000	J
16606-02-3	1,1'-BIPHENYL, 2,4',5-TRICHLOR	13.83	560.000	NJ
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.44	680.000	NJ
38444-73-4	1,1'-BIPHENYL, 2,2',6-TRICHLOR	14.56	390.000	NJ
32598-11-1	1,1'-BIPHENYL, 2,3',4',5-TETRA	14.83	420.000	NJ
	UNKNOWN	14.90	440.000	J
	UNKNOWN	15.01	580.000	J
	UNKNOWN	15.23	450.000	J
	UNKNOWN	15.57	470.000	J
	UNKNOWN	15.62	940.000	J
	UNKNOWN	16.10	580.000	J
0-00-0	ACETAMIDE, N-METHYL-N-[4-[4-ME	16.46	700.000	NJ
	UNKNOWN	16.64	1100.000	J
52078-56-5	11-TRICOSENE	16.78	770.000	NJ
	UNKNOWN	16.85	440.000	J
0-00-0	ACETAMIDE, N-METHYL-N-[4-[4-ME	16.95	1000.000	NJ
13360-61-7	1-PENTADECENE	17.15	580.000	NJ
	UNKNOWN	18.34	480.000	J

Semivolatile Analysis Data - ECFLORE
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.22	420.000	J
	UNKNOWN	6.38	750.000	J
	UNKNOWN	6.83	800.000	J
37680-65-2	1,1'-BIPHENYL, 2,2',5-TRICHLOR	13.83	530.000	NJ
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.43	680.000	NJ
	UNKNOWN	14.89	520.000	J
	UNKNOWN	15.02	540.000	J
33284-54-7	1,1'-BIPHENYL, 2,3,5,6-TETRACH	15.12	700.000	NJ
	UNKNOWN	15.28	410.000	J
	UNKNOWN	15.40	860.000	J
	UNKNOWN	15.57	530.000	J
	UNKNOWN	15.62	930.000	J
	UNKNOWN	15.76	1300.000	J
	UNKNOWN	16.10	1400.000	J
0-00-0	ACETAMIDE, N-METHYL-N-[4-[4-ME	16.47	3100.000	NJ
	UNKNOWN	16.64	2300.000	J
	UNKNOWN	16.78	1800.000	J
	UNKNOWN	16.91	760.000	J
74685-29-3	9-EICOSENE, (E)-	16.97	3900.000	NJ
	UNKNOWN	17.14	1800.000	J
	UNKNOWN	18.24	580.000	J
	UNKNOWN	18.34	760.000	J
	UNKNOWN	19.18	450.000	J

Semivolatile Analysis Data - ECFL1
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.22	500.000	J
	UNKNOWN	6.38	1000.000	J
	UNKNOWN	6.83	950.000	J
	UNKNOWN	7.11	390.000	J
	UNKNOWN	8.26	320.000	J
16606-02-3	1,1'-BIPHENYL, 2,4',5-TRICHLOR	13.83	390.000	NJ
	UNKNOWN	14.07	390.000	J
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.43	700.000	NJ
55702-46-0	1,1'-BIPHENYL, 2,3,4-TRICHLORO	14.57	320.000	NJ
32598-12-2	1,1'-BIPHENYL, 2,4,4',6-TETRAC	14.83	360.000	NJ
	UNKNOWN	15.12	770.000	J
	UNKNOWN	15.40	480.000	J
41464-49-7	1,1'-BIPHENYL, 2,3,3',5'-TETRA	15.58	470.000	NJ
	UNKNOWN	15.64	590.000	J
	UNKNOWN	15.76	890.000	J
	UNKNOWN	16.11	620.000	J
	UNKNOWN	16.38	520.000	J
	UNKNOWN	16.47	450.000	J
2777-58-4	6-OCTADECENOIC ACID, METHYL ES	16.65	960.000	NJ
	UNKNOWN	17.14	540.000	J
	UNKNOWN	17.96	240.000	J
	UNKNOWN	21.72	260.000	J
	UNKNOWN	24.20	330.000	J

