LPC# 1970450024
US STEEL
WILL COUNTY
JOLIET, IL
ILD 005 454 566
SUPERFUND/HRS
VOLUME 2 PART 2

US EPA RECORDS CENTER REGION 5
474306

CERCLA

Analytical Results

Illinois Environmental
Protection Agency

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUN 3 0 2004

Subject: Review of Region 5 Data for **US Steel Joliet Works (Joliet IL)**

From: **Richard Baltrus, Chemist, Alion Science and Technology/ESAT**
Contractor to Region 5 Central Regional Laboratory
Submitted to CRL on 6-29-04 FOR R. BALTRUS

To: IEPA

Attached are the results for: **US Steel Joliet Works (Joliet IL)**

CRL data set number: **E405003**

Samples analyzed for: **Mercury**

Results are reported for sample designations: **E405003-01 to E405007-03**
3 RMB 6/30/04
ERROR

RECEIVED
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IEPA - BOL - FSRE

Sylvia Griffin JUN 30 2004

Data Management Coordinator and Date Received

Date Transmitted: JUN 30 2004 / /

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at 3-7444 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C

/ /

Received by and Date

Comments:

Attached are the results for: **US Steel Joliet Works (Joliet IL)**

CRL data set number: **E405003**

Samples analyzed for: **Mercury**

Results are reported for sample designations: **E405003-01 to E405007-03**

Parameter: Mercury
Method: 245.2*DNS
Analyst: Richard Baltrus
Date: June 17, 2004

Data Set: E405003
TDF: 5-22-019
Alion Job #: 246-0-1476-202-078-001
Task Order: 05-1-22

NARRATIVE

Three (3) soil samples from the US Steel Joliet Works site were collected on May 4, 2004. The samples were received on May 13, 2004. The temperature the samples were received was 17.2°C. The samples results are qualified "J" because the temperature at which the samples were received was too high. The samples were submitted to ESAT for TCLP extraction and mercury analysis. The sample point identifications are on the first page of the LIMS report following this narrative.

The soil samples were extracted on May 19, 2004. The TCLP extract was manually digested on June 9, 2004 as LIMS batch EF40703 with hydroxylamine solution added and analysis performed on June 10, 2004. All check standard concentrations were greater than upper limits; the samples were redigested on June 16, 2004 as LIMS batch EF41601 with hydroxylamine solution added and analysis performed on June 16, 2004. All digestion sample tubes were capped during the digestions. The matrix spike recovery was less than the lower limit and the second inorganic QC check standard of the run was less than the lower limit; all sample results are qualified "L" due to the low bias. All samples were analyzed within the 28 day holding time limit.

Raw data for this analysis can be found in the data package for E405007. Logbook entries for this analysis can be found in Alion logbook C31846 pages 23-24 and C31854 pages 1-4.

6-29-04

ALION
SCIENCE AND TECHNOLOGY

Alion Science and Technology ESAT Region 5
536 South Clark Street, Suite 734; Chicago, IL 60605
Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5	Project: US Steel, Joliet Works	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Jun-21-04 15:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2004IE06 S01 X103	E405003-01	Soil	May-04-04 10:30	May-13-04 13:34
2004IE06 S02 X120	E405003-02	Soil	May-04-04 13:50	May-13-04 13:34
2004IE06 S03 X104	E405003-03	Soil	May-04-04 11:50	May-13-04 13:34

6-21-04 000006

Stephen Connet, Chemist

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Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5	Project: US Steel, Joliet Works	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Jun-21-04 15:43

Mercury by Cold Vapor AA, TCLP Extract
Alion - ESAT Contract

2004IE06 S01 X103 (E405003-01RE1) Soil Sampled: May-04-04 10:30 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	**U**	J, L	0.1	0.5	ug/L	1	EF41601	Jun-16-04	Jun-16-04

2004IE06 S02 X120 (E405003-02RE1) Soil Sampled: May-04-04 13:50 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	**U**	J, L	0.1	0.5	ug/L	1	EF41601	Jun-16-04	Jun-16-04

2004IE06 S03 X104 (E405003-03RE1) Soil Sampled: May-04-04 11:50 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Mercury	**U**	J, L	0.1	0.5	ug/L	1	EF41601	Jun-16-04	Jun-16-04

6-21-04

000007

Stephen Connet, Chemist

ALION
SCIENCE AND TECHNOLOGY

Alion Science and Technology ESAT Region 5
536 South Clark Street, Suite 734; Chicago, IL 60605
Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: US Steel, Joliet Works Project Number: [none] Project Manager: Howard Pham	**Reported:** Jun-21-04 15:43

Notes and Definitions

J	The identification of the analyte is acceptable; the reported value is an estimate.
L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
U	Not Detected
NR	Not Reported

000008

6-26-04

Stephen Connet, Chemist

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUL 0 1 2004

Subject: Review of Region 5 Data for **US Steel Joliet Works (Joliet, IL)**

From: **Marjorie Mattox, Chemist, ESAT/ALION**
Contractor to Region 5 Central Regional Laboratory
Submitted to EPA: Marjorie L. Mattox 6-30-04

To: BOB CASPER - IEPA

Attached are the results for: **US Steel Joliet Works (Joliet, IL)**

CRL data set number: **E405003**

Samples analyzed for: **ICP RCRA METALS; Ag, As, Ba, Cd, Cr, Pb, Se (TCLP Extract)**

Results are reported for sample designations: **E405003-01 to -03**

RECEIVED
JUL 0 6 2004
IEPA - BOL - FSRS

William Sayre JUL 01 2004

Data Management Coordinator and Date Received

Date Transmitted: JUL 01 2004

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at 3-7444 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C

/ /

Received by and Date

Comments:

Attached are the results for: **US Steel Joliet Works (Joliet, IL)**

CRL data set number: **E405003**

Samples analyzed for: **ICP RCRA METALS; Ag, As, Ba, Cd, Cr, Pb, Se (TCLP Extract)**

Results are reported for sample designations: **E405003-01 to -03**

Rev. 4/10/02

Parameter: ICP RCRA Metals
Method: CRL Metals 003 & Metals 025
Analyst: M. Mattox M. Mattox
Date: June 29, 2004 6-29-04

Work Orders: E405003
TDF: 5-22-019
Task Order: 05-1-22
JOB: 246-0-1476-202-078-001

ICP NARRATIVE

This narrative covers the analysis of 3 TCLP extracts from the US Steel Joliet Works site. Three soil samples were submitted to ESAT for TCLP extraction and ICP RCRA metals analysis. The samples were collected on May 4, 2004. The samples were received on May 13, 2004.

For a more detailed listing of sample ID, laboratory ID, field station ID, and sampling dates, refer to the Work Order pages and/or the initial LIMS report pages where such listings can be found.

Routine CRL SOP Metals 025 (water) was used to prepare TCLP extracts for ICP analysis. The TCLP extraction procedure was conducted on May 19 and 20, 2004 following CRL SOP GEN019 (Method 1311). All samples were extracted using Extraction Fluid #1. The TCLP extracts were digested at a 10X dilution on May 24, 2004 as LIMS batch EE42404 with LIMS batch EE42402. This batch was analyzed with batch EE42402 using the Optima 4300 on May 26, 2004. CRL SOP Metals 003 protocols were used during these analyses. All samples were analyzed within the holding time limit.

ICP RUN RESULTS

On April 20, 2004 a digestion batch of two MDL solutions was digested. The two solutions with two different concentration sets were prepared using the Optima 3300 RL solution of December 31, 2003. These solutions were analyzed using the Optima 4300 on April 22, 2004. Further work is needed to meet some requirements for 'he MDL's and RL's. MDL's and RL's used for the reporting of these results are interim. Also, problems were encountered with K which required ESAT to default to the EPA MDL and RL for these analytes. All interim MDL's and RL's will be updated as soon as the opportunity arises.

Due to the development of new MDL's and time constraints for the reporting of final results three different reporting limit solutions were used. Each solution is used for different analytes. A listing of analytes used for each solution can be found in the QC summary section of this report.

29 to 31 analyte lines out of a possible 78 lines available using the Optima 4300 DV method were chosen by a plan agreed upon by Dr. J. V. Morris. These are to be used for routine reporting of analyte values that appear in the QA summary reports.

Analysis E405001 - Optima 4300 DV

The following analytes will be addressed, all other analytes will not be discussed in this case narrative:

Ag, As, Ba, Cd, Cr, Pb, Se

CRL limits were used for the evaluation of the data due to ESAT just beginning use of the Optima 4300. ESAT limits will be established as data is collected. All instrument and preparation blank data are being recorded but the limits for blanks will always be the MDL.

The following lists the case pertinent out-of-control QC audit check results based on default QA / QC (traditional) limits:

E405003 analysis :

Instrument QC:

05/26/04 analysis:

Blanks: (Blank values are rounded)

Instr. Blk 1:	Ag328	-2.89	ug/l
	Ba455	-0.79	"
	Cd226	0.75	"
	Cr267	-5.26	"
Instr. Blk 2:	Ag328	-2.09	"
	Ba455	-0.53	"
	Cd226	0.84	"
	Cr267	-4.47	"
Instr. Blk 3:	Ag328	-3.28	"
	Cd226	0.86	"
	Cr267	-3.24	"
Instr. Blk 4:	Ag328	-3.21	"
	Cd226	0.80	"
	Cr267	-5.04	"
	Pb220	4.07	"

Matrix QC:

Preparation Blank:	EE42404-BLK1	Ag328	-3.18	ug/L	
		Cd226	0.86	"	
		Cr267	-4.63	"	
		Pb220	-3.09	"	
TCLP Extraction Fluid #1	EE42404-BLK2	Ag328	-2.91	"	(Raw Instrument
		Ba455	3.53	"	results, prepared at
		Cd226	0.61	"	a 10X dilution)
		Cr267	-3.51	"	
Matrix Duplicates:	EE42404-DUP1	Ba455	*, 30.1	% RPD	
		Se196	<5X		
		Ag328, As193, Cd226, Cr267, Pb220 <5X (difference)			

<5X was used to point out that the duplicate difference was used for QC evaluation purposes, the RPD was not always listed on the LIMS report.

The LIMS report listed <5X for EE42410-DUP1 Ag, and EE42410-DUP3 Ag, to indicate that the duplicate difference was used for evaluation purposes. The duplicate difference was greater than the MDL. However, since both the sample result and the duplicate result were below the MDL, the results are considered acceptable.

M. Matter 6-29-04

Sample analyte qualifications:

The ICP sample results reported are acceptable except as noted in the following paragraphs.

For Ag, LCM2 QA check audits were used for control purposes rather than LCM1 check audits since the level of Ag in the LCM1 solutions exceed the upper linear limit for Ag.

For Ba, the duplicate %RPD, EE42404-DUP1, showed a result which was out of control. Therefore all sample results for TCLP's, E405003-01 to -03, are flagged "*" due to possible poor precision. Also for Ba, the extraction blank, EE42404-BLK2 showed a result which was greater than the MDL indicating possible contamination and instrument blanks #1 and #2 showed negative results whose absolute value was greater than the MDL. Qualification is not made on the basis of the extraction blank since the TCLP extracts are subject to RCRA limits and the value found in the extraction blank is very low compared to the RCRA limits. Per Dr. John Morris the extraction blank would have to show quantities close to these limits be used for evaluation purposes. Therefore samples E405003-01, -03 are flagged "L" due to the low bias observed in the instrument blanks. Also a linearity check was analyzed at 30 mg/L to validate the blank spike and matrix spike values since they are above the calibration range. The linearity check showed good correlation.

For Cd, the sample results for E405003-01, -03 are flagged "J" since the values were between the MDL and RL. Also for Cd, all instrument blanks, and the preparation blanks EE42404-BLK1 and -BLK2, showed results above the MDL indicating contamination. Sample results E405003-01 to -03, are flagged "K" due to possible contamination.

For Cr, all instrument blanks and the preparation blanks EE42404-BLK1 and -BLK2, showed negative results whose absolute values were greater than the MDL. A positive result affected by these blanks was E405003-02, and is flagged "L" due to the low bias. Also for Cr, the sample result for E405003-03 is flagged "L" due to a negative sample result whose absolute value was greater than the RL.

For Pb, the sample result for E405003-01 is flagged "J" since the value was between the MDL and RL. Also for Pb, instrument blank #4 showed a result that was above the MDL indicating possible contamination and the preparation blank EE42401-BLK1 showed a negative result whose absolute value was greater than the MDL. One sample was affected by the positive blank and negative blank. Therefore a sample affected by both blanks, E405003-01, shows an unknown bias and is flagged "J".

For Se, the sample result for E405003-02 is flagged "J" since the value was between the MDL and RL.

All flagged results are considered estimated. All sample results are usable.

Other comments

It has been observed that some LIMS report RPD calculations do not match all of our in house RPD calculations due to the number of significant figures used in the calculations.

No field QC was present for this work order.

M. Mattop 6-29-04

ALION
SCIENCE AND TECHNOLOGY

Alion Science and Technology ESAT Region 5
536 South Clark Street, Suite 734; Chicago, IL 60605
Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5	Project: US Steel, Joliet Works	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Jun-30-04 16:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2004IE06 S01 X103	E405003-01	Soil	May-04-04 10:30	May-13-04 13:34
2004IE06 S02 X120	E405003-02	Soil	May-04-04 13:50	May-13-04 13:34
2004IE06 S03 X104	E405003-03	Soil	May-04-04 11:50	May-13-04 13:34

M. Mattox 6-30-04
Margie Mattox, Chemist

ALION
SCIENCE AND TECHNOLOGY

Alion Science and Technology ESAT Region 5
536 South Clark Street, Suite 734; Chicago, IL 60605
Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: US Steel, Joliet Works Project Number: [none] Project Manager: Howard Pham	**Reported:** Jun-30-04 16:21

Metals by ICP, TCLP Extract
Alion - ESAT Contract

2004IE06 S01 X103 (E405003-01) Soil Sampled: May-04-04 10:30 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Arsenic	U		60.0	500	ug/L	1	EE42404	May-24-0	May-26-04
Barium	43.6	L, *	5.0	20.0	"	"	"	"	"
Cadmium	7.7	J, K	4.0	10.0	"	"	"	"	"
Chromium	U		20.0	40.0	"	"	"	"	"
Lead	101	J	30.0	200	"	"	"	"	"
Selenium	U		40.0	400	"	"	"	"	"
Silver	U		10.0	40.0	"	"	"	"	"

2004IE06 S02 X120 (E405003-02) Soil Sampled: May-04-04 13:50 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Arsenic	U		60.0	500	ug/L	1	EE42404	May-24-0	May-26-04
Barium	618	*	5.0	20.0	"	"	"	"	"
Cadmium	26.9	K	4.0	10.0	"	"	"	"	"
Chromium	41.9	L	20.0	40.0	"	"	"	"	"
Lead	16900		30.0	200	"	"	"	"	"
Selenium	98.2	J	40.0	400	"	"	"	"	"
Silver	U		10.0	40.0	"	"	"	"	"

2004IE06 S03 X104 (E405003-03) Soil Sampled: May-04-04 11:50 Received: May-13-04 13:34

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Arsenic	U		60.0	500	ug/L	1	EE42404	May-24-0	May-26-04
Barium	42.3	L, *	5.0	20.0	"	"	"	"	"
Cadmium	8.9	J, K	4.0	10.0	"	"	"	"	"
Chromium	U	L	20.0	40.0	"	"	"	"	"
Lead	U		30.0	200	"	"	"	"	"
Selenium	U		40.0	400	"	"	"	"	"
Silver	U		10.0	40.0	"	"	"	"	"

M. Mattox 6-30-04
Margie Mattox, Chemist

ALION
SCIENCE AND TECHNOLOGY

Alion Science and Technology ESAT Region 5
536 South Clark Street, Suite 734; Chicago, IL 60605
Telephone (312) 353-8302 Facsimile (312) 353-8307

Superfund, US EPA Region 5	Project: US Steel, Joliet Works	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Howard Pham	Jun-30-04 16:21

Notes and Definitions

*	The duplicate analysis precision is not within control limits. The reported value is estimated.
< 5X	One or both concentration values for the duplicate analysis audit were less than 5 times the MDL value AND the difference between the two values was less than the MDL value. The duplicate audit is acceptable. No qualification made for this QC audit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
U	Not Detected
NR	Not Reported

M. Mattox 6-30-04
Margie Mattox, Chemist

DATE: July 16, 2004

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: US Steel Corp. Joliet Works

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32934	Ceimic	13	ME0098	Water

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

RECEIVED
JUL 21 2004

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

JUL 1 6 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 7/15/04

SUBJECT: **Review of Data**
Received for review on 6/16/04

FROM: **Stephen L. Ostrodka, Chief (SMF-4J)**
Superfund Field Services Section

TO: **Data User:** IEPA

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

SITE NAME: US Steel Corp. Joliet Works (IL)

CASE NUMBER: 32934 **SDG NUMBER:** ME0098

Number and Type of Samples: 13 water

Sample Numbers: ME0098-99, ME00A1-2, 4-7, B6-7, 9, C0, 3

Laboratory: Ceimic Hrs. for Review: 12
+1

Following are our findings:

CC: Howard Pham
Region 5 TOPO
Mail Code: SRT-4J

1. HOLDING TIME:

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the instrument detection limit (IDL) but less than or equal to the CRQL. The sample result is greater than the MDL but less than or equal to the CRQL.
Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum
ME0098, ME00A2, ME00A4, ME00A5, ME00B7, ME00B9

Cobalt
ME00A6

Selenium
ME0098, ME0099, ME00A4, ME00A5, ME00B6, ME00B7, ME00C0

The following inorganic samples are associated with a negative ICB/CCB concentration whose absolute value is greater than the instrument detection limit (IDL). The sample result is also greater than the MDL but less than or equal to the CRQL.
Hits are qualified "U". The sample result is raised to the CRQL.

Cobalt
ME00A6

Potassium
ME00B9, ME00C0

Zinc
ME0098, ME0099, ME00A1, ME00A6, ME00B6, ME00B7

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the instrument detection limit (IDL). Five times the blank concentration is

detects are qualified "UJ". Hits greater than 10 times the ICSA are not qualified.

Antimony
ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Arsenic
ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Beryllium
ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Cobalt
ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

Thallium
ME00A1, ME00A2, ME00A4, ME00A5, ME00A6, ME00B6, ME00B7

The following inorganic samples have one or more interferent present at concentrations more than true amounts added in the ICSA solution.
Hits less than 10 times the value of the ICSA are qualified "J+"; non-detects are not qualified.

Manganese
ME00A1, ME00A2, ME00A4, ME00A5, ME00B6, ME00B7

The following inorganic samples are associated with sample results whose replicate exposure RSD was excessive (>20%).
Hits are qualified "J".

Arsenic
ME00A6

7. GFAA ANALYSIS:

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS:

The following inorganic samples have analyte concentrations reported above the method detection limit (MDL) but below the quantitation limit (CRQL).

CADRE ILM05.3 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 result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Reviewed by: Stephen Connet
Date: July 15, 2004

Analytical Results (Qualified Data)

Case #: 32934 SDG : ME0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : S. CONNET
Date : 07/15/04

Sample Number :	ME00A5		ME00A6		ME00A7		ME00B6		ME00B7	
Sampling Location :	GF110A		G112		GF112		GF108		G108	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		18:35		18:35		10:05		10:05	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	200	U	673		200	U	200	U	200	U
ANTIMONY	60.0	UJ	60.0	UJ	60.0	U	60.0	UJ	60.0	UJ
ARSENIC	10.0	UJ	12.6	J+/-	10.0	U	10.0	UJ	10.0	UJ
BARIUM	31.5	J	85.2	J	78.0	J	15.0	J	15.3	J
BERYLLIUM	5.0	UJ	0.20	J-	5.0	U	5.0	UJ	5.0	UJ
CADMIUM	5.0	U	1.8	J	5.0	U	5.0	U	5.0	U
CALCIUM	102000		97500		94500		118000		119000	
CHROMIUM	1.3	J	27.5		2.6	J	10.0	U	0.88	J
COBALT	50.0	UJ	50.0	UJ	50.0	U	50.0	UJ	50.0	UJ
COPPER	3.5	J	28.7		1.6	J	1.6	J	25.0	U
IRON	112		78900		36600		79.5	J	241	
LEAD	10.0	U	16.1	J+	10.0	U	10.0	U	10.0	U
MAGNESIUM	272000		23100		21000		114000		117000	
MANGANESE	15.2	J+	3850		2040		44.7	J+	51.6	J+
MERCURY	0.20	U	0.05	J	0.20	U	0.20	U	0.20	U
NICKEL	40.0	U	13.5	J	40.0	U	40.0	U	40.0	U
POTASSIUM	14700		6020		5740		9910		9550	
SELENIUM	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
SODIUM	22300		7730		7670		6330		6530	
THALLIUM	25.0	UJ	25.0	UJ	25.0	U	25.0	UJ	25.0	UJ
VANADIUM	50.0	U	107		50.0	U	50.0	U	50.0	U
ZINC	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
CYANIDE			10.0	U					10.0	U

JUN 1 6 2004

SDG Narrative

Laboratory Name: Ceimic Corporation
Case No.: 32934
SDG No.: ME0098
Contract: 68W02063
Ceimic Project No.: 040482, 040483

The following ILM05.3 (ICP-AES) thirteen ground water samples were received at CEIMIC Corporation on May 26, 2004:

EPA ID	Ceimic ID
ME0098	040482-01
ME0098D	040482-01D
ME0098S	040482-01S
ME0099	040483-01
ME00A1	040482-02
ME00A2	040482-03
ME00A4	040483-02
ME00A5	040483-03
ME00A6	040482-04
ME00A7	040483-04
ME00B6	040483-05
ME00B7	040482-05
ME00B9	040483-06
ME00C0	040482-06
ME00C3	040482-07

Comments on Data Package

The samples in this SDG for Case 32934 associated with Ceimic Project Number 040482 were received for Total Metals analysis by ICP-AES, Total Mercury analysis by CVAA, and Total Cyanide analysis by automated spectrophotometry. The samples associated with Ceimic Project Number 040483 were received for Dissolved Metals analysis by ICP-AES and Dissolved Mercury analysis by CVAA. The above samples were digested and analyzed in accordance with the Inorganic Statement of Work (SOW) ILM05.3. Samples for Dissolved target analyte analyses were field-filtered and field-preserved.

When ICP-AES and CVAA raw data have been reprocessed in an SDG, the words "Reprocessed on" followed by the date and time of reprocessing will sometimes be printed in the header of each standard and sample raw data report. The word "Reprocessed" is used when the original sequence data is regenerated after it was collected and processed with incorrect information (such as sample information, standard nomenclature) or settings (such as background correction, internal standard, dilultion factor, QC concentration, wrong IEC table, etc.)

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 32934 SITE: US STEEL CORP JOLIET WORKS MATRIX: WATER WATER SAMPLE SPK: ME0098

DATA SET: ME0098 LAB: CEIMIC CONC: LOW WATER SAMPLE DUP: "

LAB QC # REVIEWED BY: G. CONNET SOIL SAMPLE SPK: —

DATE: 7-15-04 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				45.43																	
ANTIMONY							-10.5														
ARSENIC				3.55			-13.71														
BARIUM																					
BERYLLIUM							-0.229														
CADMIUM																					
CALCIUM																					
CHROMIUM																					
COBALT				0.42/-0.46			-1.137														
COPPER																					
IRON																					
LEAD							10.12														
MAGNESIUM																					
MANGANESE							>120%														
MERCURY																					
NICKEL																					
POTASSIUM				-51.63																	
SELENIUM				4.91			41.76														
SILVER																					
SODIUM																					
THALLIUM							-25.68														
TIN																					
VANADIUM							-3.45														
ZINC				-1.39																	
CYANIDE																					

R2: SPK OF 4

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	32934
DAS No:	
SDG No:	ME0098 / ME0099

L

Date Shipped:	5/25/2004
Carrier Name:	UPS
Airbill:	1z6215892210024811
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	5/25/04 1730	Elizabeth Astrig	05/26/04 10:00
2 EA			
3		05/26/04	
4			

For Lab Use Only

Lab Contract No:	68W02063
Unit Price:	A/5
Transfer To:	EA
Lab Contract No:	05/26/04
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME00B9	Ground Water/ Paul Mason	L/G	DM (21)	5-277639 (HNO3) (1)	GF111	S: 5/25/2004	12:25		EA 05/26/04
ME00C0	Ground Water/ Paul Mason	L/G	HCl (21), ICP/MS (21)	5-277640 (HNO3), 5-277645 (NaOH) (2)	G111	S: 5/25/2004	12:25	E00C0	
ME00C3	Ground Water/ Paul Mason	L/G	HCl (21), ICP/MS (21)	5-277649 (HNO3), 5-277654 (NaOH) (2)	FB	S: 5/25/2004	15:30	E00C3	

Shipment for Case Complete?N	~~Sample(s) to be used for laboratory QC:~~ EA 05/26/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°C, 4°C	Chain of Custody Seal Number: 20013-20014
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

DM = CLP TAL Dissolved Metals, HCl = Hg,CN,ICP Metals, ICP/MS = CLP TAL Total Metals ICP/MS

TR Number: 5-314975591-052504-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

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COVER PAGE

JUN 16 2004

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No: 32934 NRAS No.: SDG No: ME0098

SOW No.: ILM05.3

EPA Sample No.	Lab Sample ID
ME0098	040482-01
ME0098D	040482-01D
ME0098S	040482-01S
ME0099	040483-01
ME00A1	040482-02
ME00A2	040482-03
ME00A4	040483-02
ME00A5	040483-03
ME00A6	040482-04
ME00A7	040483-04
ME00B6	040483-05
ME00B7	040482-05
ME00B9	040483-06
ME00C0	040482-06
ME00C3	040482-07

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	NO
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	NO
If yes, were raw data generated before application of background corrections?	(Yes/No)	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 diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Ryan C. Montalbano Name: Ryan Montalbano

Date: 06/14/04 Title: Inorganic Lab Supervisor

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1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0099

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Matrix (soil/water): WATER Lab Sample ID: 040483-01

Level (low/med): LOW Date Received: 05/26/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	11.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	88200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	35.1	J		P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	79600			P
7439-96-5	Manganese	3.9	J		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	19200			P
7782-49-2	Selenium	35.0U ~~25.6~~	~~J~~	7-15-04	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	28600			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	68.0U ~~18.5~~	~~J~~	7-15-04	P

Color Before: colorless Clarity Before: clear Texture: n/a

Color After: yellow Clarity After: clear Artifacts: n/a

ments:

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1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00A2

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Matrix (soil/water): WATER Lab Sample ID: 040482-03

Level (low/med): LOW Date Received: 05/26/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2000 ~~87.8~~	~~J~~	6-9-15-04	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	29.1	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	96100			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	3.6	J		P
7439-89-6	Iron	189			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	255000			P
7439-96-5	Manganese	20.8			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	13700			P
7782-49-2	Selenium	42.0			P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	20400			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P
57-12-5	Cyanide	10.0	U		AS

Color Before: colorless Clarity Before: clear Texture: n/a

Color After: yellow Clarity After: clear Artifacts: n/a

Comments:

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1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00A5

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Matrix (soil/water): WATER Lab Sample ID: 040483-03

Level (low/med): LOW Date Received: 05/26/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2000 ~~72.0~~	~~J~~	07-15-04	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	31.5	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	1.3	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	3.5	J		P
7439-89-6	Iron	112			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	272000			P
7439-96-5	Manganese	15.2			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	14700			P
7782-49-2	Selenium	35.0 U ~~32.1~~	~~J~~	07-15-04	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	22300			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: colorless Clarity Before: clear Texture: n/a

Color After: yellow Clarity After: clear Artifacts: n/a

nents:

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1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00A7

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Matrix (soil/water): WATER Lab Sample ID: 040483-04

Level (low/med): LOW Date Received: 05/26/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	78.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	94500			P
7440-47-3	Chromium	2.6	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	1.6	J		P
7439-89-6	Iron	36600			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	21000			P
7439-96-5	Manganese	2040			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5740			P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	7670			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: colorless Clarity Before: clear Texture: n/a

Color After: yellow Clarity After: clear Artifacts: n/a

Comments:

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1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00B7

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Matrix (soil/water): WATER Lab Sample ID: 040482-05

Level (low/med): LOW Date Received: 05/26/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200U ~~97.4~~	~~J~~	W 7-15-04	P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	15.3	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	119000			P
7440-47-3	Chromium	0.88	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	241			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	117000			P
7439-96-5	Manganese	51.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	9550			P
7782-49-2	Selenium	35.0U ~~27.7~~	~~J~~	W 7-15-04	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	6530			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0U ~~37.3~~	~~J~~	W 7-15-04	P
57-12-5	Cyanide	10.0	U		AS

Color Before: colorless Clarity Before: clear Texture: n/a

Color After: yellow Clarity After: clear Artifacts: n/a

nents:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME00C0

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Matrix (soil/water): WATER Lab Sample ID: 040482-06

Level (low/med): LOW Date Received: 05/26/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	970			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	134	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	99400			P
7440-47-3	Chromium	3.2	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	3.5	J		P
7439-89-6	Iron	6580			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	46400			P
7439-96-5	Manganese	612			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.7	J		P
7440-09-7	Potassium	5000 U ~~4180~~	~~J~~	11-9-15-04	P
7782-49-2	Selenium	35.0 U ~~6.5~~	~~J~~	11-9-15-04	P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	62000			P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	3.0	J		P
7440-66-6	Zinc	60.0	U		P
57-12-5	Cyanide	10.0	U		AS

Color Before: colorless Clarity Before: clear Texture: n/a

Color After: yellow Clarity After: clear Artifacts: n/a

Comments:

USEPA - CLP

3-IN
BLANKS

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: _____ SDG NO.: ME0098

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
	45.431	C	24.509	C	2	C	3	C		C	M
Aluminum	~~200.45.431~~	~~J~~	200.000	U	200.000	U	200.000	U	200.000	U	P
Antimony	4.501	J	60.000	U	60.000	U	60.000	U	60.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	200.000	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	139.163	J	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Cobalt	0.418	J	50.000	U	50.000	U	50.000	U	50.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	25.000	U	P
[illegible]n	100.000	U	100.000	U	100.000	U	100.000	U	100.000	U	P
Lead	10.000	U	10.000	U	1.899	J	10.000	U	10.000	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	15.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	CV
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	40.000	U	P
Potassium	5000.000	U	5000.000	U	5000.000	U	-51.626	J	5000.000	U	P
Selenium	4.893	J	35.000	U	35.000	U	2.811	J	35.000	U	P
Silver	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	117.389	J	P
Thallium	25.000	U	25.000	U	25.000	U	25.000	U	5.906	J	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	50.000	U	P
Zinc	-1.246	J	-1.392	J	-1.145	J	60.000	U	60.000	U	P
Cyanide	-2.515	J	-2.908	J	-2.908	J	-2.908	J	-1.786	J	AS

3-IN
BLANKS

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: _____ SDG NO.: ME0098

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	-31.390	J	-36.120	J	200.000	U	200.000	U	200.000	U	P
Antimony	60.000	U	60.000	U	60.000	U	4.728	J	60.000	U	P
Arsenic	-2.923	J	1.953	J	10.000	U	10.000	U	10.000	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	200.000	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	187.920	J	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Cobalt	50.000	U	50.000	U	50.000	U	-0.516	J	50.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	25.000	U	P
Iron	100.000	U	100.000	U	100.000	U	100.000	U	100.000	U	P
Lead	10.000	U	10.000	U	1.836	J	10.000	U	10.000	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	2.688	J	P
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	40.000	U	P
Potassium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Selenium	2.766	J	3.712	J	6.745	J	2.742	J	35.000	U	P
Silver	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	61.406	J	105.018	J	P
Thallium	25.000	U	25.000	U	-5.230	J	25.000	U	25.000	U	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	50.000	U	P
Zinc	60.000	U	60.000	U	60.000	U	18.260	J	60.000	U	P

USEPA - CLP

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: _____ SDG NO.: ME0098

ICP-AES Instrument ID: PE Optima ICP ICS Source: PARTA(0503)/B(0203)

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Aluminum	244000	248000					261000	107	260000	105
Antimony	0.0	585.0					-10.5		549	94
Arsenic	0.0	97.0					-10.7		79.6	82
Barium	2.0	475.0					2.5	125	515	108
Beryllium	0.0	482.0					-0.22		502	104
Cadmium	0.0	916.0					2.1		967	106
Calcium	234000	234000					253000	108	252000	108
Chromium	36.0	506.0					30.9	86	519	103
Cobalt	3.0	455.0					1.9	63	490	108
Copper	15.0	537.0					15.8	105	554	103
Iron	94900	95100					101000	106	101000	106
Lead	5.0	51.0					15.1	302	62.6	123
Magnesium	249000	254000					251000	101	249000	98
Manganese	19.0	483.0					25.0	132	545	113
Nickel	10.0	930.0					11.5	115	995	107
Potassium	0	0					-177		-197	
Selenium	0.0	51.0					38.8		79.7	156
Silver	0.0	210.0					1.2		213	101
Sodium	0	0					675		630	
Thallium	0.0	96.0					-12.3		76.0	79
Vanadium	1.0	481.0					-1.0	-100	514	107
Zinc	39.0	975.0					37.7	97	937	96

USEPA - CLP

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0098S

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	1985.1830		52.7955	J	2000.00	97		P
Antimony	75 - 125	98.6066		60.0000	U	100.00	99		P
Arsenic	75 - 125	33.1989		10.0000	U	40.00	83		P
Barium	75 - 125	1926.6700		10.7283	J	2000.00	96		P
Beryllium	75 - 125	46.5413		5.0000	U	50.00	93		P
Cadmium	75 - 125	51.3160		5.0000	U	50.00	103		P
Calcium		88367.9500		84007.9400		0.00	0		NR
Chromium	75 - 125	188.8780		1.1464	J	200.00	94		P
Cobalt	75 - 125	479.1998		50.0000	U	500.00	96		P
Copper	75 - 125	237.1205		25.0000	U	250.00	95		
Iron	75 - 125	1018.8500		88.1992	J	1000.00	93		P
Lead	75 - 125	20.1610		10.0000	U	20.00	101		P
Magnesium		75680.9600		76792.0500		0.00	0		NR
Manganese	75 - 125	479.2662		4.1366	J	500.00	95		P
Mercury	75 - 125	1.0159		0.2000	U	1.00	102		CV
Nickel	75 - 125	473.2108		40.0000	U	500.00	95		P
Potassium		18087.2100		18496.7200		0.00	0		NR
Selenium	75 - 125	63.1334		25.1441	J	50.00	76		P
Silver	75 - 125	45.8992		10.0000	U	50.00	92		P
Sodium		29023.4200		27062.1300		0.00	0		NR
Thallium	75 - 125	47.7470		25.0000	U	50.00	95		P
Vanadium	75 - 125	476.8038		50.0000	U	500.00	95		P
Zinc	75 - 125	497.1327		18.6458	J	500.00	96		P
Cyanide	75 - 125	142.7755		35.2130		100.00	108		AS

Comments:

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

La ame: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: _____ SDG NO.: ME0098

Instrument Type: P Instrument ID: PE Optima ICP Date: 01/14/2004

Preparation Method: NP1

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

Analyte	Wave-Length /Mass	CRQL	MDL
Aluminum	308.22	200	29.6
Antimony	206.83	60	4.5
Arsenic	188.98	10	1.6
Barium	233.53	200	0.82
Beryllium	313.11	5	0.18
Cadmium	226.50	5	0.16
Calcium	315.89	5000	27.3
Chromium	267.72	10	1.8
Cobalt	228.62	50	0.38
Copper	324.75	25	1.7
Iron	273.96	100	14.6
Lead	220.35	10	1.8
Magnesium	279.08	5000	39.0
Manganese	257.61	15	0.29
Nickel	231.60	40	0.93
Potassium	766.49	5000	47.3
Selenium	196.03	35	2.5
Silver	338.29	10	0.79
Sodium	589.59	5000	25.1
Thallium	190.80	25	3.1
Vanadium	290.88	50	1.5
Zinc	206.20	60	0.51

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: _____ SDG NO.: ME0098

Instrument Type: CV Instrument ID: FIMS CVAA Date: 01/12/2004

Preparation Method: CW1

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

Analyte	Wave-Length /Mass	CRQL	MDL
Mercury	253.70	0.2	0.021

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

La ame: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: SDG NO.: ME0098

Instrument Type: AS Instrument ID: Cyanide Date: 01/13/2004

Preparation Method: DW2

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

Analyte	Wave-Length /Mass	CRQL	MDL
Cyanide	580.00	10	0.83

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Ceimic Corporation Contract: 68-W-02-063

Lab Code: CEIMIC Case No.: 32934 NRAS No.: _____ SDG No.: ME0098

Instrument ID: PE Optima ICP Analysis Method: P

Start Date: 06/08/2004 End Date: 06/08/2004

EPA Sample NO.	D/F	Time	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
ME00A5	1.0	1846	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ME00A7	1.0	1853	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ME00B6	1.0	1859	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ME00B9	1.0	1906	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1912																								
ZZZZZZ	1.0	1919																								
ZZZZZZ	1.0	1926																								
ZZZZZZ	5.0	1932																								
CCV	1.0	1939	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1946	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1953																								
ZZZZZZ	1.0	1959																								
ZZZZZZ	1.0	2006																								
ZZZZZZ	1.0	2013																								
ZZZZZZ	1.0	2019																								
ZZZZZZ	1.0	2026																								
ZZZZZZ	1.0	2033																								
CRI	1.0	2039	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.0	2046	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	2053	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	2100	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	2106	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: MED098 CERCLIS No: ILD005454566

Case No: 32934 Site Name/Location: US Steel Corp. Joliet Works

Contractor or EPA Lab: Ceimic Data User: IEPA

No. of Samples: 13 Date Sampled or Date Received: 6-16-04

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: 13 No. of samples received: 13

Received by: Ena M. Dixon/ESAT Date: 6-16-04

Received by LSSS: Ena M. Dixon/ESAT Date: 6-16-04

Review started: 7-14-04 Reviewer Signature: [signature]

Total time spent on review: 12 +1 gt Date review completed: 7-15-04

Copied by: ____ Date: ____

Mailed to user by: ____ Date: ____

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

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. Date: ____

DATE: July 6, 2004

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: US Steel Corp. Joliet Works

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Chemtech	8	ME0043	Water

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

RECEIVED
JUL 1 2 2004
IEPA - BOL - FSRS
IEPA - BOL - FSRS

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

JUL 0 6 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: July 6, 2004

SUBJECT: Review of Data
Received for Review on May 28, 2004

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for this case. We have also reviewed the CADRE generated validation files.

SITE NAME: US Steel Corp. Joliet Works

CASE NUMBER: 32839 SDG NUMBER: ME0043

Number and Type of Samples: 8 waters

Sample Numbers: ME0043,45,51,53,56,58,77,80

Laboratory: Chemtech Hrs. for Review: 8

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number : 32839
Site Name: US Steel Corp.

SDG Number: ME0043
Laboratory: Chemtech

1. HOLDING TIME:

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the MDL but less than or equal to the CRQL. The detected sample result is also less than or equal to the CRQL. Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum
ME0058, ME0080

Antimony
ME0080

Arsenic
ME0043

Barium
ME0043, ME0045, ME0051, ME0053, ME0056, ME0077, ME0080

Beryllium
ME0043, ME0045, ME0051, ME0053, ME0056

Cadmium
ME0043

Calcium
ME0058

Chromium
ME0045, ME0056, ME0077, ME0080

Cobalt
ME0043, ME0045, ME0051, ME0053, ME0056, ME0080

Iron
ME0058, ME0080

Lead
ME0045

Reviewed By: J. Ganz
Date: July 6, 2004

Case Number : 32839
Site Name: US Steel Corp.

SDG Number: ME0043
Laboratory: Chemtech

Chromium
ME0045, ME0056, ME0077, ME0080

Cobalt
ME0043, ME0045, ME0051, ME0053, ME0056, ME0080

Copper
ME0045, ME0058, ME0077, ME0080

Iron
ME0058, ME0080

Magnesium
ME0058

Mercury
ME0043, ME0051, ME0053

Vanadium
ME0043, ME0045, ME0051, ME0053, ME0056, ME0058

Zinc
ME0058, ME0080

The following inorganic samples are associated with an ICB/CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. The detected sample result is greater than the CRQL. Hits are qualified "J-".