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 54

Semivolatile Analysis Data - ECFL1RE
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.22	560.000	J
	UNKNOWN	6.38	1000.000	J
	UNKNOWN	6.84	1100.000	J
	UNKNOWN	7.10	390.000	J
	UNKNOWN	7.40	300.000	J
38444-73-4	1,1'-BIPHENYL, 2,2',6-TRICHLOR	13.83	440.000	NJ
	UNKNOWN	14.06	420.000	J
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.41	680.000	NJ
32598-13-3	1,1'-BIPHENYL, 3,3',4,4'-TETRA	14.83	390.000	NJ
32598-11-1	1,1'-BIPHENYL, 2,3',4',5-TETRA	15.11	750.000	NJ
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	15.28	390.000	NJ
	UNKNOWN	15.41	880.000	J
	UNKNOWN	15.57	720.000	J
	UNKNOWN	15.77	1200.000	J
0-00-0	ACETAMIDE, N-METHYL-N-[4-[4-ME	16.47	550.000	J
	UNKNOWN	16.65	630.000	J
18435-45-5	1-NONADECENE	16.97	790.000	NJ
	UNKNOWN	17.15	300.000	J
	UNKNOWN	18.11	660.000	J
	UNKNOWN	19.46	340.000	J
	UNKNOWN	20.53	510.000	J
	UNKNOWN	21.69	290.000	J

FILE NAME: ECFK5.SDG DATE: 07/17/98 TIME: 14:42 CADRE98 PAGE: 55

Semivolatile Analysis Data - SBLKFR
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.12	280.000	J
	UNKNOWN	6.23	110.000	J
112-27-6	TRIETHYLENE GLYCOL	8.98	1000.000	NJ
112-60-7	ETHANOL, 2,2'-[OXYBIS(2,1-ETHA	11.30	2000.000	NJ
	UNKNOWN	13.27	1500.000	J
112-35-6	ETHANOL, 2-[2-(2-METHOXYETHOXY	14.98	440.000	NJ
	UNKNOWN	16.57	97.000	J
	UNKNOWN	17.08	100.000	J
	UNKNOWN	18.93	220.000	J

Semivolatile Analysis Data - ECFL2
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.95	900.000	J
	UNKNOWN	6.58	790.000	J
	UNKNOWN	11.30	1600.000	J
1786-94-3	3,6,9,12,15-PENTAOXANONADECAN-	13.28	800.000	NJ
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	13.53	1000.000	NJ
38444-85-8	1,1'-BIPHENYL, 2,3,4'-TRICHLOR	13.80	1000.000	NJ
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.14	1600.000	NJ
7012-37-5	1,1'-BIPHENYL, 2,4,4'-TRICHLOR	14.38	700.000	MNJ
32598-13-3	1,1'-BIPHENYL, 3,3',4,4'-TETRA	14.53	1100.000	NJ
41464-42-0	1,1'-BIPHENYL, 2,3',5,5'-TETRA	14.61	610.000	NJ
41464-40-8	1,1'-BIPHENYL, 2,2',4,5'-TETRA	14.82	1800.000	NJ
84-65-1	9,10-ANTHRACENEDIONE	14.88	770.000	NJ
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	15.34	2200.000	NJ
41464-51-1	1,1'-BIPHENYL, 2,2',3',4,5-PEN	15.59	950.000	NJ
32598-14-4	1,1'-BIPHENYL, 2,3,3',4,4'-PEN	16.67	760.000	NJ
0-00-0	UNKNOWN	17.79	350.000	NJ
	UNKNOWN	18.01	530.000	J
	UNKNOWN	19.66	820.000	J
192-97-2	BENZO[E]PYRENE	20.55	1500.000	NJ
	UNKNOWN	20.71	2100.000	MJ
	UNKNOWN	23.30	920.000	J
	UNKNOWN	24.02	1100.000	J
193-39-5	INDENO[1,2,3-CD]PYRENE	25.45	620.000	NJ

Semivolatile Analysis Data - ECFK8RE
Tentatively Identified Compounds

CASE NO: 26245 LABORATORY: ATAS, INC
SDG NO: ECFK5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	6.12	1000.000	J
	UNKNOWN	13.12	830.000	J
38444-90-5	1,1'-BIPHENYL, 3,4,4'-TRICHLOR	13.80	1400.000	NJ
38444-86-9	1,1'-BIPHENYL, 2',3,4-TRICHLOR	14.15	2600.000	NJ
16606-02-3	1,1'-BIPHENYL, 2,4',5-TRICHLOR	14.38	920.000	NJ
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	14.53	930.000	NJ
38444-93-8	1,1'-BIPHENYL, 2,2',3,3'-TETRA	14.61	810.000	NJ
32598-12-2	1,1'-BIPHENYL, 2,4,4',6-TETRAC	14.82	1200.000	NJ
25323-68-6	1,1'-BIPHENYL, TRICHLORO-	14.88	660.000	NJ
	UNKNOWN	14.95	1300.000	J
	UNKNOWN	15.11	590.000	J
33284-54-7	1,1'-BIPHENYL, 2,3,5,6-TETRACH	15.28	1900.000	NJ
52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TETRAC	15.34	1100.000	NJ
41464-43-1	1,1'-BIPHENYL, 2,3,3',4'-TETRA	15.56	1000.000	NJ
	UNKNOWN	15.70	870.000	J
	UNKNOWN	16.49	490.000	J
192-97-2	BENZO[E]PYRENE	20.54	3100.000	NJ

Missing Contents Error Report

SDG NO: **ECFK5**

CASE NO: **26245**

LABORATORY: **ATAS, INC**

AGENCY INPUT FILE: **ECFK5.OAS**

FIELD DESCRIPTION	CADRE KEY		
Analysis Time	Record Type 20	Line 120	Format HH:MM
Analysis Time	Record Type 20	Line 133	Format HH:MM
Sulfur Cleanup	Record Type 27	Line 486	Format RANGE
Analysis Time	Record Type 20	Line 9017	Format HH:MM
Analysis Time	Record Type 20	Line 9030	Format HH:MM
Sulfur Cleanup	Record Type 27	Line 9383	Format RANGE
Analysis Time	Record Type 20	Line 10264	Format HH:MM
Analysis Time	Record Type 20	Line 10277	Format HH:MM
Analysis Time	Record Type 20	Line 10626	Format HH:MM
Sulfur Cleanup	Record Type 27	Line 10638	Format RANGE
Sulfur Cleanup	Record Type 27	Line 10853	Format RANGE
Analysis Time	Record Type 20	Line 11817	Format HH:MM
Analysis Time	Record Type 20	Line 11830	Format HH:MM
Analysis Time	Record Type 20	Line 12179	Format HH:MM
Sulfur Cleanup	Record Type 27	Line 12191	Format RANGE
Sulfur Cleanup	Record Type 27	Line 12406	Format RANGE
Purge	Record Type 21	Line 13329	Format RANGE
Purge	Record Type 21	Line 13524	Format RANGE
Purge	Record Type 21	Line 13966	Format RANGE
Purge	Record Type 21	Line 14909	Format RANGE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Data Set No: _____ CERCLIS No: 1122

Case No: 26245 Site Name Location: Steel City Nat. Bank

Contractor or EPA Lab: ATAS Data User: IEPA

No. of Samples: 18 Date Sampled or Data Received: 7-14-98

Have Chain-of-Custody records been received? Yes ✓ No ✓
Have traffic reports or packing lists been received? Yes ✓ No _____
If no, are traffic report or packing list numbers written on the chain-of-custody record? Yes ✓ No _____
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____

_____ _____ _____ _____

Are basic data forms in? Yes ✓ No _____
No of samples claimed: 18 No. of samples received: 18

Received by: Lynette Burnett Date: 7-14-98

Received by LSSS: Lynette Burnett Date: 7-14-98

Review started: 7-15-98 Reviewer Signature: Allison C. Harvey

Total time spent on review: 28 hrs Date review completed: 7-22-98

Copied by: Lynette Burnett Date: 8-5-98

Mailed to user by: Lynette Burnett Date: 8-5-98

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffen, Data mgmt. Coordinator, Region V, 5SCRL

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Data: _____

RECRA LabNet

a division of Recra Environmental, Inc.

Virtual Laboratories Everywhere

0310450024/Cook
Steel City National
S.F. Tech

August 18, 1998

Mr. Ron Turpin
State of Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62794-9276

Dear Mr. Turpin:

The enclosed analytical report is for the project and lot number listed below:

RFW#	9806G997
Fund:	PR47000
LPC#:	0310450024
Site Name:	Steel City National Bank
Locality:	Cook
Project Manager:	Ted Prescott

If you have any questions, please contact me at 708-534-5200.