Arsenic
ME0056

Mercury
ME0056

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

DC-4 The following inorganic samples are associated with a matrix spike recovery outside the primary high criterion. The post-digest spike sample was either not required or it was required but not analyzed. Hits are qualified "J+".

Mercury
ME0056

No defects were found for the laboratory control sample.

Reviewed By: J. Ganz
Date: July 6, 2004

Case Number : 32839
Site Name: US Steel Corp.

SDG Number: ME0043
Laboratory: Chemtech

All data, except those qualified above, are acceptable.

Reviewed By: J. Ganz
Date: July 6, 2004

Analytical Results (Qualified Data)

Case #: 32839 | SDG : ME0043
Site : U.S. STEEL CORP JOLIET WORKS | Number of Soil Samples : 0
Lab. : CHEM | Number of Water Samples : 8
Reviewer : J. GANZ
Date : JULY 6, 2004

Sample Number :	ME0043		ME0045		ME0051		ME0053		ME0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	2920	J	1960	J	5030	J	3740	J	2420	J
ANTIMONY	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
ARSENIC	10.0	U	10.0	U	43.7		35.0		15.0	J+J-
BARIUM	200	U	200	U	200	U	200	U	200	U
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CADMIUM	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ
CALCIUM	893000		646000		470000		343000		343000	
CHROMIUM	15.5		10.0	U	14.2		10.7		10.0	U
COBALT	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
COPPER	30.3		25.0	U	70.9		47.9		36.3	
IRON	14300	J	10200	J	59300	J	45900	J	20100	J
LEAD	44.9		10.0	U	155		112		58.7	
MAGNESIUM	565000		444000		281000		188000		191000	
MANGANESE	6380	J	956	J	1940	J	1650	J	829	J
MERCURY	0.20	U	0.20	U	0.20	U	0.20	U	0.35	J+/J-
NICKEL	27.3	J	8.3	J	25.0	J	19.5	J	15.1	J
POTASSIUM	17800		23800		8050		7480		8230	
SELENIUM	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
SODIUM	22300		76800		21800		21100		25600	
THALLIUM	25.0	UJ	25.0	UJ	25.0	UJ	25.0	UJ	25.0	UJ
VANADIUM	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
ZINC	109		64.9		124		98.2		150	
CYANIDE	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U

QC EXCEPT SUMMARY REPORT

CASE\SAS#: 32839 SITE: US Steel MATRIX: Water WATER SAMPLE SPK: _____

DATA SET: ME0043 LAB: Chemtech CONC: _____ WATER SAMPLE DUP: _____

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

DATE: July 2, 2004 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				81								13									
ANTIMONY				-6/+8																	
ARSENIC				3.6/-4.3																	
BARIUM				1.4/-1.6																	
BERYLLIUM				.135/-.185																	
CADMIUM				.41			-4.8														
CALCIUM				36/-10																	
CHROMIUM				-1.9/+1																	
COBALT				-2.3/+1.645																	
COPPER				-3.4																	
IRON				50/-51								15									
LEAD				2.5																	
MAGNESIUM				-13/+21																	
MANGANESE				1.17								15									
MERCURY				-.14/+.022											127						
NICKEL																					
POTASSIUM																					
SELENIUM				5.5																	
SILVER															150						
SODIUM																					
THALLIUM							-14														
TIN																					
VANADIUM				7.6/-1.9																	
ZINC				1.1/-.7																	
CYANIDE				1.077																	

Al: 58,80 Ba: all except 58 Ca: 58 Cu: 45; 58; 77,80 Fe: 58,80 Se: 43,5 V: all except 77,80 | ~~Ionic effect~~ ICSA (US)

Sb: 80 Be: 43,5; 51,3,6 Cr: 45; 56; 77,80 Pb: 45 Mg: 58 Mn: 58 Zn: ~~43~~ 58,80 | ~~Na: 43~~ Cd: 43,5; 51,3,6

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	32839
DAS No:	
SDG No:	ME ØØ43

L

Date Shipped:	5/4/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023787
Shipped to:	ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400

Chain of Custody Record

Sampler Signature: James M. Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 James M. Salch	5/4/04 1730	Sunny Patel	5/5/04 10:10
2			
3			
4			

For Lab Use Only

Lab Contract No:	68WØ2Ø68
Unit Price:	$68.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME0058	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-217435 (HNO3), 5-217436 (NaOH) (2)	Field Blank	S: 5/3/2004	16:40	E0058	
ME0059	Ground Water/ Jim Salch	L/G	DM (21)	5-217437 (HNO3) (1)	Field Blank DM	S: 5/3/2004	16:40		

010

All DM Samples is in SDG# MEØØ44

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: ME0056, ME0057	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Number: 27964, 27965
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Yes / Shipment Iced? Yes

CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

TR Number: 5-314975591-050304-0006

PR provides pre' ary results. Requests for preliminary results will increase analytical costs.
Send Copy to: ple Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phon /264-9348 Fax 703/264-9222

LABORATORY COPY

MAY 2 8 2004

CHEMTECH

SDG NARRATIVE

USEPA
SDG # ME0043
CASE # 32839
CONTRACT # 68-W0-2068
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #S2439

A. Number of Samples and Date of Receipt

08 Water Samples were delivered to the laboratory on 05/05/04 and 05/06/04.

B. Parameters

Test requested for Total Metals and Cyanide.

C. Cooler Temp

Indicator Bottle: **Presence**/Absence
Cooler Temp: 5°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue # 1. Lab Received 20 Soil Samples Today. On TR they did not marked any QC Sample in QC Column. Lab is planing to Choose Sample ME0074 as a QC for SDG # ME0042. This Sample is not a PE, blank or rinsate Sample. Is it Ok to Region?

Issue # 2. Lab Received 3 Coolers for this Case. Out off 3 Coolers 1 cooler for Soil & 2 Coolers for Water. For Water Samples TR they marked only 1 Airbill # they did not marked Send Airbill # on TR. For Second Cooler Aribill # is 1A6215892210023796 this Airbill # is not Listed on TR.

Issue # 3. Lab Received 6 Water Samples for TM/CN & 6 Water Samples for Diss Metals. Lab like to know that Water Samples are Complete for this Case. Because, On Scheduling Notification Form they Scheduled for only 6 Water for TM/CN & 6 Water for Diss Metals.

Issue # 4. Can you update Shipping Notification form for this case. I see only water samples are there for this case no Soil Samples are in Shipping Notification Form. So, I cannot Conform Shipping Notification Form on Superfund Web Site.

For details, please check the attached E-mail Communication page at the end of the Data Package.

E. Corrective Action taken for above:

USEPA - CLP

MAY 28 2004

COVER PAGE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

SOW No.: ILM05.3

EPA SAMPLE NO.	Lab Sample ID.
ME0043	S2439-01
ME0045	S2439-02
ME0051	S2439-03
ME0053	S2439-04
ME0056	S2439-05
ME0056D	S2439-06
ME0056S	S2439-07
ME0058	S2439-08
ME0077	S2439-09
ME0080	S2439-10

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	_____
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	_____
If yes-were raw data generated before application of background corrections?	(Yes/No)	NO	_____

Comments:

The "E" qualifiers on Form I and VIII for Aluminum, Iron and Manganese indicate chemical or physical interference effects, which were suspected during those elements' analyses only.

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 diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: PARVEEN HASAN

Date: 5/25/04 Title: EPA QA/QC OFFICER

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0045

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER Lab Sample ID: S2439-02

Level: (low/med) LOW Date Received: 05/05/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1960		E	P	
7440-36-0	Antimony	60.0	U		P	
7440-38-2	Arsenic	10.0	U		P	
7440-39-3	Barium	200 ~~76.7~~	~~J~~	U	P	
7440-41-7	Beryllium	5.0 ~~0.49~~	~~J~~	U	P	
7440-43-9	Cadmium	5.0	U		P	
7440-70-2	Calcium	646000			P	
7440-47-3	Chromium	10 ~~5.3~~	~~J~~	U	P	
7440-48-4	Cobalt	50 ~~4.3~~	~~J~~	U	P	
7440-50-8	Copper	25 ~~12.3~~	~~J~~	U	P	
7439-89-6	Iron	10200		E	P	
7439-92-1	Lead	10 ~~9.4~~	~~J~~	U	P	
7439-95-4	Magnesium	444000			P	
7439-96-5	Manganese	956		E	P	
7439-97-6	Mercury	0.20	U	N	CV	
7440-02-0	Nickel	8.3	J		P	
7440-09-7	Potassium	23800			P	
7782-49-2	Selenium	35 ~~6.3~~	~~J~~	U	P	
7440-22-4	Silver	10.0	U	N	P	
7440-23-5	Sodium	76800			P	
7440-28-0	Thallium	25.0	U		P	
7440-62-2	Vanadium	50 ~~11.2~~	~~J~~	U	P	
7440-66-6	Zinc	64.9			P	
57-12-5	Cyanide	10 ~~7.5~~	~~J~~	U	AS	

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN ILM05.3

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0053

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER Lab Sample ID: S2439-04

Level: (low/med) LOW Date Received: 05/05/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3740		E	P	
7440-36-0	Antimony	60.0	U		P	
7440-38-2	Arsenic	35.0			P	
7440-39-3	Barium	200 ~~134~~	~~J~~	U	P	J4
7440-41-7	Beryllium	5.0 ~~0.67~~	~~J~~	U	P	J4
7440-43-9	Cadmium	5.0	U		P	
7440-70-2	Calcium	343000			P	
7440-47-3	Chromium	10.7			P	
7440-48-4	Cobalt	50 ~~7.2~~	~~J~~	U	P	J4
7440-50-8	Copper	47.9			P	
7439-89-6	Iron	45900		E	P	
7439-92-1	Lead	112			P	
7439-95-4	Magnesium	188000			P	
7439-96-5	Manganese	1650		E	P	
7439-97-6	Mercury	0.20 ~~0.08~~	~~J~~	U N	CV	J4
7440-02-0	Nickel	19.5	J		P	
7440-09-7	Potassium	7480			P	
7782-49-2	Selenium	35.0	U		P	
7440-22-4	Silver	10.0	U	N	P	
7440-23-5	Sodium	21100			P	
7440-28-0	Thallium	25.0	U		P	
7440-62-2	Vanadium	50 ~~19.5~~	~~J~~	U	P	J4
7440-66-6	Zinc	98.2			P	
57-12-5	Cyanide	10.0	U		AS	

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN ILM05.3

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0058

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER Lab Sample ID: S2439-08

Level: (low/med) LOW Date Received: 05/05/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	200 ~~66.1~~	~~J~~	U E	P	
7440-36-0	Antimony	60.0	U		P	
7440-38-2	Arsenic	10.0	U		P	
7440-39-3	Barium	200	U		P	
7440-41-7	Beryllium	5.0	U		P	
7440-43-9	Cadmium	5.0	U		P	
7440-70-2	Calcium	5000 ~~1990~~	~~J~~	U	P	
7440-47-3	Chromium	10.0	U		P	
7440-48-4	Cobalt	50.0	U		P	
7440-50-8	Copper	25 ~~4.6~~	~~J~~	U	P	
7439-89-6	Iron	100 ~~33.1~~	~~J~~	U E	P	
7439-92-1	Lead	10.0	U		P	
7439-95-4	Magnesium	5000 ~~365~~	~~J~~	U	P	
7439-96-5	Manganese	15 ~~1.5~~	~~J~~	U E	P	
7439-97-6	Mercury	0.20	U	N	CV	
7440-02-0	Nickel	40.0	U		P	
7440-09-7	Potassium	5000	U		P	
7782-49-2	Selenium	35.0	U		P	
7440-22-4	Silver	10.0	U	N	P	
7440-23-5	Sodium	5000	U		P	
7440-28-0	Thallium	25.0	U		P	
7440-62-2	Vanadium	50 ~~1.2~~	~~J~~	U	P	
7440-66-6	Zinc	60 ~~15.7~~	~~J~~	U	P	
57-12-5	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN ILM05.3

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0080

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Matrix: (soil/water) WATER Lab Sample ID: S2439-10

Level: (low/med) LOW Date Received: 05/06/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	200 ~~40.8~~	~~J~~	U E	P	~~JS~~
7440-36-0	Antimony	60 ~~9.4~~	~~J~~	U	P	~~JS~~
7440-38-2	Arsenic	10.0	U		P	
7440-39-3	Barium	200 ~~21.2~~	~~J~~	U	P	~~JS~~
7440-41-7	Beryllium	5.0	U		P	
7440-43-9	Cadmium	5.0	U		P	
7440-70-2	Calcium	69000			P	
7440-47-3	Chromium	10 ~~1.7~~	~~J~~	U	P	~~JS~~
7440-48-4	Cobalt	50 ~~2.3~~	~~J~~	U	P	~~JS~~
7440-50-8	Copper	25 ~~4.6~~	~~J~~	U	P	~~JS~~
7439-89-6	Iron	100 ~~42.4~~	~~J~~	U E	P	~~JS~~
7439-92-1	Lead	10.0	U		P	
7439-95-4	Magnesium	27900			P	
7439-96-5	Manganese	18.8		E	P	
7439-97-6	Mercury	0.20	U	N	CV	
7440-02-0	Nickel	40.0	U		P	
7440-09-7	Potassium	7700			P	
7782-49-2	Selenium	35.0	U		P	
7440-22-4	Silver	10.0	U	N	P	
7440-23-5	Sodium	22800			P	
7440-28-0	Thallium	25.0	U		P	
7440-62-2	Vanadium	50.0	U		P	
7440-66-6	Zinc	60 ~~17.9~~	~~J~~	U	P	~~JS~~
57-12-5	Cyanide	10.0	U		AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

3-IN
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

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			53.175	J	81.165	J	16.830	J			P
Antimony			60.000	U	60.000	U	-6.150	J			P
Arsenic			10.000	U	10.000	U	3.595	J			P
Barium			200.000	U	200.000	U	-1.630	J			P
Beryllium			5.000	U	5.000	U	-0.185	J			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			19.175	J	20.010	J	-10.625	J			P
Chromium			10.000	U	10.000	U	-1.900	J			P
Cobalt			50.000	U	50.000	U	-2.270	J			P
Copper			25.000	U	-1.090	J	-3.415	J			P
Iron			49.575	J	-51.210	J	-34.970	J			P
Lead			10.000	U	10.000	U	2.525	J			P
Magnesium			5000.000	U	10.510	J	-25.360	J			P
Manganese			1.170	J	15.000	U	15.000	U			P
Mercury			-0.122	J							CV
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			5000.000	U	5000.000	U	-35.735	J			P
Selenium			5.370	J	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	10.000	U			P
Sodium			5000.000	U	5000.000	U	1965.010	J			P
Thallium			6.955	J	5.750	J	-3.510	J			P
Vanadium			50.000	U	50.000	U	7.585	J			P
Zinc			60.000	U	60.000	U	60.000	U			P
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

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			200.000	U							P
Antimony			5.390	J							P
Arsenic			10.000	U							P
Barium			0.935	J							P
Beryllium			0.065	J							P
Cadmium			5.000	U							P
Calcium			15.795	J							P
Chromium			10.000	U							P
Cobalt			1.645	J							P
Copper			-1.610	J							P
Iron			100.000	U							P
Lead			10.000	U							P
Magnesium			24.070	J							P
Manganese			15.000	U							P
Mercury											NR
Nickel			40.000	U							P
Potassium			5000.000	U							P
Selenium			35.000	U							P
Silver			10.000	U							P
Sodium			5000.000	U							P
Thallium			-3.000	J							P
Vanadium			-1.335	J							P
Zinc			-0.720	J							P
Cyanide											NR

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

ICP-AES Instrument ID: P2 ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Aluminum	244000	248000					233000	95	233000	94
Antimony	0	585					5.7		591	101
Arsenic	0	97.0					-2.1		97.3	100
Barium	2.0	475					1.8	90	505	106
Beryllium	0	482					0.40		472	98
Cadmium	0	916					-1.6		973	106
Calcium	234000	234000					245000	105	247000	106
Chromium	36.0	506					30.5	85	484	96
Cobalt	3.0	455					3.2	107	465	102
Copper	15.0	537					12.4	83	489	91
Iron	94900	95100					88300	93	88800	93
Lead	5.0	51.0					1.6	32	47.1	92
Magnesium	249000	254000					269000	108	270000	106
Manganese	19.0	483					19.3	102	494	102
Nickel	10.0	930					12.1	121	967	104
Potassium	0	0					-1.0		21.5	
Selenium	0	51.0					-2.6		45.8	90
Silver	0	210					-0.74		217	103
Sodium	0	0					249		575	
Thallium	0	96.0					-11.2		93.6	98
Vanadium	1.0	481					3.7	370	475	99
Zinc	39.0	975					37.5	96	932	96

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

ICP-AES Instrument ID: P2 ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Aluminum	244000	248000					233000	95	235000	95
Antimony	0	585					6.1		591	101
Arsenic	0	97.0					-0.44		97.1	100
Barium	2.0	475					4.0	200	510	107
Beryllium	0	482					0.49		477	99
Cadmium	0	916					-4.8		958	105
Calcium	234000	234000					233000	100	235000	100
Chromium	36.0	506					32.4	90	504	100
Cobalt	3.0	455					4.9	163	476	105
Copper	15.0	537					13.9	93	508	95
Iron	94900	95100					91800	97	93200	98
Lead	5.0	51.0					4.2	84	52.8	104
Magnesium	249000	254000					248000	100	250000	98
Manganese	19.0	483					19.8	104	514	106
Nickel	10.0	930					11.5	115	978	105
Potassium	0	0					33.4		37.1	
Selenium	0	51.0					-4.0		47.0	92
Silver	0	210					-0.17		208	99
Sodium	0	0					778		903	
Thallium	0	96.0					-9.6		86.6	90
Vanadium	1.0	481					-0.12	-12	474	99
Zinc	39.0	975					39.2	101	1000	103

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0056S

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	4220.6050		2419.3250		2000.00	90		P
Antimony	75-125	102.6400		60.0000	U	100.00	103		P
Arsenic	75-125	58.5700		15.0200		40.00	109		P
Barium	75-125	2039.5500		64.8350	J	2000.00	99		P
Beryllium	75-125	47.7500		0.9100	J	50.00	94		P
Cadmium	75-125	49.2500		5.0000	U	50.00	99		P
Calcium									NR
Chromium	75-125	183.0850		5.8800	J	200.00	89		P
Cobalt	75-125	456.3450		3.2300	J	500.00	91		P
Copper	75-125	276.9700		36.2650		250.00	96		P
Iron		20547.7500		20081.6250		1000.00	47		P
Lead	75-125	76.8600		58.6950		20.00	91		P
Magnesium									NR
Manganese	75-125	1261.1400		829.4550		500.00	86		P
Mercury	75-125	1.6200		0.3470		1.00	127	N	CV
Nickel	75-125	480.5950		15.0600	J	500.00	93		P
Potassium									NR
Selenium	75-125	53.6450		35.0000	U	50.00	107		P
Silver	75-125	74.7600		10.0000	U	50.00	150	N	P
Sodium									NR
Thallium	75-125	48.3550		25.0000	U	50.00	97		P
Vanadium	75-125	483.5000		13.0850	J	500.00	94		P
Zinc	75-125	612.8600		149.6500		500.00	93		P
Cyanide	75-125	92.9970		10.0000	U	100.00	93		AS

Comments:

FORM VA-IN ILM05.3

USEPA - CLP

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME0056L

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Aluminum	2419.33		2723.53		13	E	P
Antimony	60.00	U	46.43	J			P
Arsenic	15.02		50.00	U	100		P
Barium	64.84	J	73.55	J	13		P
Beryllium	0.91	J	25.00	U	100		P
Cadmium	5.00	U	25.00	U			P
Calcium	343058.15		346140.40		1		P
Chromium	5.88	J	8.98	J	53		P
Cobalt	3.23	J	11.60	J	259		P
Copper	36.27		32.75	J	10		P
Iron	20081.63		23100.78		15	E	P
Lead	58.70		65.30		11		P
Magnesium	190934.39		179367.55		6		P
Manganese	829.46		951.83		15	E	P
Nickel	15.06	J	200.00	U	100		P
Potassium	8227.25		7406.88	J	10		P
Selenium	35.00	U	175.00	U			P
Silver	10.00	U	50.00	U			P
Sodium	25614.81		29044.13		13		P
Thallium	25.00	U	125.00	U			P
Vanadium	13.09	J	250.00	U	100		P
Zinc	149.65		148.03	J	1		P