RECEIVED
AUG 25 1998
IEPA/BOL

Sincerely,

Recra LabNet - Chicago

Charles R. Maw
Project Manager

sj

Enclosures

cc: Sue Doubet

Approved By:

Michael J. Healy
Vice President

The results presented in this report relate only to the analytical testing and conditions of sample at receipt. This report pertains to only those samples actually tested. All 208 pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2417 Bond Street • University Park, IL 60466-3182 • (708) 534-5200 • Fax (708) 534-5211

Recra LabNet - Chicago
INORGANIC ANALYTICAL DATA PACKAGE FOR
Illinois EPA

LOT # :9806G997

CLIENT ID /ANALYSIS	SAMPLE #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
X106							
TCLP	001	SO		06/03/98	06/04/98		06/08/98
SILVER, TCLP LEACHAT	002	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
SILVER, TCLP LEACHAT	002 REP	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
SILVER, TCLP LEACHAT	002 MS	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
ARSENIC TCLP LEACHA	002	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
ARSENIC TCLP LEACHA	002 REP	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
ARSENIC TCLP LEACHA	002 MS	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
BARIUM, TCLP LEACHAT	002	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
BARIUM, TCLP LEACHAT	002 REP	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
BARIUM, TCLP LEACHAT	002 MS	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CADMIUM TCLP LEACHA	002	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CADMIUM TCLP LEACHA	002 REP	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CADMIUM TCLP LEACHA	002 MS	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CHROMIUM, TCLP LEACH	002	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CHROMIUM, TCLP LEACH	002 REP	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CHROMIUM, TCLP LEACH	002 MS	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
MERCURY TCLP LEACHA	002	W	98HG363	06/03/98	06/04/98	06/29/98	06/30/98
MERCURY TCLP LEACHA	002 REP	W	98HG363	06/03/98	06/04/98	06/29/98	06/30/98
MERCURY TCLP LEACHA	002 MS	W	98HG363	06/03/98	06/04/98	06/29/98	06/30/98
LEAD, TCLP LEACHATE	002	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
LEAD, TCLP LEACHATE	002 REP	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
LEAD, TCLP LEACHATE	002 MS	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
SELENIUM, TCLP LEACH	002	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
SELENIUM, TCLP LEACH	002 REP	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
SELENIUM, TCLP LEACH	002 MS	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
X109							
TCLP	003	SO		06/03/98	06/04/98		06/08/98
SILVER, TCLP LEACHAT	004	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
ARSENIC, TCLP LEACHA	004	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
BARIUM, TCLP LEACHAT	004	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CADMIUM, TCLP LEACHA	004	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CHROMIUM, TCLP LEACH	004	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
MERCURY, TCLP LEACHA	004	W	98HG363	06/03/98	06/04/98	06/29/98	06/30/98
LEAD, TCLP LEACHATE	004	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
SELENIUM, TCLP LEACH	004	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98

NY CERTIFICATION # 11006

Recra LabNet - Chicago
INORGANIC ANALYTICAL DATA PACKAGE FOR
Illinois EPA

LOT # :9806G997

CLIENT ID ANALYSIS	SAMPLE #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
X110							
TCLP	005	SO		06/03/98	06/04/98		06/08/98
SILVER, TCLP LEACHAT	006	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
ARSENIC, TCLP LEACHA	006	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
BARIUM, TCLP LEACHAT	006	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CADMIUM, TCLP LEACHA	006	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
CHROMIUM, TCLP LEACH	006	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
MERCURY, TCLP LEACHA	006	W	98HG363	06/03/98	06/04/98	06/29/98	06/30/98
LEAD, TCLP LEACHATE	006	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98
SELENIUM, TCLP LEACH	006	W	98GE413	06/03/98	06/04/98	06/23/98	06/24/98

NP CERTIFICATION # 11006

Recra LabNet - Chicago
METALS CASE NARRATIVE

Client: Illinois EPA
RFW#: 9806G997
SDG#: U06997

WO#: 01104-009--001-0000
Date Rec'd: 06/04/98

1. This narrative covers the analysis of 3 Soil samples for TCLP and the extracts analyzed for the following metals:

   ICP .... Ag,As,Ba,Cd,Cr,Pb,Se
   CVAA ... Hg

   Method Refs: USEPA SW-846

2. All analyses were performed within the required holding times.

3. All Initial and Continuing Calibration Verification (ICV/CCV's) were within control limits.

4. All Initial and Continuing Calibration Blanks (ICB/CCB's) were within control limits.

5. All Preparation/Method Blanks were below reporting limits.

6. All ICP Interference Check Samples (ICSA and ICSAB) were within control limits.

7. All Laboratory Control Samples (LCS) were within the 80-120% control limits.

8. All Serial dilution analysis were within control limits.

9. All Matrix Spike recoveries were greater than 50% except for Silver. Therefore, sample 002 was analyzed for Silver by the Method of Standard Additions. MSA analysis also resulted in less than CRDL result.

10. All Duplicate analysis were within the 20% Relative Percent Difference (RPD) control limits.

Mani S. Iyer
Metals Section Manager

8/18/98
Date

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

I Name: RECRA_LABNET_CHICAGO_____ Contract: _____

Lab Code: RECRA_ Case No.: _____ SAS No.: _____ SDG No.:U06997

SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
_X106_____	_9806G997-002___
_X106D_____	_9806G997-002D__
_X106S_____	_9806G997-002S__
_X109_____	_9806G997-004___
_X110_____	_9806G997-006___

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

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

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mani S. Iyer Name: MANI S. IYER

Date: 8/18/98 Title: Metals Section Manager

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: RECRA_LABNET_CHICAGO_____ Contract: _____

Lab Code: RECRA_ Case No.: _____ SAS No.: _____ SDG No.: U06997

Matrix (soil/water): WATER Lab Sample ID: 9806G997-002

Level (low/med): LOW__ Date Received: 06/04/98

% 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__	107	U		P_
7440-39-3	Barium___	1100	B		P_
7440-43-9	Cadmium__	10.5	U		P_
7440-47-3	Chromium_	14.8	B		P_
7439-92-1	Lead_____	83.0	U		P_
7439-97-6	Mercury__	5.0	U		CV
7782-49-2	Selenium_	86.0	U		P_
7440-22-4	Silver___	10.5	U	N	P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
X106

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: RECRA_LABNET_CHICAGO_____ Contract: _____

Lab Code: RECRA_ Case No.: _____ SAS No.: _____ SDG No.: U06997

Matrix (soil/water): WATER Lab Sample ID: 9806G997-004

Level (low/med): LOW__ Date Received: 06/04/98

% 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__	21.4	U		P_
7440-39-3	Barium___	7480			P_
7440-43-9	Cadmium__	8.7	B		P_
7440-47-3	Chromium_	85.2			P_
7439-92-1	Lead_____	229			P_
7439-97-6	Mercury__	5.0	U		CV
7782-49-2	Selenium_	17.2	U		P_
7440-22-4	Silver___	2.1	U	N	P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
X109

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: RECRA_LABNET_CHICAGO_____ Contract: _____

Lab Code: RECRA_ Case No.: _____ SAS No.: _____ SDG No.: U06997

Matrix (soil/water): WATER Lab Sample ID: 9806G997-006

Level (low/med): LOW__ Date Received: 06/04/98

% 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__	21.4	U		P_
7440-39-3	Barium___	2260			P_
7440-43-9	Cadmium__	136			P_
7440-47-3	Chromium_	14.0	B		P_
7439-92-1	Lead_____	3300			P_
7439-97-6	Mercury__	5.0	U		CV
7782-49-2	Selenium_	17.2	U		P_
7440-22-4	Silver___	2.1	U	N	P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

X110

FORM I - IN ILM03.0

RECRA LabNet Use Only

98066997

Custody Transfer Record/Lab Work Request

LabNet

Client: IEPA

Project #:

Date Rec'd: 6/4/98 Date Due: 7/2/98

RECRA PM: Chuck Maw

Client Contact/Phone: Ron Turpin

Refrigerator#			1 →									
#/Type Container			1/6 →									
Volume			32oz →									
Preservative												
ANALYSIS REQUESTED			TCLP	TCLP RCRA metals								
RECRA Use Only Lab ID	Client ID/Description	Matrix	Date Collected									
001	X106	SO	6/3/98	X								
002	1 MS TCLP	W	1		X							
003	X109	SO	1	X								
004	1 TCLP	W	1		X							
005	X110	SO	1	X								
006	1 TCLP	W	1		X							

Matrix: W - Water, DS - Drum Solids, X - Other; S - Soil, O - Oil, DL - Drum Liquids; SE - Sediment, A - Air, F - Fish; SO - Solid, WI - Wipe, L - EP/TCLP Leachate

Special Instructions: QC = CLP; Dely = CLP-Like

Internal COC

Item/Reason	Relinquished by	Received by	Date	Time	Item/Reason	Relinquished by	Received by	Date	Time
		P. Bahl	6/4/98	1215					

Per client - TOC is not required.