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Instrument Type: P Instrument ID: P2 Date: 04/05/2004

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	200	10.6
Antimony	206.80	60	5.1
Arsenic	189.00	10	2.3
Barium	493.40	200	0.68
Beryllium	313.00	5	0.050
Cadmium	226.50	5	0.40
Calcium	317.90	5000	2.4
Chromium	267.70	10	0.71
Cobalt	228.60	50	0.57
Copper	324.70	25	1.0
Iron	271.40	100	15.7
Lead	220.40	10	1.5
Magnesium	279.00	5000	5.3
Manganese	257.60	15	0.27
Mercury		0.2	
Nickel	231.60	40	1.5
Potassium	766.50	5000	17.7
Selenium	196.00	35	5.3
Silver	328.00	10	1.3
Sodium	588.90	5000	316
Thallium	190.90	25	1.8
Vanadium	292.40	50	0.91
Zinc	206.20	60	0.55
Cyanide		10	

Comments:
P2: ICP 61E TRACE ANALYZER

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0043

Instrument Type: AS Instrument ID: CN Date: 10/17/2003

Preparation Method: DW2

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	3.8

Comments:
CN: KONELAB 200

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: ME0043 CERCLIS No: ILD005454566

Case No: 32839 Site Name/Location: US Steel Corp. Joliet Works

Contractor of EPA Lab: ChemTech Data User: IEPA

No. of Samples: 8 Date Sampled or Date Received: 5-28-04

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: 8 No. of samples received: 8

Received by: Eva M. Dixon / ESAT Date: 5-28-04

Received by LSSS: Eva M. Dixon / ESAT Date: 5-28-04

Review started: 7-1-04 Reviewer Signature: J. Gary

Total time spent on review: 8 Date review completed: 7-6-04

Copied by: Eva M. Dixon / ESAT Date: 7-6-04

Mailed to user by: Eva M. Dixon / ESAT Date: 7-6-04

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

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. Date: ____

DATE: July 6, 2004

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: US Steel Corp. Joliet Works

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Chemtech	8	ME0044	Water

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

RECEIVED
JUL 12 2004
EPA - BOL - FSRC

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

JUL 0 6 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 7/6/04

SUBJECT: **Review of Data**
Received for review on 5/28/04

FROM: **Stephen L. Ostrodka, Chief (SMF-4J)**
Superfund Field Services Section

TO: **Data User:** IEPA

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

SITE NAME: US Steel Corp. Joliet Works (IL)

CASE NUMBER: 32839 **SDG NUMBER:** ME0044

Number and Type of Samples: 8 water

Sample Numbers: ME0044, 46, 52, 54, 57, 59, 78, 81

Laboratory: Chemtech Hrs. for Review: 8

Following are our findings:

CC: Howard Pham
Region 5 TOPO
Mail Code: SRT-4J

1. HOLDING TIME:

No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standard.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the instrument detection limit (IDL) but less than or equal to the CRQL. The sample result is greater than the MDL but less than or equal to the CRQL.
Hits are qualified "U". The sample result is raised to the CRQL.

Aluminum
ME0044, ME0052, ME0078

Arsenic
ME0054, ME0057, ME0078, ME0081

Calcium
ME0059

Cobalt
ME0044, ME0052, ME0054, ME0081

The following inorganic samples are associated with a negative ICB/CCB concentration whose absolute value is greater than the instrument detection limit (IDL). The sample result is also greater than the MDL but less than or equal to the CRQL.
Hits are qualified "U". The sample result is raised to the CRQL.

Iron
ME0078, ME0081

Mercury
ME0057, ME0078

Zinc
ME0044, ME0046, ME0052, ME0054, ME0057, ME0059, ME0078, ME0081

detects are qualified "UJ". Hits greater than 10 times the ICSA are not qualified.

Silver
ME0044, ME0046

Vanadium
ME0044, ME0046

7. GFAA ANALYSIS:

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS:

The following inorganic samples have analyte concentrations reported above the method detection limit (MDL) but below the quantitation limit (CRQL).
Results are qualified "J".

Barium
ME0044, ME0046, ME0052, ME0054, ME0057, ME0078

Chromium
ME0078

Copper
ME0057

Manganese
ME0046

Nickel
ME0044, ME0054

Selenium
ME0046

Thallium
ME0054, ME0057

All data, except those qualified above, are acceptable.

Reviewed by: Stephen Connet
Date: July 6, 2004

Analytical Results (Qualified Data)

Case #: 32839 SDG : ME0044
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CHEM
Reviewer : S. CONNET
Date : 07/06/04

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	ME0044		ME0046		ME0052		ME0054		ME0057	
Sampling Location :	G103DM		G104DM		G102DM		G105DM		G101DM	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	200	U	200	U	200	U	200	U	200	U
ANTIMONY	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
ARSENIC	10.0	U	10.0	U	10.9	J+	10.0	U	10.0	U
BARIUM	38.6	J	49.0	J	60.0	J	58.2	J	29.7	J
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CALCIUM	421000		182000		97300		92800		92800	
CHROMIUM	10.0	U	10.0	U	147		61.8		10.0	U
COBALT	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
COPPER	25.0	U	25.0	U	25.0	U	25.0	U	6.6	J
IRON	2410		100	U	6610		4710		145	
LEAD	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
MAGNESIUM	258000		106000		31900		30000		31300	
MANGANESE	5890		3.2	J	425		399		157	
MERCURY	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
NICKEL	15.3	J	40.0	U	40.8		15.9	J	40.0	U
POTASSIUM	16700		20500		6310		6140		7540	
SELENIUM	35.0	U	6.6	J	35.0	U	35.0	U	35.0	U
SILVER	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ
SODIUM	25300	J	80400	J	24600	J	23900	J	29800	J
THALLIUM	25.0	U	25.0	U	11.3	J	13.1	J	25.0	U
VANADIUM	50.0	UJ	50.0	UJ	50.0	U	50.0	U	50.0	U
ZINC	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 32839
SITE: US STEEL CORP JOLIET WORKS
MATRIX: WATER
WATER SAMPLE SPK: MEC057
DATA SET: ME0044
LAB: CHEMTECH
CONC: LOW
WATER SAMPLE DUP: "
LAB QC #
REVIEWED BY: G. CONNOR
SOIL SAMPLE SPK: —
DATE: 7-6-04
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	COMMENTS
ELEMENT	HOLD TIME	INITIAL CALIB	CONTIN CALIB	CALIB BLANK	PREP WATER BLANK	PREP SOIL BLANK	ICS A ~~%R~~ %R	SOIL SPIKE %R	SOIL DUP RPD	ICS AQ	ICS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP %R	AQ SPIKE %R	BLANK	DUP RPD	BLANK	DUP RPD	
ALUMINUM				51.49																
ANTIMONY																				
ARSENIC				4.41																
BARIUM																				
BERYLLIUM																				
CADMIUM																				
CALCIUM				27.81																
CHROMIUM																				
COBALT				1.00																
COPPER																				
IRON				-27																
LEAD																				
MAGNESIUM																				
MANGANESE																				
MERCURY				-0.086																
MOLYBDENUM																				
POTASSIUM																				
SELENIUM																				
SILVER							-3.35								66.0					
SODIUM												14.3								
THALLIUM																				
TIN																				
VANADIUM							-5.97													
ZINC				-2.39																
CYANIDE																				

ICSA SAMPLES: 44, 46

CHEMTECH

Resolution 1 - In accordance with previous direction from Region 5, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for QC, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE, blank, or rinsate sample, they will contact SMO and wait for a resolution from the Region.
SMO will report that CHEM selected sample ME0074 as lab QC for SDG ME0042.

Resolution 2 - In accordance with previous direction from Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 3 - It is possible that 3 additional waters will be shipped under this Case. The sampler will notify the Region for approval once it has been determined that the samples are needed.

Resolution 4 - SMO has sent you the shipping information for this Case.

For More details Regional Resolutions, please check the attached E-mail Communication page at the end of the Data Package.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.3

G. Calculation:

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

G. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirements except for the Silver. Duplicate sample did met requirements. Serial Dilution did met requirements except for the Sodium.

I certify that the 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 hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature _____ Name: Parveen Hasan

Date 5/25/04 Title: EPA QA/QC OFFICER

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: ME0044

L

Date Shipped:	5/4/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023787
Shipped to:	ChemTech Consulting Group (CHEM) 110 Route 4 Englewood NJ 07631 (201) 568-7400

Chain of Custody Record

Sampler Signature: James M. Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 James M. Salch	5/4/04 1730	Sunny Patel	5/5/04 10:10
2			
3			
4			

For Lab Use Only

Lab Contract No:	68W02068
Unit Price:	$68.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME0058	Ground Water/ Jim Salch	L/G	CN (21), TM (21)	5-217435 (HNO3), 5-217436 (NaOH) (2)	Field Blank	S: 5/3/2004 16:40	E0058	
ME0059	Ground Water/ Jim Salch	L/G	DM (21)	5-217437 (HNO3) (1)	Field Blank DM	S: 5/3/2004 16:40		

Copy
Original Documents are included in CSF ME0043
Sunny Patel
Signature
5/5/04
Date

010

All TM/CN Samples is in SDG # ME0043

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	ME0056, ME0057		5°C	27964, 27965

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? yes Shipment Iced? yes

CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

TR Number: 5-314975591-050304-0006

LABORATORY COPY

PR provides 'minary results. Requests for preliminary results will increase analytical costs.
Send Copy ample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 P. 703/264-9348 Fax 703/264-9222

USEPA - CLP

MAY 28 2004

COVER PAGE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

SOW No.: ILM05.3

EPA SAMPLE NO.	Lab Sample ID.
ME0044	S2440-01
ME0046	S2440-02
ME0052	S2440-03
ME0054	S2440-04
ME0057	S2440-05
ME0057D	S2440-06
ME0057S	S2440-07
ME0059	S2440-08
ME0078	S2440-09
ME0081	S2440-10

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	_____
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	_____
If yes-were raw data generated before application of background corrections?	(Yes/No)	NO	_____

Comments:
The "E" qualifiers on Form I and VIII for Sodium indicate chemical or physical interference effects, which were suspected during that element's analyses only.

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 diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: PARVEEN HASAN
Date: 5/25/04 Title: EPA QA/QC OFFICER

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0046

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Matrix: (soil/water) WATER Lab Sample ID: S2440-02

Level: (low/med) LOW Date Received: 05/05/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	49.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	182000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	106000			P
7439-96-5	Manganese	3.2	J		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	20500			P
7782-49-2	Selenium	6.6	J		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	80400		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0U ~~21.8~~	~~J~~	w 7-2-04	P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN ILM05.3

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0054

b Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Matrix: (soil/water) WATER Lab Sample ID: S2440-04

Level: (low/med) LOW Date Received: 05/05/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0U ~~8.0~~	~~J~~	W 7-2-04	P
7440-39-3	Barium	58.2	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	92800			P
7440-47-3	Chromium	61.8			P
7440-48-4	Cobalt	50.0U ~~1.4~~	~~J~~	W 7-2-04	P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	4710			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	30000			P
7439-96-5	Manganese	399			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	15.9	J		P
7440-09-7	Potassium	6140			P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	23900		E	P
7440-28-0	Thallium	13.1	J		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0U ~~13.1~~	~~J~~	W 7-2-04	P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN ILM05.3

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0059

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Matrix: (soil/water) WATER Lab Sample ID: S2440-08

Level: (low/med) LOW Date Received: 05/05/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000 U ~~73.7~~	~~J~~	w 7-2-04	P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	5000	U	E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0 U ~~7.9~~	~~J~~	w 7-2-04	P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN ILM05.3

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0081

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Matrix: (soil/water) WATER Lab Sample ID: S2440-10

Level: (low/med) LOW Date Received: 05/06/2004

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0U ~~4.6~~	~~J~~	w 7-2-04	P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	78300			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0U ~~1.5~~	~~J~~	w 7-2-04	P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100U ~~35.5~~	~~J~~	w 7-2-04	P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	32000			P
7439-96-5	Manganese	16.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	8080			P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	25500		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0 ~~18.1~~	~~J~~	w 7-2-04	P
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM IA-IN ILM05.3

USEPA - CLP

3-IN
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

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			200.000	U	51.490	J	18.450	J			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			4.410	J	10.000	U	3.180	J			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	0.430	J	5.000	U			P
Calcium			7.620	J	5.920	J	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
Iron			100.000	U	100.000	U	-26.990	J			P
Lead			10.000	U	-4.190	J	-5.210	J			P
Magnesium			5000.000	U	5000.000	U	5000.000	U			P
Manganese			15.000	U	15.000	U	15.000	U			P
Mercury			-0.037	J	0.200	U					CV
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			-43.420	J	-98.780	J	-92.500	J			P
Selenium			35.000	U	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	10.000	U			P
Sodium			5000.000	U	5000.000	U	5000.000	U			P
Thallium			25.000	U	25.000	U	25.000	U			P
Vanadium			50.000	U	50.000	U	50.000	U			P
Zinc			-1.770	J	-2.390	J	-2.270	J			P
Cyanide											NR

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

ICP-AES Instrument ID: P1 ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Aluminum	244000	248000	234000	96	233000	94	230000	94	236000	95
Antimony	0	585	2.2		573	98	1.3		566	97
Arsenic	0	97.0	5.2		96.8	100	-1.0		99.0	102
Barium	2.0	475	1.8	90	547	115	1.3	65	545	115
Beryllium	0	482	0.25		450	93	-0.29		438	91
Cadmium	0	916	2.7		938	102	0.87		919	100
Calcium	234000	234000	230000	98	228000	97	228000	97	224000	96
Chromium	36.0	506	42.8	119	496	98	40.6	113	486	96
Cobalt	3.0	455	6.2	207	479	105	5.5	183	470	103
Copper	15.0	537	12.6	84	518	96	11.9	79	516	96
Iron	94900	95100	87300	92	86600	91	84900	89	84000	88
Lead	5.0	51.0	-0.055	-1	45.9	90	-1.6	-32	47.6	93
Magnesium	249000	254000	244000	98	242000	95	240000	96	242000	95
Manganese	19.0	483	21.7	114	495	102	20.5	108	483	100
Nickel	10.0	930	18.2	182	944	102	16.8	168	929	100
Potassium	0	0	63.3		61.0		-21.7		17.0	
Selenium	0	51.0	3.6		43.7	86	-0.56		46.2	91
Silver	0	210	-1.9		169	80	-1.5		191	91
Sodium	0	0	539		755		536		693	
Thallium	0	96.0	-4.7		87.4	91	14.9		96.6	101
Vanadium	1.0	481	-3.9	-390	461	96	-3.7	-370	452	94
Zinc	39.0	975	41.5	106	1080	111	39.1	100	1050	108

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

ICP-AES Instrument ID: P1 ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Aluminum	244000	248000					233000	95	237000	96
Antimony	0	585					-0.73		589	101
Arsenic	0	97.0					1.9		97.9	101
Barium	2.0	475					1.4	70	534	112
Beryllium	0	482					0.15		456	95
Cadmium	0	916					0.99		955	104
Calcium	234000	234000					229000	98	234000	100
Chromium	36.0	506					37.7	105	505	100
Cobalt	3.0	455					4.9	163	484	106
Copper	15.0	537					9.8	65	524	98
Iron	94900	95100					85600	90	87500	92
Lead	5.0	51.0					-3.0	-60	47.6	93
Magnesium	249000	254000					243000	98	247000	97
Manganese	19.0	483					17.2	91	508	105
Nickel	10.0	930					10.7	107	986	106
Potassium	0	0					-37.0		-45.7	
Selenium	0	51.0					2.8		46.0	90
Silver	0	210					-0.49		193	92
Sodium	0	0					395		469	
Thallium	0	96.0					-9.1		84.7	88
Vanadium	1.0	481					-4.7	-470	476	99
Zinc	39.0	975					37.8	97	1090	112

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0057S

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1850.7200		200.0000	U	2000.00	93		P
Antimony	75-125	91.9100		60.0000	U	100.00	92		P
Arsenic	75-125	41.1400		3.0200	J	40.00	95		P
Barium	75-125	2114.3000		29.6600	J	2000.00	104		P
Beryllium	75-125	45.0400		5.0000	U	50.00	90		P
Cadmium	75-125	48.3700		5.0000	U	50.00	97		P
Calcium									NR
Chromium	75-125	189.5600		10.0000	U	200.00	95		P
Cobalt	75-125	464.1900		50.0000	U	500.00	93		P
Copper	75-125	227.0400		6.5700	J	250.00	88		P
Iron	75-125	951.1100		145.3100		1000.00	81		P
Lead	75-125	17.0100		10.0000	U	20.00	85		P
Magnesium									NR
Manganese	75-125	628.8800		157.2100		500.00	94		P
Mercury	75-125	1.1140		0.0450	J	1.00	107		CV
Nickel	75-125	474.7800		40.0000	U	500.00	95		P
Potassium									NR
Selenium	75-125	44.7900		35.0000	U	50.00	90		P
Silver	75-125	32.9700		10.0000	U	50.00	66	N	P
Sodium									NR
Thallium	75-125	53.2500		25.0000	U	50.00	107		P
Vanadium	75-125	472.7600		50.0000	U	500.00	95		P
Zinc	75-125	522.6600		25.0800	J	500.00	100		P
Cyanide									NR

Comments:

USEPA - CLP

7-IN
LABORATORY CONTROL SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Solid LCS Source:

Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2482.0	2497.18	101						
Antimony	992.0	979.14	99						
Arsenic	996.0	985.36	99						
Barium	502.0	508.87	101						
Beryllium	493.0	484.93	98						
Cadmium	494.0	498.52	101						
Calcium	10180.0	10223.26	100						
Chromium	490.0	486.47	99						
Cobalt	496.0	487.35	98						
Copper	490.0	475.69	97						
Iron	5107.0	4621.83	90						
Lead	996.0	973.86	98						
Magnesium	6003.0	6032.98	100						
Manganese	495.0	505.18	102						
Mercury									
Nickel	492.0	496.19	101						
Potassium	10008.0	9659.15	97						
Selenium	1005.0	984.86	98						
Silver	495.0	525.88	106						
Sodium	10039.0	10137.44	101						
Thallium	1027.0	1001.92	98						
Vanadium	501.0	490.85	98						
Zinc	1000.0	1022.22	102						
Cyanide									

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Instrument Type: P Instrument ID: P1 Date: 11/26/2003

Preparation Method: HW1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	200	48.6
Antimony	206.80	60	29.8
Arsenic	189.00	10	2.9
Barium	493.40	200	21.3
Beryllium	313.00	5	1.1
Cadmium	226.50	5	1.8
Calcium	317.90	5000	33.4
Chromium	267.70	10	2.4
Cobalt	228.60	50	1.3
Copper	324.70	25	4.9
Iron	271.40	100	35.2
Lead	220.40	10	2.7
Magnesium	279.00	5000	39.3
Manganese	257.60	15	1.3
Mercury		0.2	
Nickel	231.60	40	4.9
Potassium	766.50	5000	595
Selenium	196.00	35	5.6
Silver	328.00	10	4.9
Sodium	588.90	5000	400
Thallium	190.90	25	11.0
Vanadium	292.40	50	1.6
Zinc	206.20	60	3.2
Cyanide		10	

Comments:
P1: ICP 61E TRACE ANALYZER

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 32839 SAS No. SDG No.: ME0044

Instrument Type: CV Instrument ID: CV Date: 02/21/2004

Preparation Method: CW1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury	253.70	0.2	0.020
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide		10	

Comments:
CV: LEEMAN PS200 HG ANALYZER
LEEMAN HG ANALYZER

DATE: June 29, 2004

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: US Steel Corp. Joliet Works

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32934	Compuchem	8	E0098	Water

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

RECEIVED
JUL 0 2 2004
IEPA - BOL - FSRS

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

JUN 2 9 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:_____

SUBJECT: Review of Data
Received for Review on June 15, 2004

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

Site name: US Steel Corp. Joliet Works (IL)

Case number: 32934 SDG Number: E0098

Number and Type of Samples: 8 water samples

Sample Numbers: E0098, E00A1, E00A2, E00A6, E00B7, E00B8, E00C0, E00C3

Laboratory: Compuchem Hrs. for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SM-5J

Laboratory: **Compuchem**
Site Name: **US Steel Corp. Joliet Works (IL)**

Case Number : **32934**
SDG Number: **E0098**

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

Eight water samples (E0098, E00A1, E00A2, E00A6, E00B7, E00B8, E00C0, E00C3) were collected on 05/24-25/2004 and received on 05/26/2004 in good condition. Sample E00B8 was analyzed only for the list of Volatile analytes. The remaining samples were analyzed for the full list of organic analytes. All samples were analyzed according to CLP SOW OLM04.3.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: June 29, 2004

Laboratory: **Compuchem**
Site Name: **US Steel Corp. Joliet Works (IL)**

Case Number : **32934**
SDG Number: **E0098**

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were 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".

Chloroethane, Bromoform
E00B8, E00C3, VBLKAH

Acetone
E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00B8, E00C0, E00C3, VBLKAH, VBLKHA

2-Butanone
E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00C0, VBLKHA

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 flagged "UJ".

Benzaldehyde
E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00B7, E00C0, E00C3, SBLKNF

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".

Benzaldehyde
E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00B7, E00C0, E00C3, SBLKNF

4. METHOD BLANKS

The following volatile 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 elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride
E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00B7, E00C0

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems were found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit but equal to or less than 100%. Hits and non-detects for the outlier compounds in the unspiked sample E0098 are not flagged.

E0098MS, E0098MSD
4-Nitrophenol

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit. Sample results for the outlier compounds in the unspiked sample E0098 are estimated "J" and non-detects are not flagged.

E0098MS
Pentachlorophenol

7. FIELD BLANK AND FIELD DUPLICATE

Sample E00B8 was identified as the trip blank and sample E00C3 was identified as field blank. None of the samples were identified as the field duplicates. The results for the trip blank and field blank are summarized in the following table:

Analytes dilution factor =	E00B8 (TB) 1.0	E00C3 (FB) 1.0
Methylene chloride	3 µg/L	6 µg/L
VOA TICs	ND	2
bis(2-ethylhexyl)phthalate	NA	6 µg/L

Results are not qualified based upon the results of the QC blanks.

8. INTERNAL STANDARDS

No problems were found for this qualification.

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".

E00B8, E00C3, VBLKHA, VBLKHB
Methylene Chloride

E00A6
Carbon Disulfide, Benzene, Methylcyclohexane, Toluene, Ethylbenzene, Isopropylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene

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

E0098MSD, E00A2, E00B7, E00C0, E00C3
bis(2-Ethylhexyl)phthalate

E00A6
Acenaphthene, Fluorene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(a)pyrene

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

E0098MS
4,4-DDD

E00A6
beta-BHC, Heptachlor, Heptachlor epoxide

The following pesticide samples have analytes for which the percent difference between columns results exceeds primary criteria. Hits are qualified "J".

E00A6
beta-BHC, Heptachlor, Heptachlor epoxide

Laboratory: **Compuchem**
Site Name: **US Steel Corp. Joliet Works (IL)**

Case Number : **32934**
SDG Number: **E0098**

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

The Pentachlorophenol result for SVOA sample E0098MS was quantitated outside the calibration range. No further dilutions were analyzed or qualifications are needed since these samples were used for QC purposes only.

The following semivolatile sample had a semivolatile target analyte reported as a SV Tentatively Identified Compound (TIC). Hits for these compounds in the affected semivolatile sample should be qualified "J" and non-detects flagged "UJ".

2-Methylnaphthalene	Cas No. 91-57-6	E00A6

Not all TIC results were reported for SVOA sample E00A6 on the CADRE TIC report. CADRE did not report any of the TICs whose CAS Numbers corresponded to target analytes. Please, refer to Forms I SV-TIC for the complete list of the TICs detected for SVOA sample E00A6.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: June 29, 2004

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.
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.

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0098
Sample Type:	Spike Original		
Lab ID:	LIBRTY	Location:	G109
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	LABORATORY ARTIFACT	17.86	8	J
	LABORATORY ARTIFACT	19.34	12	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00A1
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G110
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00A1
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G110
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
21400259	1-PROPENE, 1,1,2-TRICHLORO-	6.91	6	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00A2
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G110A
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	LABORATORY ARTIFACT	14.09	6	J

Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00A2
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G110A
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	6.74	2	J
	UNKNOWN AMIDE	21.66	10	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00A6
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G112
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	BRANCHED ALKANE	15.80	6	J
	STRAIGHT-CHAIN ALKANE	17.39	29	J
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	17.51	72	NJ
1587048	BENZENE, 1-METHYL-2-(2-PROPENYL)-	17.65	120	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	17.88	76	NJ
	UNKNOWN	17.98	110	J
2039896	BENZENE, 2-ETHENYL-1,4-DIMETHYL-	18.14	120	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	18.29	240	NJ
	SUBSTITUTED BENZENE	18.45	88	J
	SUBSTITUTED NAPHTHALENE	18.54	170	J
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	18.69	150	NJ
275514	AZULENE	18.91	250	NJ
	SUBSTITUTED BENZENE	18.99	93	J
	CYCLIC ALKANE	19.09	74	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	19.19	96	NJ
	CYCLIC ALKANE	19.27	150	J
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	19.40	91	NJ
	SUBSTITUTED BENZENE	19.41	140	J
	UNKNOWN	19.58	89	J
	UNKNOWN	19.61	100	J
	CYCLIC ALKANE	19.70	89	J
	SUBSTITUTED NAPHTHALENE	19.79	120	J
	UNKNOWN	19.85	92	J
	SUBSTITUTED NAPHTHALENE	19.96	120	J
90120	NAPHTHALENE, 1-METHYL-	20.07	340	NJ
	UNKNOWN	20.22	95	J
90120	NAPHTHALENE, 1-METHYL-	20.32	340	NJ
	UNKNOWN	20.53	150	J
	STRAIGHT-CHAIN ALKANE	20.64	90	J
4175546	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-1,4-DIME	20.90	120	NJ
1127760	NAPHTHALENE, 1-ETHYL-	21.28	140	NJ
	SUBSTITUTED NAPHTHALENE	21.33	75	J
575371	NAPHTHALENE, 1,7-DIMETHYL-	21.45	200	NJ
581408	NAPHTHALENE, 2,3-DIMETHYL-	21.69	170	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	21.75	110	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00A6
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G112
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
1127760	NAPHTHALENE, 1-ETHYL-	13.82	81	NJD
581420	NAPHTHALENE, 2,6-DIMETHYL-	13.98	140	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	14.18	180	NJD
581420	NAPHTHALENE, 2,6-DIMETHYL-	14.22	110	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	14.44	76	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	14.63	55	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	15.23	66	NJD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	15.50	60	NJD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	15.56	77	NJD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	15.77	67	NJD
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	15.97	67	NJD
	UNKNOWN	16.39	55	J
2523377	9H-FLUORENE, 9-METHYL-	16.47	65	NJD
	UNKNOWN	16.96	56	JD
	UNKNOWN	17.38	74	JD
1730376	9H-FLUORENE, 1-METHYL-	17.62	71	NJD
16587523	DIBENZOTHIOPHENE, 3-METHYL-	18.93	62	NJD
613127	ANTHRACENE, 2-METHYL-	19.24	150	NJD
779022	ANTHRACENE, 9-METHYL-	19.28	110	NJD
	UNKNOWN	19.34	51	J
613127	ANTHRACENE, 2-METHYL-	19.42	100	NJD
779022	ANTHRACENE, 9-METHYL-	19.46	81	NJD
3674666	PHENANTHRENE, 2,5-DIMETHYL-	19.97	77	NJD
376676	PHENANTHRENE, 3,6-DIMETHYL-	20.03	76	NJD
3674666	PHENANTHRENE, 2,5-DIMETHYL-	20.16	150	NJD
	UNKNOWN	20.20	110	JD
	UNKNOWN	20.29	58	JD
217594	TRIPHENYLENE	22.39	57	NJD
1705857	CHRYSENE, 6-METHYL-	22.95	55	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00B7
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G108
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	LABORATORY ARTIFACT	18.98	74	JB

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00B7
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G108
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	20.62	3	J
	UNKNOWN	21.65	2	J
	UNKNOWN	21.68	3	J
	UNKNOWN	21.92	7	J
	UNKNOWN ALCOHOL	23.11	4	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00B8
Sample Type:	Field Blank		
Lab ID:	LIBRTY	Location:	TB
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00C0
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G111
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00C0
Sample Type:	Routine Sample		
Lab ID:	LIBRTY	Location:	G111
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	23.63	6	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00C3
Sample Type:	Field Blank		
Lab ID:	LIBRTY	Location:	FB
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	LABORATORY ARTIFACT	18.85	18	J
	LABORATORY ARTIFACT	20.66	21	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E00C3
Sample Type:	Field Blank		
Lab ID:	LIBRTY	Location:	FB
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	SBLKNF
Sample Type:	Method Blank		
Lab ID:	LIBRTY	Location:	
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	6.91	3	J
	UNKNOWN AMIDE	23.63	5	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKAH
Sample Type:	Method Blank		
Lab ID:	LIBRTY	Location:	
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	LABORATORY ARTIFACT	17.52	8	J
	UNKNOWN	18.02	7	J
	UNKNOWN	18.04	8	J
	BRANCHED ALKANE	18.05	19	J
	STRAIGHT-CHAIN ALKANE	18.14	11	J
	LABORATORY ARTIFACT	18.98	17	J
	LABORATORY ARTIFACT	20.78	14	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKHA
Sample Type:	Method Blank		
Lab ID:	LIBRTY	Location:	
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
541059	CYCLOTRISILOXANE, HEXAMETHYL-	14.05	6	NJ
	LABORATORY ARTIFACT	18.96	19	J
	LABORATORY ARTIFACT	20.79	23	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKHB
Sample Type:	Method Blank		
Lab ID:	LIBRTY	Location:	
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	LABORATORY ARTIFACT	17.46	6	J
	LABORATORY ARTIFACT	18.92	13	J
	LABORATORY ARTIFACT	20.72	9	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VHBLKXD
Sample Type:	Storage Blank		
Lab ID:	LIBRTY	Location:	
Case No.:	32934	Matrix/Level:	Water/Low
SDG No.:	E0098	File Name:	E0098

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 32934 SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00A1		E00A2		E00A6		E00B7		E00B8	
Sampling Location :	G110		G110A		G112		G108		TB	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		15:55		18:35		10:05		11:55	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	U
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	U	10	U	10	U	10	UJ
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	U
ACETONE	10	UJ	10	UJ	10	UJ	10	U	10	UJ
CARBON DISULFIDE	10	U	10	U	0.7	J	10	U	10	U
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	10	U	10	U	10	U	10	U	3	J
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
2-BUTANONE	10	UJ	10	UJ	10	UJ	10	U	10	U
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	U	10	U	4	J	10	U	10	U
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	10	U	1	J	10	U	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	U
TOLUENE	10	U	10	U	0.9	J	10	U	10	U
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32934
SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00A1		E00A2		E00A6		E00B7		E00B8	
Sampling Location :	G110		G110A		G112		G108		TB	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		15:55		18:35		10:05		11:55	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
ETHYLBENZENE	10	U	10	U	2	J	10	U	10	U
XYLENES (TOTAL)	10	U	10	U	10		10	U	10	U
STYRENE	10	U	10	U	10	U	10	U	10	U
BROMOFORM	10	U	10	U	10	U	10	U	10	UJ
ISOPROPYLBENZENE	10	U	10	U	2	J	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	10	U	10	U	0.2	J	10	U	10	U
1,4-DICHLOROBENZENE	10	U	10	U	0.2	J	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	U	0.3	J	10	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32934 SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00C0		E00C3		E0098		E0098MS		E0098MSD	
Sampling Location :	G111		FB		G109		G109		G109	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/25/2004		5/24/2004		5/24/2004		5/24/2004	
Time Sampled :	12:25		15:30		13:45		13:45		13:45	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	U
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	UJ	10	U	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	10	U	44		47	
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	U
ACETONE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	10	U	6	J	10	U	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
-BUTANONE	10	UJ	10	U	10	UJ	10	UJ	10	UJ
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	U	10	U	10	U	49		50	
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	10	U	48		48	
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	U
TOLUENE	10	U	10	U	10	U	48		47	
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32934 SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00C0		E00C3		E0098		E0098MS		E0098MSD	
Sampling Location :	G111		FB		G109		G109		G109	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/25/2004		5/24/2004		5/24/2004		5/24/2004	
Time Sampled :	12:25		15:30		13:45		13:45		13:45	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	10	U	10	U	10	U	48		49	
ETHYLBENZENE	10	U	10	U	10	U	10	U	10	U
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
STYRENE	10	U	10	U	10	U	10	U	10	U
BROMOFORM	10	U	10	UJ	10	U	10	U	10	U
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32934
Site :
Lab. :
Reviewer :
Date :

SDG : E0098
U.S. STEEL CORP JOLIET WORKS
COMPUCHEM
S. Tobin
06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	VBLKAH		VBLKHA		VBLKHB		VHBLKXD			
Sampling Location :										
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U	10	U	10	U		
CHLOROMETHANE	10	U	10	U	10	U	10	U		
VINYL CHLORIDE	10	U	10	U	10	U	10	U		
BROMOMETHANE	10	U	10	U	10	U	10	U		
CHLOROETHANE	10	UJ	10	U	10	U	10	U		
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U		
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U		
ACETONE	10	UJ	10	UJ	10	U	10	U		
CARBON DISULFIDE	10	U	10	U	10	U	10	U		
METHYL ACETATE	10	U	10	U	10	U	10	U		
METHYLENE CHLORIDE	10	U	5	J	4	J	10	U		
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U		
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U		
S-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U		
BUTANONE	10	U	10	UJ	10	U	10	U		
CHLOROFORM	10	U	10	U	10	U	10	U		
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
CYCLOHEXANE	10	U	10	U	10	U	10	U		
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U		
BENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U		
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U		
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U		
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U		
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U		
TOLUENE	10	U	10	U	10	U	10	U		
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U		
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U		
TETRACHLOROETHENE	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 32934
Site :
Lab. :
Reviewer :
Date :

SDG : E0098
U.S. STEEL CORP JOLIET WORKS
COMPUCHEM
S. Tobin
06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	VBLKAH		VBLKHA		VBLKHB		VHBLKXD			
Sampling Location :										
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U		
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U		
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U		
CHLOROBENZENE	10	U	10	U	10	U	10	U		
ETHYLBENZENE	10	U	10	U	10	U	10	U		
XYLENES (TOTAL)	10	U	10	U	10	U	10	U		
STYRENE	10	U	10	U	10	U	10	U		
BROMOFORM	10	UJ	10	U	10	U	10	U		
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U		
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U		
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U		
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U	10	U	10	U		
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 32934 SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00A1		E00A2		E00A6		E00B7		E00C0	
Sampling Location :	G110		G110A		G112		G108		G111	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		15:55		18:35		10:05		12:25	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		5.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	UJ	10	UJ	50	UJ	10	UJ	10	UJ
PHENOL	10	U	10	U	50	U	10	U	10	U
BIS-(2-CHLOROETHYL)ETHER	10	U	10	U	50	U	10	U	10	U
2-CHLOROPHENOL	10	U	10	U	50	U	10	U	10	U
2-METHYLPHENOL	10	U	10	U	50	U	10	U	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	U	10	U	50	U	10	U	10	U
ACETOPHENONE	10	U	10	U	50	U	10	U	10	U
4-METHYLPHENOL	10	U	10	U	50	U	10	U	10	U
N-NITROSO-DI-N PROPYLAMINE	10	U	10	U	50	U	10	U	10	U
HEXACHLOROETHANE	10	U	10	U	50	U	10	U	10	U
NITROBENZENE	10	U	10	U	50	U	10	U	10	U
ISOPHORONE	10	U	10	U	50	U	10	U	10	U
2-NITROPHENOL	10	U	10	U	50	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	U	50	U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE	10	U	10	U	50	U	10	U	10	U
2,4-DICHLOROPHENOL	10	U	10	U	50	U	10	U	10	U
IAPHTHALENE	10	U	10	U	110		10	U	10	U
4-CHLOROANILINE	10	U	10	U	50	U	10	U	10	U
HEXACHLOROBUTADIENE	10	U	10	U	50	U	10	U	10	U
CAPROLACTAM	10	U	10	U	50	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	50	U	10	U	10	U
2-METHYLNAPHTHALENE	10	U	10	U	230	J	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	U	10	U	50	U	10	U	10	U
2,4,6-TRICHLOROPHENOL	10	U	10	U	50	U	10	U	10	U
2,4,5-TRICHLOROPHENOL	25	U	25	U	130	U	25	U	25	U
1,1'-BIPHENYL	10	U	10	U	50	U	10	U	10	U
2-CHLORONAPHTHALENE	10	U	10	U	50	U	10	U	10	U
2-NITROANILINE	25	U	25	U	130	U	25	U	25	U
DIMETHYLPHTHALATE	10	U	10	U	50	U	10	U	10	U
2,6-DINITROTOLUENE	10	U	10	U	50	U	10	U	10	U
ACENAPHTHYLENE	10	U	10	U	50	U	10	U	10	U
3-NITROANILINE	25	U	25	U	130	U	25	U	25	U
ACENAPHTHENE	10	U	10	U	24	J	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32934 SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00A1		E00A2		E00A6		E00B7		E00C0	
Sampling Location :	G110		G110A		G112		G108		G111	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		15:55		18:35		10:05		12:25	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		5.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	U	25	U	130	U	25	U	25	U
4-NITROPHENOL	25	U	25	U	130	U	25	U	25	U
DIBENZOFURAN	10	U	10	U	50	U	10	U	10	U
2,4-DINITROTOLUENE	10	U	10	U	50	U	10	U	10	U
DIETHYLPHTHALATE	10	U	10	U	50	U	10	U	10	U
FLUORENE	10	U	10	U	40	J	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	50	U	10	U	10	U
4-NITROANILINE	25	U	25	U	130	U	25	U	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U	130	U	25	U	25	U
N-NITROSO DIPHENYLAMINE	10	U	10	U	50	U	10	U	10	U
4-BROMOPHENYL-PHENYLETHER	10	U	10	U	50	U	10	U	10	U
HEXACHLOROBENZENE	10	U	10	U	50	U	10	U	10	U
ATRAZINE	10	U	10	U	50	U	10	U	10	U
PENTACHLOROPHENOL	25	U	25	U	130	U	25	U	25	U
PHENANTHRENE	10	U	10	U	130		10	U	10	U
ANTHRACENE	10	U	10	U	22	J	10	U	10	U
CARBAZOLE	10	U	10	U	50	U	10	U	10	U
DI-N-BUTYLPHTHALATE	10	U	10	U	50	U	10	U	10	U
FLUORANTHENE	10	U	10	U	16	J	10	U	10	U
PYRENE	10	U	10	U	66		10	U	10	U
BUTYLBENZYLPHTHALATE	10	U	10	U	50	U	10	U	10	U
3,3'-DICHLOROBENZIDINE	10	U	10	U	50	U	10	U	10	U
BENZO(A)ANTHRACENE	10	U	10	U	25	J	10	U	10	U
CHRYSENE	10	U	10	U	39	J	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	10		8	J	50	U	5	J	3	J
DI-N-OCTYLPHTHALATE	10	U	10	U	50	U	10	U	10	U
BENZO(B)FLUORANTHENE	10	U	10	U	50	U	10	U	10	U
BENZO(K)FLUORANTHENE	10	U	10	U	50	U	10	U	10	U
BENZO(A)PYRENE	10	U	10	U	15	J	10	U	10	U
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	50	U	10	U	10	U
DIBENZO(A,H)-ANTHRACENE	10	U	10	U	50	U	10	U	10	U
BENZO(G,H,I)PERYLENE	10	U	10	U	50	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32934 SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00C3		E0098		E0098MS		E0098MSD		SBLKNF	
Sampling Location :	FB		G109		G109		G109			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/24/2004		5/24/2004		5/24/2004			
Time Sampled :	15:30		13:45		13:45		13:45			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
PHENOL	10	U	10	U	60		55		10	U
BIS-(2-CHLOROETHYL)ETHER	10	U	10	U	10	U	10	U	10	U
2-CHLOROPHENOL	10	U	10	U	60		55		10	U
2-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	U	10	U	10	U	10	U	10	U
ACETOPHENONE	10	U	10	U	10	U	10	U	10	U
4-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
N-NITROSO-DI-N PROPYLAMINE	10	U	10	U	49		45		10	U
HEXACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
NITROBENZENE	10	U	10	U	10	U	10	U	10	U
ISOPHORONE	10	U	10	U	10	U	10	U	10	U
2-NITROPHENOL	10	U	10	U	10	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	U	10	U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE	10	U	10	U	10	U	10	U	10	U
2,4-DICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
APHTHALENE	10	U	10	U	10	U	10	U	10	U
4-CHLOROANILINE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBUTADIENE	10	U	10	U	10	U	10	U	10	U
CAPROLACTAM	10	U	10	U	10	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	69		58		10	U
2-METHYLNAPHTHALENE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	U	10	U	10	U	10	U	10	U
2,4,6-TRICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
2,4,5-TRICHLOROPHENOL	25	U	25	U	25	U	25	U	25	U
1,1'-BIPHENYL	10	U	10	U	10	U	10	U	10	U
2-CHLORONAPHTHALENE	10	U	10	U	10	U	10	U	10	U
2-NITROANILINE	25	U	25	U	25	U	25	U	25	U
DIMETHYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
2,6-DINITROTOLUENE	10	U	10	U	10	U	10	U	10	U
ACENAPHTHYLENE	10	U	10	U	10	U	10	U	10	U
3-NITROANILINE	25	U	25	U	25	U	25	U	25	U
ACENAPHTHENE	10	U	10	U	51		42		10	U

Analytical Results (Qualified Data)

Case #: 32934
SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00C3		E0098		E0098MS		E0098MSD		SBLKNF	
Sampling Location :	FB		G109		G109		G109			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/24/2004		5/24/2004		5/24/2004			
Time Sampled :	15:30		13:45		13:45		13:45			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	U	25	U	25	U	25	U	25	U
4-NITROPHENOL	25	U	25	U	75		67		25	U
DIBENZOFURAN	10	U	10	U	10	U	10	U	10	U
2,4-DINITROTOLUENE	10	U	10	U	48		43		10	U
DIETHYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
FLUORENE	10	U	10	U	10	U	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	10	U	10	U	10	U
4-NITROANILINE	25	U	25	U	25	U	25	U	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U	25	U	25	U	25	U
N-NITROSO DIPHENYLAMINE	10	U	10	U	10	U	10	U	10	U
4-BROMOPHENYL-PHENYLETHER	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
ATRAZINE	10	U	10	U	10	U	10	U	10	U
PENTACHLOROPHENOL	25	U	25	U	81		68		25	U
PHENANTHRENE	10	U	10	U	10	U	10	U	10	U
ANTHRACENE	10	U	10	U	10	U	10	U	10	U
CARBAZOLE	10	U	10	U	10	U	10	U	10	U
DI-N-BUTYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
PYRENE	10	U	10	U	44		35		10	U
BUTYLBENZYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
3,3'-DICHLOROBENZIDINE	10	U	10	U	10	U	10	U	10	U
BENZO(A)ANTHRACENE	10	U	10	U	10	U	10	U	10	U
CHRYSENE	10	U	10	U	10	U	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	6	J	10	U	10	U	7	J	10	U
DI-N-OCTYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
BENZO(B)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
BENZO(K)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
BENZO(A)PYRENE	10	U	10	U	10	U	10	U	10	U
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	10	U	10	U	10	U
DIBENZO(A,H)-ANTHRACENE	10	U	10	U	10	U	10	U	10	U
BENZO(G,H,I)PERYLENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32934
Site :
Lab. :
Reviewer :
Date :

SDG : E0098
U.S. STEEL CORP JOLIET WORKS
COMPUCHEM
S. Tobin
06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00A1		E00A2		E00A6		E00B7		E00C0	
Sampling Location :	G110		G110A		G112		G108		G111	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/24/2004		5/24/2004		5/24/2004		5/25/2004		5/25/2004	
Time Sampled :	15:55		15:55		18:35		10:05		12:25	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
BETA-BHC	0.050	U	0.050	U	0.021	J	0.050	U	0.050	U
DELTA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HEPTACHLOR	0.050	U	0.050	U	0.018	J	0.050	U	0.050	U
ALDRIN	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HEPTACHLOR EPOXIDE	0.050	U	0.050	U	0.019	J	0.050	U	0.050	U
ENDOSU1FAN I	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DIELDRIN	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDOSULFAN II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
METHOXYCHLOR	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
ENDRIN KETONE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
TOXAPHENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
AROCLOR-1016	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
AROCLOR-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1242	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1254	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1260	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Analytical Results (Qualified Data)

Case #: 32934 SDG : E0098
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : COMPUCHEM
Reviewer : S. Tobin
Date : 06-28-2004

Number of Soil Samples : 0
Number of Water Samples : 8

Sample Number :	E00C3		E0098		E0098MS		E0098MSD		PBLKNO	
Sampling Location :	FB		G109		G109		G109			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/25/2004		5/24/2004		5/24/2004		5/24/2004			
Time Sampled :	15:30		13:45		13:45		13:45			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
BETA-BHC	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
DELTA-BHC	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	U	0.42		0.47		0.050	U
HEPTACHLOR	0.050	U	0.050	U	0.41		0.46		0.050	U
ALDRIN	0.050	U	0.050	U	0.41		0.45		0.050	U
HEPTACHLOR EPOXIDE	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
ENDOSU1FAN I	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
DIELDRIN	0.10	U	0.10	U	0.87		1.0		0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
ENDRIN	0.10	U	0.10	U	0.96		1.1		0.10	U
ENDOSULFAN II	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.029	J	0.20	U	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.82		0.94		0.10	U
METHOXYCHLOR	0.50	U	0.50	U	0.50	U	1.0	U	0.50	U
ENDRIN KETONE	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.20	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
GAMMA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.10	U	0.050	U
TOXAPHENE	5.0	U	5.0	U	5.0	U	10	U	5.0	U
AROCLOR-1016	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	4.0	U	2.0	U
AROCLOR-1232	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
AROCLOR-1242	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
AROCLOR-1248	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
AROCLOR-1254	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U
AROCLOR-1260	1.0	U	1.0	U	1.0	U	2.0	U	1.0	U

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 6-15-04

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: US STEEL Corp. JOLIET WORKS (IL)

CASE NUMBER: 32934 SDG NUMBER: E0098

Number and Type of Samples: 8 (WATER)

Sample Numbers: E0098, E00A1-2, E00A6, E00B7-8, E00C0, E00C3

Laboratory: Chemtech Hrs for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SM-5J

CompuChem
a division of Liberty Analytical Corp.

ORIGINAL

Sample Delivery Group (SDG)
Cover Sheet

SDG Number E0098

Laboratory Name CompuChem

Laboratory Code LIBRTY

Contract No. 68W03021

Case No. 32934

Analysis Price $415.00

SDG Turnaround 21

EPA Sample Numbers in SDG (Listed in Numerical Order)

1)	E0098	7)	E00C0	13)		19)	
2)	E00A1	8)	E00C3	14)		20)	
3)	E00A2	9)		15)		21)	
4)	E00A6	10)		16)		22)	
5)	E00B7	11)		17)		23)	
6)	E00B8	12)		18)		24)	

E0098
First Sample in SDG

E00C3
Last Sample in SDG

05/26/04
First Sample Receipt Date

05/26/04
Last Sample Receipt Date

Note: There are a maximum of 20 **field** samples (excluding PE samples in an SDG. Attach TRs to this form in alphanumeric order (the order listed above on this form).

Signature Alice Evans

Date 05/26/04

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32934
DAS No:
SDG No: E0098, E00C1 L

Date Shipped:	5/25/2004
Carrier Name:	UPS
Airbill:	1z6215892210024937
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
[signature]	5/25/04 1730	[signature]	5.26.04 920
2			
3			
4			

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No:	68W03021
Unit Price:	415.00
Transfer To:	
Lab Contract No:	
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0098 ✓	Ground Water/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-277457, 5-277458, 5-277459, 5-277460, 5-277461, 5-277462, 5-277463 (HCL), 5-277464 (HCL), 5-277465 (HCL), 5-277466 (HCL), 5-277467 (HCL), 5-277468 (HCL) (12)	G109	S: 5/24/2004	13:45	ME0098	Good
E00A1 ✓	Ground Water/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-277473 (Ice Only), 5-277474 (Ice Only), 5-277475 (HCL), 5-277476 (4)	G110	S: 5/24/2004	15:55	ME00A1	
E00A2 ✓	Ground Water/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-277479 (Ice Only), 5-277480 (Ice Only), 5-277481 (HCL), 5-277482 (HCL) (4)	G110A	S: 5/24/2004	15:55	ME00A2	
E00A6 ✓	Ground Water/ Paul Mason	M/G	BNA/PEST (21), VOA (21)	5-277487, 5-277488 (HCL), 5-277489 (HCL) (3)	G112	S: 5/24/2004	18:35	ME00A6	
E00B7 ✓	Ground Water/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-277494, 5-277495, 5-277496, 5-277497 (4)	G108	S: 5/25/2004	10:05	ME00B7	
E00B8 ✓	Ground Water/ Paul Mason	L/G	VOA (21)	5-277499, 5-277500 (2)	TB	S: 5/25/2004	11:55		
E00C0 ✓	Ground Water/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-277641, 5-277642, 5-277643 (HCL), 5-277644 (HCL) (4)	G111	S: 5/25/2004	12:25	ME00C0	
E00C1	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277635 (1)	X155	S: 5/25/2004	13:40	ME00C1	

Did not rec. containers with tags # 5-277460, 461, 462 > 1/2 gal ambers

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF- E0098
SIGNATURE [signature] DATE 6.08.04

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2.1, 2.2, 3.4, 4.1	Chain of Custody Seal Number: 22673 - 22678 ~~20015 - 20020~~ MLW
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-314975591-052504-0003

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

EPA

Case No: 32934 E00C8
DAS No:
SDG No: E0098, E00C1 L

Date Shipped:	5/25/2004
Carrier Name:	UPS
Airbill:	1z6215892210024937
Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
[signature]	5/25/04 1730	Joan Purdie	5.26.04 920
2			
3			
4			

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No:	68W0302F
Unit Price:	415.00
Transfer To:	
Lab Contract No:	
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00C2	Ground Water/ Paul Mason	L/G	BNA/PEST (21)	5-277646, 5-277647, 5-277648 (3)	G109A	S: 5/25/2004	15:00		Good
E00C3 ✓	Ground Water/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-277650, 5-277651, 5-277652 (HCL), 5-277653 (HCL) (4)	FB	S: 5/25/2004	15:30	ME00C3	[illegible] sample
E00C4	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277657 (1)	X159	S: 5/25/2004	12:30	ME00C4	
E00C5	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277661 (1)	X154	S: 5/25/2004	15:10	ME00C5	
E00C6	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277665 (1)	X157	S: 5/25/2004	13:30	ME00C6	
E00C7	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277669 (1)	X158	S: 5/25/2004	16:50	ME00C7	
E00C8	Soil/Sediment/ Ken Corkill	L/G	VOA (21)	5-277673 (1)	X149	S: 5/25/2004	16:30	ME00C8	

COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF- E0098
SIGNATURE J. Purdie DATE 6.08.04

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2.1, 2.2, 3.4, 4.1	Chain of Custody Seal Number: 22673-22678 ~~20015 20026~~ MEW
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-314975591-052504-0003

PR provides [illegible]inary results. Requests for preliminary results will increase analytical costs.
Send Copy t[illegible]ample Management Office, 2000 Edmund Halley Dr., Reston, VA 20191-3400 Phc [illegible]03/264-9348 Fax 703/264-9222

JUN 1 5 2004

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
CASE #32934
SDG #E0098
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: E0098, E0098MS, E0098MSD, E00A1, E00A2, E00A6, E00B7, E00B8, E00C0, E00C3, VHBLKXD

The eight water samples listed above (not including the matrix spikes and storage blank) were received properly refrigerated at temperatures ranging from 2.1 to 4.1°C, with proper documentation, in sealed shipping containers, on May 26, 2004. The samples were scheduled for the requested analyses of the GC/MS Volatiles, GC/MS Semivolatiles and Pesticide/PCB fractions. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the GC/MS Volatiles fraction only. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #E0098 are included in the sample data section.

Volatiles

Analysis holding time requirements were met for all of these samples with the exception of E00B7. This sample was analyzed two days outside of the 10-day hold time due to an instrument malfunction during the first analysis.

Xylenes were identified above the Contract Required Quantitation Limit (CRQL) in sample E00A6. There were between one and three Tentatively Identified Compounds (TIC) identified in each of the samples except for E00A6, which had 30 TICs reported. Alkanes are listed on the attached Alkane Narrative Report.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG. There were no manual quantitations performed on any of the samples.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of these samples. All of the internal standards (ISs) met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. Method blank VBLKHA contained Methylene chloride at an acceptable level below the CRQL and three TICs. Method blank VBLKAH contained five TICs. Method blank VBLKHB contained Methylene chloride at an acceptable level below the CRQL and three TICs. Any positive detection for these compounds in the samples and/or QC samples associated with these blanks has been flagged with a "B". The storage blank contained no Target Compound List (TCL) analytes above the Quantitation Limits.

Sample E0098 was used as the original to prepare the duplicate matrix spikes (MS/MSD) as requested. The associated duplicate matrix spikes met all recovery and precision criteria.

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 diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Kerry S. Hinshaw

Kerry S. Hinshaw
Organic Senior Scientist
June 11, 2004

ALKANE NARRATIVE REPORT
Report date : 06/11/2004
SDG: E0098

Client Sample ID: E00A6 Lab Sample ID: 311704 File ID: 311704A55

Compound	RT	Est. Conc.	Q
Branched Alkane	15.80	6	J
Straight-Chain Alkane	17.39	29	J
Cyclic Alkane	19.09	74	J
Cyclic Alkane	19.27	150	J
Cyclic Alkane	19.70	89	J
Straight-Chain Alkane	20.64	90	J

Client Sample ID: VBLKAH Lab Sample ID: 34208R File ID: 34208B55

Compound	RT	Est. Conc.	Q
Branched Alkane	18.05	19	J
Straight-Chain Alkane	18.14	11	J

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A division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE

CASE # 32934
SDG # E0098
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS: E0098, E00A1, E00A2, E00A6, E00B7, E00C0, E00C3

The seven aqueous samples listed above scheduled for the requested analysis of the semivolatile fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the semivolatile fraction only. All pertinent quality assurance notices are included in the narrative section for Case # 32934, SDG # E0098.

Extraction and analysis holding time requirements were met for all of these samples. There were Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in two of these samples. Tentatively Identified Compounds (TICs) were found in six of these samples. The TICs that were found in these samples could be characterized as substituted naphthalenes, amides, trichloropropene and unknowns.

Manual quantitations were performed on one or more of the process files associated with this SDG, including E0098, E00A1, E00A2, E00A6, and E00B7. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated with this SDG. Overall quality control criteria were met for all initial and continuing calibration standards associated to this SDG. All surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples. The associated method blank met all quality control criteria. TICs were found in this method blank. E0098 was used as the original sample to prepare the duplicate matrix spikes as requested. With three exceptions the duplicate matrix spikes met all advisory accuracy and precision criteria. The recoveries of the spike compound 4-nitrophenol were flagged as outliers in the duplicate matrix spikes. The recovery of the spike compound pentachlorophenol was flagged as an outlier in the matrix spike duplicate.

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 diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Valgena Respass
Supervisor, GCMS Semivolatiles
June 11, 2004

ALKANE NARRATIVE REPORT
Report date : 06/11/2004
SDG: E0098

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
CASE # 32934
SDG # E0098
CONTRACT # 68W03021

SAMPLE IDENTIFICATIONS:

E0098	**E00A2**	**E00B7**	**E00C3**
E00A1	**E00A6**	**E00C0**	

The seven water samples listed above were scheduled for the requested analysis of the pesticide/PCB fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3. This portion of the SDG narrative deals with the pesticide/PCB fraction only. For the receiving information associated with these samples, please refer to the volatile SDG narrative. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # E0098 are included in the sample data sections.

Pesticides/PCBs

Extraction and analysis holding time requirements were met for all of these samples.

There were no pesticide and PCB analytes confirmed by dual column analysis above the Contract Required Quantitation Limit (CRQL) in any of these samples.

500 mL of raw sample were used to extract sample E00B7 and the duplicate matrix spikes (MS/MSD) prepared from sample E0098, rather than the method-specified amount of 1000 mL. Except for the MSD, the extracts were concentrated to a final volume half that of the method-specified volume, and therefore no effective dilution was performed during the extraction procedure. However, the MSD was concentrated to 10 mL, which resulted to an effective 2x dilution.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The associated method blank met all quality control criteria.

All of the surrogates met recovery and retention time criteria in the analyses of these samples.

Sample E0098 was used as the original to prepare the duplicate matrix spikes (MS/MSD). The associated duplicate matrix spikes met all accuracy and precision criteria.

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 diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Elsie S. Byrd

Elsie S. Byrd
Senior Scientist I
June 11, 2004

Joan Purdie

From: Brown, Jessica [Jessica.Brown@dyncorp.com]
Sent: Thursday, May 27, 2004 11:02 AM
To: Alice Evans (E-mail); Joan Purdie (E-mail)
Cc: Mark Wagner (E-mail 2); Carlene Thomas (E-mail); Howard Pham (E-mail)
Subject: Region 05 | Case 32934 | Lab LIBRTY | Issue Documentation | FINAL

Hi Joan,

Per Region 5, the bottles associated with tag numbers 5-277460, 5-277461, and 5-277462 were broken before being shipped therefore they should be cancelled. LIBRTY should use both samples E0098 and E00C2 as lab QC and report the analysis under sample E0098 thereby canceling sample ID E00C2.

Thanks,
Jessica

-----Original Message-----
From: Thomas.Carlene@epamail.epa.gov [mailto:Thomas.Carlene@epamail.epa.gov]
Sent: Thursday, May 27, 2004 11:00 AM
To: Brown, Jessica
Subject: Re: Region 05 | Case 32934 | Lab LIBRTY | Issue

Hi Jessica -

Please proceed with M. Wagner recommendation and make a note in the case narrative.

Carlene

-----Original Message-----
From: Brown, Jessica
Sent: Thursday, May 27, 2004 10:54 AM
To: Carlene Thomas (E-mail); Howard Pham (E-mail)
Subject: Region 05 | Case 32934 | Lab LIBRTY | Issue

Hi Carlene/Howard,

Per Mark Wagner, IL-EPA, the bottles associated with tag numbers 5-277460, 5-277461, and 5-277462 were broken before being shipped therefore they should be cancelled. LIBRTY should use both samples E0098 and E00C2 as lab QC and report the analysis under sample E0098 thereby canceling sample ID E00C2.

Please advise on how the lab is to proceed.

Thanks,
Jessica

5/27/04 10:43AM Jessica Brown, SMO, spoke with Mark Wagner, IL-EPA, concerning Case 32934. The bottles associated with tag numbers 5-277460, 5-277461, and 5-277462 were broken before being shipped therefore they should be cancelled. LIBRTY should use both samples E0098 and E00C2 as lab QC and report the analysis under sample E0098 thereby canceling sample ID E00C2.

-----Original Message-----
From: Brown, Jessica
Sent: Thursday, May 27, 2004 10:40 AM
To: 'Mark Wagner (E-mail 2)'; 'Bob Casper (E-mail)'; Carlene Thomas (E-mail); Howard Pham (E-mail)
Subject: Region 05 | Case 32934 | Lab LIBRTY | Issue

LIBRTY is still waiting for the resolution to the issues below. Please advise on how the lab is to proceed as quickly as possible.

17

Thanks,
Jessica

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 26, 2004 3:23 PM
To: Mark Wagner (E-mail 2); Bob Casper (E-mail); Carlene Thomas (E-mail); Howard Pham (E-mail)
Subject: Region 05 | Case 32934 | Lab LIBRTY | Issue

The following is an email from LIBRTY concerning Case 32934. Please advise on the following issues:

1) For sample E0098, the following tags were listed on the TR but not received at the lab: 5-277460, 5-277461, and 5-277462.
2) Sample E0098 was received with extra volume but was not designated on TR/COC as QC. May the lab proceed with using this sample as lab QC?

Thanks,

Jessica Brown
Computer Sciences Corporation
CLP Coordinator for Regions 4, 5, & 8
Phone: (703) 818-4215
Fax: (703) 818-4602
jessica.brown@dyncorp.com <mailto:jessica.brown@dyncorp.com>

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-----Original Message-----
From: Joan Purdie [mailto:jpurdie@compuchemlabs.com]
Sent: Wednesday, May 26, 2004 3:27 PM
To: jessica.brown@dyncorp.com
Subject: FW: REGION 5|C#32934|MUTILPLE ISSUES

Jessica here is the attachment taht was suppose to be with the e-mail.

Joan

-----Original Message-----
From: Joan Purdie [mailto:jpurdie@compuchemlabs.com]
Sent: Wednesday, May 26, 2004 3:18 PM
To: 'jessica.brown@dyncorp.com'
Cc: 'aevans@compuchemlabs.com'
Subject: REGION 5|C#32934|MUTILPLE ISSUES

Hi Jessica,
We received C#32934 today with 9 waters and 6 voa only soils(encores). The TR/COC list sample id E0098 having 12 containers. We received 9. I attached a copy of TR/COC commenting on the containers with tag #'s we did not receive.
Sample id E0098 was received with extra volume but was not designated on TR/COC as QC. The lab has chosen this sample as Qc.

Thank you,
Joan Purdie
Contract Coordinator

CompuChem/Liberty
919-379-4081
jpurdie@compuchemlabs.com

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2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKHA	98	98	94		0
02	E0098	102	100	100		0
03	E0098MS	98	102	106		0
04	E0098MSD	98	98	106		0
05	E00A1	106	94	98		0
06	E00A2	92	96	94		0
07	E00A6	90	100	100		0
08	E00C0	88	90	94		0
09	VBLKAH	108	102	94		0
10	E00B8	102	98	98		0
11	E00C3	108	100	104		0
12	VBLKHB	98	102	94		0
13	E00B7	98	100	96		0
14	VHBLKXD	90	100	88		0
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix Spike - EPA Sample No.: E0098

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	44	88	61-145
Trichloroethene	50	0	48	96	71-120
Benzene	50	0	49	98	76-127
Toluene	50	0	48	96	76-125
Chlorobenzene	50	0	48	96	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	47	94	7	14	61-145
Trichloroethene	50	48	96	0	14	71-120
Benzene	50	50	100	2	11	76-127
Toluene	50	47	94	2	13	76-125
Chlorobenzene	50	49	98	2	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKHA

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934

SAS No.:

SDG No.: E0098

Lab File ID: 34208A55

Lab Sample ID: 34208

Date Analyzed: 06/04/04

Time Analyzed: 0833

GC Column: EQUITY624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: F50055

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0098	311701	311701A55	1020
02	E0098MS	34211	34211A55	1100
03	E0098MSD	34212	34212A55	1132
04	E00A1	311702	311702A55	1224
05	E00A2	311703	311703A55	1257
06	E00A6	311704	311704A55	1336
07	E00C0	311707	311707A55	1705
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COMMENTS:

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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKAH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Lab File ID: 34208B55 Lab Sample ID: 34208R

Date Analyzed: 06/05/04 Time Analyzed: 1454

GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: F50055

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00B8	311706	311706RB55	1534
02	E00C3	311709	311709RB55	1613
03				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKHB

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Lab File ID: 34209A55 Lab Sample ID: 34209

Date Analyzed: 06/07/04 Time Analyzed: 1039

GC Column: EQUITY624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: F50055

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00B7	311705	311705RA55	1132
02	VHBLKXD	311504	311504RA55	1722
03				
04				
05				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311701A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~5~~	JBU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E009

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311701A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0098

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311701A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	17.86	8	J
2.	LABORATORY ARTIFACT	19.34	12	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34211

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34211A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
75-71-8	Dichlorodifluoromethane	10 U
74-87-3	Chloromethane	10 U
75-01-4	Vinyl Chloride	10 U
74-83-9	Bromomethane	10 U
75-00-3	Chloroethane	10 U
75-69-4	Trichlorofluoromethane	10 U
75-35-4	1,1-Dichloroethene	44
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10 U
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	10 U
79-20-9	Methyl Acetate	10 U
75-09-2	Methylene Chloride	10 ~~5~~ ~~J~~B U
156-60-5	trans-1,2-Dichloroethene	10 U
1634-04-4	Methyl tert-Butyl Ether	10 U
75-34-3	1,1-Dichloroethane	10 U
156-59-2	cis-1,2-Dichloroethene	10 U
78-93-3	2-Butanone	10 U
67-66-3	Chloroform	10 U
71-55-6	1,1,1-Trichloroethane	10 U
110-82-7	Cyclohexane	10 U
56-23-5	Carbon Tetrachloride	10 U
71-43-2	Benzene	49
107-06-2	1,2-Dichloroethane	10 U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34211

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34211A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	48	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34212

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34212A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	47	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	JBU 6/23/04
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	50	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34212

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34212A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	48	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	47	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E009

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311702A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	~~5~~ 10	~~J~~B U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM Contract: 68W03021

L Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311702A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311702A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	14.04	21	~~NJB~~ U
2.	LABORATORY ARTIFACT	19.01	11	~~JB~~ U
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311703

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311703A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~4~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E009E

Matrix: (soil/water) WATER Lab Sample ID: 311703

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311703A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311703

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311703A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	14.09	6	J
2.	LABORATORY ARTIFACT	18.99	11	~~JB~~ U
3.	LABORATORY ARTIFACT	20.85	11	~~JB~~ U
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5.				SF
6.				6/23/04
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E009[illegible]

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311704A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	0.7	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~5~~	~~J~~ BU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311704A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
79-01-6	Trichloroethene	10 U
108-87-2	Methylcyclohexane	1 J
78-87-5	1,2-Dichloropropane	10 U
75-27-4	Bromodichloromethane	10 U
10061-01-5	cis-1,3-Dichloropropene	10 U
108-10-1	4-Methyl-2-Pentanone	10 U
108-88-3	Toluene	0.9 J
10061-02-6	trans-1,3-Dichloropropene	10 U
79-00-5	1,1,2-Trichloroethane	10 U
127-18-4	Tetrachloroethene	10 U
591-78-6	2-Hexanone	10 U
124-48-1	Dibromochloromethane	10 U
106-93-4	1,2-Dibromoethane	10 U
108-90-7	Chlorobenzene	10 U
100-41-4	Ethylbenzene	2 J
1330-20-7	Xylene (Total)	10
100-42-5	Styrene	10 U
75-25-2	Bromoform	10 U
98-82-8	Isopropylbenzene	2 J
79-34-5	1,1,2,2-Tetrachloroethane	10 U
541-73-1	1,3-Dichlorobenzene	0.2 J
106-46-7	1,4-Dichlorobenzene	0.2 J
95-50-1	1,2-Dichlorobenzene	0.3 J
96-12-8	1,2-Dibromo-3-Chloropropane	10 U
120-82-1	1,2,4-Trichlorobenzene	10 U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311704A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	17.51	72	NJ
2. 1587-04-8	BENZENE, 1-METHYL-2-(2-PROPE	17.65	120	NJ
3. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	17.88	76	NJ
4.	UNKNOWN	17.98	110	J
5. 2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	18.14	120	NJ
6. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	18.29	240	NJ
7.	SUBSTITUTED BENZENE	18.45	88	J
8.	SUBSTITUTED NAPHTHALENE	18.54	170	J
9. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	18.69	150	NJ
10. 275-51-4	AZULENE	18.91	250	NJ
11.	SUBSTITUTED BENZENE	18.99	93	J
12. 17059-48-2	1H-INDENE, 2,3-DIHYDRO-1,6-D	19.19	96	NJ
13. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	19.40	91	NJ
14.	SUBSTITUTED BENZENE	19.41	140	J
15.	UNKNOWN	19.58	89	J
16.	UNKNOWN	19.61	100	J
17.	SUBSTITUTED NAPHTHALENE	19.79	120	J
18.	UNKNOWN	19.85	92	J
19.	SUBSTITUTED NAPHTHALENE	19.96	120	J
20. 90-12-0	NAPHTHALENE, 1-METHYL-	20.07	340	NJ
21.	UNKNOWN	20.22	95	J
22. 90-12-0	NAPHTHALENE, 1-METHYL-	20.32	340	NJ
23.	UNKNOWN	20.53	150	J
24.	LABORATORY ARTIFACT	20.74	180	~~JB~~ U
25. 4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	20.90	120	NJ
26. 1127-76-0	NAPHTHALENE, 1-ETHYL-	21.28	140	NJ
27.	SUBSTITUTED NAPHTHALENE	21.33	75	J
28. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	21.45	200	NJ
29. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	21.69	170	NJ
30. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	21.75	110	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311705RA55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
75-71-8	Dichlorodifluoromethane	10 U
74-87-3	Chloromethane	10 U
75-01-4	Vinyl Chloride	10 U
74-83-9	Bromomethane	10 U
75-00-3	Chloroethane	10 U
75-69-4	Trichlorofluoromethane	10 U
75-35-4	1,1-Dichloroethene	10 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10 U
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	10 U
79-20-9	Methyl Acetate	10 U
75-09-2	Methylene Chloride	10 ~~3~~ ~~J~~B U
156-60-5	trans-1,2-Dichloroethene	10 U
1634-04-4	Methyl tert-Butyl Ether	10 U
75-34-3	1,1-Dichloroethane	10 U
156-59-2	cis-1,2-Dichloroethene	10 U
78-93-3	2-Butanone	10 U
67-66-3	Chloroform	10 U
71-55-6	1,1,1-Trichloroethane	10 U
110-82-7	Cyclohexane	10 U
56-23-5	Carbon Tetrachloride	10 U
71-43-2	Benzene	10 U
107-06-2	1,2-Dichloroethane	10 U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311705RA55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311705RA55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	17.52	22	~~JB~~ U
2.	LABORATORY ARTIFACT	18.98	74	JB ✓
3.	LABORATORY ARTIFACT	20.77	43	~~JB~~ U
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00B8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311706

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311706RB55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	3	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00B8

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311706

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311706RB55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00B8

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.:

SDG No.: E0098

Matrix: (soil/water) WATER

Lab Sample ID: 311706

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 311706RB55

Level: (low/med) LOW

Date Received: 05/26/04

% Moisture: not dec. _____

Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	20.80	10	~~JB~~ 4
2.				
3.				SR 6/23/04
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311707A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~J~~B
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311707A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311707A55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	18.93	10	~~JB~~ U
2.	LABORATORY ARTIFACT	20.75	9	~~JB~~ U
3.				
4.				
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ST 6/23/04

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E009

Matrix: (soil/water) WATER Lab Sample ID: 311709

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311709RB55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	6	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311709

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311709RB55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311709

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311709RB55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	18.85	18	J ✓
2.	LABORATORY ARTIFACT	20.66	21	J ✓
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKHA

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34208

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34208A55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKHA

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34208

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34208A55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKHA

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34208

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34208A55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/04/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	14.05	6	NJ
2.	LABORATORY ARTIFACT	18.96	19	J
3.	LABORATORY ARTIFACT	20.79	23	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34208R

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34208B55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34208R

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34208B55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKAH

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E009

Matrix: (soil/water) WATER Lab Sample ID: 34208R

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34208B55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/05/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	17.52	8	J
2.	UNKNOWN	18.02	7	J
3.	UNKNOWN	18.04	8	J
4.	LABORATORY ARTIFACT	18.98	17	J
5.	LABORATORY ARTIFACT	20.78	14	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKHB

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34209

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34209A55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	4	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKHB

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34209

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34209A55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKHB

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34209

Sample wt/vol: 5 (g/mL) ML Lab File ID: 34209A55

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	17.46	6	J
2.	LABORATORY ARTIFACT	18.92	13	J
3.	LABORATORY ARTIFACT	20.72	9	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311504

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311504RA55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311504

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311504RA55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKXD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E009

Matrix: (soil/water) WATER Lab Sample ID: 311504

Sample wt/vol: 5 (g/mL) ML Lab File ID: 311504RA55

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: not dec. _____ Date Analyzed: 06/07/04

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	17.42	6	~~JB~~ U
2.	LABORATORY ARTIFACT	18.88	17	~~JB~~ U
3.	LABORATORY ARTIFACT	20.69	17	~~JB~~ U
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6/23/04

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKNF	76	80	94	73	68	97	76	76	0
02	E0098	70	74	82	69	65	92	75	60	0
03	E0098MS	74	86	72	69	63	101	73	68	0
04	E0098MSD	74	74	62	68	63	95	71	56	0
05	E00A1	78	84	70	72	67	101	73	62	0
06	E00A2	84	84	66	76	75	103	81	64	0
07	E00B7	68	76	84	64	63	91	69	58	0
08	E00C0	72	76	78	68	65	96	72	60	0
09	E00C3	74	78	84	69	67	88	73	64	0
10	E00A6	74	70	62	72	67	81	72	56	0
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix Spike - EPA Sample No.: E0098

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0	60	80	12-110
2-Chlorophenol	75	0	60	80	27-123
N-Nitroso-di-n-prop.(1)	50	0	49	98	41-116
4-Chloro-3-methylphenol	75	0	69	92	23- 97
Acenaphthene	50	0	51	102	46-118
4-Nitrophenol	75	0	75	100*	10- 80
2,4-Dinitrotoluene	50	0	48	96	24- 96
Pentachlorophenol	75	0	81	108*	9-103
Pyrene	50	0	44	88	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	55	73	9	42	12-11
2-Chlorophenol	75	55	73	9	40	27-123
N-Nitroso-di-n-prop.(1)	50	45	90	9	38	41-116
4-Chloro-3-methylphenol	75	58	77	18	42	23- 97
Acenaphthene	50	42	84	19	31	46-118
4-Nitrophenol	75	67	89*	12	50	10- 80
2,4-Dinitrotoluene	50	43	86	11	38	24- 96
Pentachlorophenol	75	68	91	17	50	9-103
Pyrene	50	35	70	23	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 3 out of 18 outside limits

COMMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKNF

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Lab File ID: 34543A70 Lab Sample ID: 34543

Instrument ID: 5972HP70 Date Extracted: 05/28/04

Matrix: (soil/water) WATER Date Analyzed: 06/01/04

Level:(low/med) LOW Time Analyzed: 1002

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0098	311701	311701A70	06/01/04
02	E0098MS	34544	34544A70	06/01/04
03	E0098MSD	34545	34545A70	06/01/04
04	E00A1	311702	311702A70	06/01/04
05	E00A2	311703	311703A70	06/01/04
06	E00B7	311705	311705A70	06/01/04
07	E00C0	311707	311707A70	06/01/04
08	E00C3	311709	311709A70	06/01/04
09	E00A6	311704	311704D2A70	06/01/04
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COMMENTS:

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311701A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311701A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0098

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311701A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34544

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34544A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	60	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	60	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	49	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	69	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	51	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34544

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34544A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	75	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	48	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	81	E
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	44	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34545

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34545A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	55	
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	55	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	45	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	58	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	42	

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34545

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34545A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	67	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	43	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	68	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	35	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	7	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311702A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311702A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM Contract: 68W03021

I Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311702A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 21400-25-9	1-PROPENE, 1,1,2-TRICHLORO-	6.91	6	NJ✓
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311703A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311703A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	8	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311703A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.74	2	J
2.	UNKNOWN	6.91	7	~~JB~~ U
3.	UNKNOWN AMIDE	21.66	10	J
4.	UNKNOWN AMIDE	23.64	14	~~JB~~ U
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FORM I SV-TIC OLM04.2

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311704D2A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	50	U
108-95-2	Phenol	50	U
111-44-4	bis(2-Chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	50	U
108-60-1	2,2'-oxybis(1-Chloropropane)	50	U
98-86-2	Acetophenone	50	U
106-44-5	4-Methylphenol	50	U
621-64-7	N-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	50	U
105-67-9	2,4-Dimethylphenol	50	U
111-91-1	bis(2-Chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	50	U
91-20-3	Naphthalene	110	
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
105-60-2	Caprolactam	50	U
59-50-7	4-Chloro-3-methylphenol	50	U
91-57-6	2-Methylnaphthalene	230	
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	50	U
95-95-4	2,4,5-Trichlorophenol	130	U
92-52-4	1,1'-Biphenyl	50	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	130	U
131-11-3	Dimethylphthalate	50	U
606-20-2	2,6-Dinitrotoluene	50	U
208-96-8	Acenaphthylene	50	U
99-09-2	3-Nitroaniline	130	U
83-32-9	Acenaphthene	24	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311704D2A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	130	U
100-02-7	4-Nitrophenol	130	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethylphthalate	50	U
86-73-7	Fluorene	40	J
7005-72-3	4-Chlorophenyl-phenylether	50	U
100-01-6	4-Nitroaniline	130	U
534-52-1	4,6-Dinitro-2-methylphenol	130	U
86-30-6	N-nitrosodiphenylamine (1)	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
1912-24-9	Atrazine	50	U
87-86-5	Pentachlorophenol	130	U
85-01-8	Phenanthrene	130	
120-12-7	Anthracene	22	J
86-74-8	Carbazole	50	U
84-74-2	Di-n-butylphthalate	50	U
206-44-0	Fluoranthene	16	J
129-00-0	Pyrene	66	
85-68-7	Butylbenzylphthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	25	J
218-01-9	Chrysene	39	J
117-81-7	bis(2-Ethylhexyl)phthalate	50	U
117-84-0	Di-n-octylphthalate	50	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	15	J
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenzo(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

L Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311704D2A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 91-57-6	NAPHTHALENE, 2-METHYL-	12.73	170	NJ
2. 1127-76-0	NAPHTHALENE, 1-ETHYL-	13.82	81	NJ
3. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	13.98	140	NJ
4. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	14.18	180	NJ
5. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	14.22	110	NJ
6. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	14.44	76	NJ
[illegible] 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	14.63	55	NJ
[illegible]. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	15.23	66	NJ
9. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	15.50	60	NJ
10. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	15.56	77	NJ
11. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	15.77	67	NJ
12. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	15.97	67	NJ
13.	UNKNOWN	16.39	55	J
14. 2523-37-7	9H-FLUORENE, 9-METHYL-	16.47	65	NJ
15.	UNKNOWN	16.96	56	J
16.	UNKNOWN	17.38	74	J
17. 1730-37-6	9H-FLUORENE, 1-METHYL-	17.62	71	NJ
18. 16587-52-3	DIBENZOTHIOPHENE, 3-METHYL-	18.93	62	NJ
19. 613-12-7	ANTHRACENE, 2-METHYL-	19.24	150	NJ
20. 779-02-2	ANTHRACENE, 9-METHYL-	19.28	110	NJ
21.	UNKNOWN	19.34	51	J
22. 613-12-7	ANTHRACENE, 2-METHYL-	19.42	100	NJ
23. 779-02-2	ANTHRACENE, 9-METHYL-	19.46	81	NJ
24. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	19.97	77	NJ
25. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	20.03	76	NJ
26. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	20.16	150	NJ
27.	UNKNOWN	20.20	110	J
28.	UNKNOWN	20.29	58	J
29. 217-59-4	TRIPHENYLENE	22.39	57	NJ
30. 1705-85-7	CHRYSENE, 6-METHYL-	22.95	55	NJ

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311705A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311705A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311705A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.91	5	~~JB~~ U
2.	UNKNOWN	20.62	3	J
3.	UNKNOWN	21.65	2	J
4.	UNKNOWN	21.68	3	J
5.	UNKNOWN	21.92	7	J
6.	UNKNOWN ALCOHOL	23.11	4	J
7.	UNKNOWN AMIDE	23.63	8	~~JB~~ U
8.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311707A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311707A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311707A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.92	4	~~JB~~ 4
2.	UNKNOWN	23.63	6	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311709

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311709A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311709

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311709A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	6	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311709

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 311709A70

Level: (low/med) LOW Date Received: 05/26/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.91	4	~~JB~~ 4
2.	UNKNOWN AMIDE	23.63	4	~~JB~~ 4
3.				
4.				
5.				ST
6.				6/2/04
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKNF

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34543

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34543A70

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKNF

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34543

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34543A70

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SBLKNF

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: COMPUCHEM Contract: 68W03021

b Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34543

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 34543A70

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/28/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/01/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.91	3	J
2.	UNKNOWN AMIDE	23.63	5	J
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FORM I SV-TIC OLM04.2

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

GC Column(1): CLPEST ID: 0.53(mm) GC Column(2): CLPEST2 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKNO	70	70	80	85			0
02	E0098MS	90	85	100	105			0
03	E0098MSD	105	95	110	115			0
04	E0098	90	90	110	115			0
05	E00A1	95	95	100	105			0
06	E00A2	80	85	85	90			0
07	E00A6	125	80	40	45			0
08	E00B7	105	90	90	95			0
09	E00C0	80	85	80	80			0
10	E00C3	60	60	70	70			0
11								
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		QC LIMITS
S1 (TCX)	= Tetrachloro-m-xylene	(30-150)
S2 (DCB)	= Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix Spike - EPA Sample No.: E0098

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50	0.0	0.42	84	56-123
Heptachlor	0.50	0.0	0.41	82	40-131
Aldrin	0.50	0.0	0.41	82	40-120
Dieldrin	1.0	0.0	0.87	87	52-126
Endrin	1.0	0.0	0.96	96	56-121
4,4'-DDT	1.0	0.0	0.82	82	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.47	94	11	15	56-123
Heptachlor	0.50	0.46	92	11	20	40-131
Aldrin	0.50	0.45	90	9	22	40-120
Dieldrin	1.0	1.0	100	14	18	52-126
Endrin	1.0	1.1	110	14	21	56-121
4,4'-DDT	1.0	0.94	94	14	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKNO

Lab Name: COMPUCHEM

Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934

SAS No.:

SDG No.: E0098

Lab Sample ID: 34676

Lab File ID: _____

Matrix (soil/water) WATER

Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N

Date Extracted: 05/30/04

Date Analyzed (1): 06/02/04

Date Analyzed (2): 06/02/04

Time Analyzed (1): 0758

Time Analyzed (2): 0758

Instrument ID (1): TRACEGC80

Instrument ID (2): TRACEGC81

GC Column (1): CLPEST ID: 0.53(mm)

GC Column (2): CLPEST2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0098MS	34677	06/02/04	06/02/04
02	E0098MSD	34678	06/02/04	06/02/04
03	E0098	311701	06/02/04	06/02/04
04	E00A1	311702	06/02/04	06/02/04
05	E00A2	311703	06/02/04	06/02/04
06	E00A6	311704	06/02/04	06/02/04
07	E00B7	311705	06/02/04	06/02/04
08	E00C0	311707	06/02/04	06/02/04
09	E00C3	311709	06/02/04	06/02/04
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COMMENTS: _____

FORM IV PEST

OLM04.2

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311701

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MS

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34677

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.42	
76-44-8	Heptachlor	0.41	
309-00-2	Aldrin	0.41	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.87	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.96	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.029	J
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.82	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10 ~~0.021~~	~~J~~ PM
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0098MSD

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34678

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.10	U
319-85-7	beta-BHC	0.10	U
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC (Lindane)	0.47	
76-44-8	Heptachlor	0.46	
309-00-2	Aldrin	0.45	
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	1.0	
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin	1.1	
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.20	U
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	0.94	
72-43-5	Methoxychlor	1.0	U
53494-70-5	Endrin ketone	0.20	U
7421-93-4	Endrin aldehyde	0.20	U
5103-71-9	alpha-Chlordane	0.10	U
5103-74-2	gamma-Chlordane	0.10	U
8001-35-2	Toxaphene	10	U
12674-11-2	Aroclor-1016	2.0	U
11104-28-2	Aroclor-1221	4.0	U
11141-16-5	Aroclor-1232	2.0	U
53469-21-9	Aroclor-1242	2.0	U
12672-29-6	Aroclor-1248	2.0	U
11097-69-1	Aroclor-1254	2.0	U
11096-82-5	Aroclor-1260	2.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311702

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00A6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311704

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.021	JP
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.018	JP
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.019	JP
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00B7

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311705

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C0

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311707

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00C3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 311709

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: 05/26/04

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKNO

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 32934 SAS No.: SDG No.: E0098

Matrix: (soil/water) WATER Lab Sample ID: 34676

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) _____ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/30/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/02/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0098 CERCLIS No: ILD005454566

Case No: 32934 Site Name/Location: US Steel Corp, Joliet Works

Contractor or EPA Lab: Computhem Data User: IEPA

No. of Samples: 8 Date Sampled or Date Received: 6-15-04

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: 8 No. of samples received: 8

Received by: Eva M. Dixon / ESAT Date: 6-15-04

Received by LSSS: Eva M. Dixon / ESAT Date: 6-15-04

Review started: 06-23-2004 Reviewer Signature: Stephanie Tobin

Total time spent on review: 10 hrs Date review completed: 6-28-2004

Copied by: Eva M. Dixon / ESAT Date: 6-29-04

Mailed to user by: Eva M. Dixon / ESAT Date: 6-29-04

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

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. Date: ____

DATE: June 21, 2004

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: US Steel Corp. Joliet Works

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Ceimic	10	E0043	Water

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

RECEIVED
JUN 24 2004
EPA - CRL - CBR

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

JUN 2 1 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:_____

SUBJECT: Review of Data
Received for Review on May 28, 2004

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

Site name: US Steel Corp. Joliet Worker (IL)

Case number: 32839 SDG Number: E0043

Number and Type of Samples: 10 water samples

Sample Numbers: E0043, E0045, E0051, E0053, E0056, E0058, E0061, E0077, E0079, E0080

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SM-5J

Laboratory: **Ceimic**
Site Name: **US Steel Corp. Joliet Workers (IL)**

Case Number : **32839**
SDG Number: **E0043**

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

Ten water samples (E0043, E0045, E0051, E0053, E0056, E0058, E0061, E0077, E0079, E0080) were collected on 05/03-05/2004. The laboratory received the samples on 05/04-06/2004 in good condition. Samples E0061 and E0079 were analyzed for only the Volatile analytes. The remaining samples were analyzed for the full list of organic analytes. All samples were analyzed according to CLP SOW OLM04.3.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: June 18, 2004

Laboratory: **Ceimic**
Site Name: **US Steel Corp. Joliet Workers (IL)**

Case Number : **32839**
SDG Number: **E0043**

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

Semivolatile IPC associated with an initial calibration has percent relative abundance out of criteria. Hits and non-detects are not flagged.

E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, E0080, SBLKKO, SBLKKY

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0061, E0077, E0079, E0080, VBLKLQ, VBLKLR, VHBLK01

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".

Dichlorodifluoromethane
E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0061, E0077, E0079, E0080, VBLKLQ, VBLKLR, VHBLK01

Acetone
E0058, E0077, E0079, E0080, VBLKLR, VHBLK01

The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0061, E0077, E0079, E0080, VBLKLQ, VBLKLR, VHBLK01

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 flagged "UJ".

Benzaldehyde
E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, E0080, SBLKKO, SBLKKY

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".

Benzaldehyde
E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, SBLKKY

Phenol, bis(2-Chloroethoxy)methane
E0043, E0080, SBLKKO

bis(2-Chloroethyl)ether
E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0080, SBLKKO, SBLKKY

2,2-oxybis(1-Chloropropane), 4-Nitrophenol
E0043, E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, E0080, SBLKKO, SBLKKY

Caprolactam
E0043, E0077

The following semivolatile samples are associated with a continuing calibration in which a surrogate/DMC exceeded percent difference (%D) criteria. Hits and non-detects are not flagged.

E0045, E0051, E0053, E0056, E0056MS, E0056MSD, E0058, E0077, E0080, SBLKKO, SBLKKY

4. METHOD BLANKS

No problems were found for this qualification.

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following semivolatile samples have one base surrogate recovery which was below the QC limit. Hits and non-detects are not flagged since the protocol allows at least two surrogates in either the base/neutral or acid fraction to be out of control before a re-analysis or qualification of the results is required.

E0043

Laboratory: **Ceimic**
Site Name: **US Steel Corp. Joliet Workers (IL)**

Case Number : **32839**
SDG Number: **E0043**

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The following volatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit. Sample results for the outlier compounds in the unspiked sample E0056 are estimated "J" and non-detects are not flagged.

E0056MS, E0056MSD
Trichloroethene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit but less than 100%. Hits and non-detects for the outlier compounds in the unspiked sample E0056 are not flagged.

E0056MS, E0056MSD
4-Nitrophenol

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery above the QC limit. Sample results for the outlier compounds in the unspiked sample E0056 are estimated "J" and non-detects are not flagged.

E0056MSD
Pentachlorophenol

7. FIELD BLANK AND FIELD DUPLICATE

None of the samples were identified as the field duplicates. Samples E0061 and E0079 were identified as trip blanks. Sample E0058 was identified as the field blank. The results of the QC blanks are summarized in the following table:

Analytes	E0061(TB)	E0079(TB)	E0058 (FB)
dilution factor =	1.0	1.0	1.0
Methylene chloride	ND	ND	2 µg/L

Results are not qualified based upon the results of the QC blanks or field duplicates.

8. INTERNAL STANDARDS

No problems were found for this qualification.

9. COMPOUND IDENTIFICATION

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: June 18, 2004

Laboratory: **Ceimic**
Site Name: **US Steel Corp. Joliet Workers (IL)**

Case Number : **32839**
SDG Number: **E0043**

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".

E0058
Methylene Chloride

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

E0080
Di-n-butylphthalate, Butylbenzylphthalate

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

The result of Pentachlorophenol for E0056MSD was quantitated outside the calibration range and no further dilution was analyzed. No qualification is needed since this sample was used for QC purposes only.

Reviewed By: Steffanie Tobin (Alion/ESAT)
Date: June 18, 2004

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.
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.

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0043
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	G103
Case No.:	32839	Matrix/Level:	Water/Low
SDG No.:	E0043	File Name:	E0043

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN SILOXANE	4.47	400	J
	UNKNOWN SILOXANE	5.36	97	J
540976	CYCLOHEXASILOXANE, DODECAMETHYL-	6.26	26	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0080
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	G107
Case No.:	32839	Matrix/Level:	Water/Low
SDG No.:	E0043	File Name:	E0043

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN SILOXANE	4.47	530	J
541026	CYCLOPENTASILOXANE, DECAMETHYL-	5.35	140	NJ
540976	CYCLOHEXASILOXANE, DODECAMETHYL-	6.25	70	NJ
	UNKNOWN SILOXANE	7.34	26	J
	UNKNOWN SILOXANE	8.21	16	J
	UNKNOWN SILOXANE	8.85	16	J
	UNKNOWN SILOXANE	9.83	15	J
	UNKNOWN SILOXANE	10.96	11	J
	UNKNOWN SILOXANE	11.33	11	J
	UNKNOWN SILOXANE	11.75	13	J
	UNKNOWN SILOXANE	12.22	9	J

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	U
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	U
ACETONE	10	U	10	U	10	U	10	U	10	U
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	10	U	10	U	10	U	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
2-BUTANONE	10	U	10	U	10	U	10	U	10	U
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	U
TOLUENE	10	U	10	U	10	U	10	U	10	U
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
ETHYLBENZENE	10	U	10	U	10	U	10	U	10	U
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
STYRENE	10	U	10	U	10	U	10	U	10	U
BROMOFORM	10	U	10	U	10	U	10	U	10	U
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	10	R	10	R	10	R	10	R	10	R
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839
Site :
Lab. :
Reviewer :
Date :

SDG : E0043
U.S. STEEL CORP JOLIET WORKS (IL)
CEIMIC
S. Tobin
06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0056MS		E0056MSD		E0058		E0061		E0077	
Sampling Location :	G101		G101		FIELD BLANK		TRIP BLANK		G106	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/5/2004	
Time Sampled :	16:00		16:00		16:40		17:00		08:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	U
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	58		58		10	U	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	U
ACETONE	10	U	10	U	10	UJ	10	U	10	UJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	10	U	10	U	2	J	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
2-BUTANONE	10	U	10	U	10	U	10	U	10	U
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	57		58		10	U	10	U	10	U
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	61		61		10	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	U
TOLUENE	61		62		10	U	10	U	10	U
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839
SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0056MS		E0056MSD		E0058		E0061		E0077	
Sampling Location :	G101		G101		FIELD BLANK		TRIP BLANK		G106	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/5/2004	
Time Sampled :	16:00		16:00		16:40		17:00		08:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	60		59		10	U	10	U	10	U
ETHYLBENZENE	10	U	10	U	10	U	10	U	10	U
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
STYRENE	10	U	10	U	10	U	10	U	10	U
BROMOFORM	10	U	10	U	10	U	10	U	10	U
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	10	R	10	R	10	R	10	R	10	R
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0079		E0080		VBLKLQ		VBLKLR		VHBLK01	
Sampling Location :	TRIP BLANK5/5/04		G107							
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/5/2004		5/5/2004							
Time Sampled :	11:00		10:30							
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
VINYL CHLORIDE	10	U	10	U	10	U	10	U	10	U
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U	10	U	10	U	10	U
ACETONE	10	UJ	10	UJ	10	U	10	UJ	10	UJ
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	U
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	10	U	10	U	10	U	10	U	10	U
TRANS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
2-BUTANONE	10	U	10	U	10	U	10	U	10	U
CHLOROFORM	10	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
CYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	10	U	10	U	10	U
METHYLCYCLOHEXANE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROPROPANE	10	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	U
TOLUENE	10	U	10	U	10	U	10	U	10	U
TRANS-1,3-DICHLOROPROPENE	10	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0079		E0080		VBLKLQ		VBLKLR		VHBLK01	
Sampling Location :	TRIP BLANK5/5/04		G107							
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/5/2004		5/5/2004							
Time Sampled :	11:00		10:30							
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	U	10	U	10	U	10	U	10	U
DIBROMOCHLOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	10	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
ETHYLBENZENE	10	U	10	U	10	U	10	U	10	U
XYLENES (TOTAL)	10	U	10	U	10	U	10	U	10	U
STYRENE	10	U	10	U	10	U	10	U	10	U
BROMOFORM	10	U	10	U	10	U	10	U	10	U
ISOPROPYLBENZENE	10	U	10	U	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,4-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	10	R	10	R	10	R	10	R	10	R
1,2,4-TRICHLOROBENZENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
PHENOL	10	UJ	10	U	10	U	10	U	10	U
BIS-(2-CHLOROETHYL)ETHER	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
2-CHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
2-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
ACETOPHENONE	10	U	10	U	10	U	10	U	10	U
4-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
N-NITROSO-DI-N PROPYLAMINE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
NITROBENZENE	10	U	10	U	10	U	10	U	10	U
ISOPHORONE	10	U	10	U	10	U	10	U	10	U
2-NITROPHENOL	10	U	10	U	10	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	U	10	U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE	10	UJ	10	U	10	U	10	U	10	U
2,4-DICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
NAPHTHALENE	10	U	10	U	10	U	10	U	10	U
4-CHLOROANILINE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBUTADIENE	10	U	10	U	10	U	10	U	10	U
CAPROLACTAM	10	UJ	10	U	10	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
2-METHYLNAPHTHALENE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	U	10	U	10	U	10	U	10	U
2,4,6-TRICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
2,4,5-TRICHLOROPHENOL	25	U	25	U	25	U	25	U	25	U
1,1'-BIPHENYL	10	U	10	U	10	U	10	U	10	U
2-CHLORONAPHTHALENE	10	U	10	U	10	U	10	U	10	U
2-NITROANILINE	25	U	25	U	25	U	25	U	25	U
DIMETHYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
2,6-DINITROTOLUENE	10	U	10	U	10	U	10	U	10	U
ACENAPHTHYLENE	10	U	10	U	10	U	10	U	10	U
3-NITROANILINE	25	U	25	U	25	U	25	U	25	U
ACENAPHTHENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839
Site :
Lab. :
Reviewer :

SDG : E0043
U.S. STEEL CORP JOLIET WORKS (IL)
CEIMIC
S. Tobin
06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	U	25	U	25	U	25	U	25	U
4-NITROPHENOL	25	UJ	25	UJ	25	UJ	25	UJ	25	UJ
DIBENZOFURAN	10	U	10	U	10	U	10	U	10	U
2,4-DINITROTOLUENE	10	U	10	U	10	U	10	U	10	U
DIETHYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
FLUORENE	10	U	10	U	10	U	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	10	U	10	U	10	U
4-NITROANILINE	25	U	25	U	25	U	25	U	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U	25	U	25	U	25	U
N-NITROSO DIPHENYLAMINE	10	U	10	U	10	U	10	U	10	U
4-BROMOPHENYL-PHENYLETHER	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
ATRAZINE	10	U	10	U	10	U	10	U	10	U
PENTACHLOROPHENOL	25	U	25	U	25	U	25	U	25	U
PHENANTHRENE	10	U	10	U	10	U	10	U	10	U
ANTHRACENE	10	U	10	U	10	U	10	U	10	U
CARBAZOLE	10	U	10	U	10	U	10	U	10	U
DI-N-BUTYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
PYRENE	10	U	10	U	10	U	10	U	10	U
BUTYLBENZYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
3,3'-DICHLOROBENZIDINE	10	U	10	U	10	U	10	U	10	U
BENZO(A)ANTHRACENE	10	U	10	U	10	U	10	U	10	U
CHRYSENE	10	U	10	U	10	U	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	U	10	U	10	U	10	U
DI-N-OCTYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
BENZO(B)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
BENZO(K)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
BENZO(A)PYRENE	10	U	10	U	10	U	10	U	10	U
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	10	U	10	U	10	U
DIBENZO(A,H)-ANTHRACENE	10	U	10	U	10	U	10	U	10	U
BENZO(G,H,I)PERYLENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839
Site :
Lab. :
Reviewer :
Date :

SDG : E0043
U.S. STEEL CORP JOLIET WORKS (IL)
CEIMIC
S. Tobin
06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0056MS		E0056MSD		E0058		E0077		E0080	
Sampling Location :	G101		G101		FIELD BLANK		G106		G107	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		16:00		16:40		08:40		10:30	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
PHENOL	53		60		10	U	10	U	10	UJ
BIS-(2-CHLOROETHYL)ETHER	10	UJ	10	UJ	10	UJ	10	U	10	UJ
2-CHLOROPHENOL	52		60		10	U	10	U	10	U
2-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
ACETOPHENONE	10	U	10	U	10	U	10	U	10	U
4-METHYLPHENOL	10	U	10	U	10	U	10	U	10	U
N-NITROSO-DI-N PROPYLAMINE	38		44		10	U	10	U	10	U
HEXACHLOROETHANE	10	U	10	U	10	U	10	U	10	U
NITROBENZENE	10	U	10	U	10	U	10	U	10	U
ISOPHORONE	10	U	10	U	10	U	10	U	10	U
2-NITROPHENOL	10	U	10	U	10	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	U	10	U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE	10	U	10	U	10	U	10	U	10	UJ
2,4-DICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
NAPHTHALENE	10	U	10	U	10	U	10	U	10	U
4-CHLOROANILINE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBUTADIENE	10	U	10	U	10	U	10	U	10	U
CAPROLACTAM	10	U	10	U	10	U	10	UJ	10	U
4-CHLORO-3-METHYLPHENOL	64		68		10	U	10	U	10	U
2-METHYLNAPHTHALENE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	U	10	U	10	U	10	U	10	U
2,4,6-TRICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
2,4,5-TRICHLOROPHENOL	25	U	25	U	25	U	25	U	25	U
1,1'-BIPHENYL	10	U	10	U	10