RECRA LabNet Use Only

Samples Were:
1 Shipped or Hand-Delivered
NOTES:
2 Ambient or chilled
NOTES:
3 Received Broken/Leaking (Improperly Sealed) Y N
NOTES:
4 Properly Preserved Y N
NOTES:
5 Received Within Holding Times Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES:

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

00

Recra LabNet - Chicago
Internal Sample Custody Transfer Record

RFW Lot#: 98066 997 **Client:** IEPA

Sample No.	Analysis	Relinquished by:	Received by:	Date	Time	Comments
1,3,5	TCLP	P. Bahl	E. Mayo	6/8/98	13:00	
1,3,5	TCLP	E. Mayo	P. Bahl	6/9/98	8:45	
2,4,6	TCLP Met	E. Mayo	L. Rostt	6/10/98	13:00	
2,4,6	Metals	[illegible]	L. Herre	6-23-98	1810	
2,4,6	HG	L. Herre	E. Mayo	6-30-98	8 950	
2,4,6	HG	E. Mayo	L. Herre	6-29-98	1515	

RFW No. 11 31G-0001/8-6/97

SAMPLE DIGESTION RECORD

Sheet No:1 OF 1

Digestion Date: 06/23/98 Digestion Batch No: 98GE413 Analyst: DD Client: IEPA

Completion Date: 06/23/98 Type of Freq.: ICP Method: 3010 Matrix: WATER

Parameters: AS.BA.CD.CR.PB.SE.AG
Type of Analysis: TCLP

Sample No:	Initial WT/VOL	Final VOL	Spike Mult.	pH (2)	% Solids	C/D FACTOR	Parameters	Color Before	Color After	Clarity Before	Clarity After	Texture	Art	Comments
9806699?														
002	50	50		<		1.00000		COLORLESS	COLORLESS	CLEAR	CLEAR			
002 R	50	50	1	<		1.00000								
002 S	50	50	1	<		1.00000								
004	50	50		<		1.00000		COLORLESS	COLORLESS	CLEAR	CLEAR			
006	50	50		<		1.00000		COLORLESS	COLORLESS	CLEAR	CLEAR			
98GE413-MB1	50	50		<		1.00000								
98GE413-LC1 L	50	50	1	<		1.00000								
98GE413-LC2 L	50	50	1	<		1.00000								

DM
[illegible] 6/24/98

DIGESTION CUSTODY SHEET

Extracts Transferred	Relinquished By	Date Time	Received By	Relinquished By	Date	Time	Received By
all	[illegible]	6/24/98 9a	Rm 1928				

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
None	VOC - 2 oz glass (2)	VOC - 40 mL glass (2)
VOA - HCl	SVOC - 8 oz glass (1)	SVOC, Pest/PCB - 80 oz amber glass (1)*
Metals - HNO3	Pest/PCB - 8 oz glass (1)	Inorganics - 1 qt plastic (1)
Cyanide - NaOH	Inorganics - 16 oz glass (1)	* duplicate 1 out of 10
Other		
Other		

Project	Site	Location	Project Number	Phone Number	Date Sampled
PR47000	0310450024	Cook	[illegible]		6-1-98
Section	Sampling Site	Project Manager		Phone Number	Initial Cooler Seal
	Steel City National Bank	Ted Prescott		217/524-3511	793

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Lab Sample No.	Parameter Group: TCLP	Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations
	X	X106	Soil	1	6/3/98	1430	KWC	
	X	X109	Soil	1	6/3/98	1330	KWC	
	X	X110	Soil	1	6/3/98	1315	KWC	

Sampler: I certify that I received the sample shipping container with the shipping container sealed and intact

Cooler Opened by:	Seal No:	Date:	Time:	Intact
KEN CORKILL	0793	6-3-98	1200	Y-N
				Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me

Cooler Sealed By:	Seal No.:	Date:	Time:
KEN CORKILL	0792	6-3-98	1740

Sample Courier:

Turnaround Time Requested:

Samplers: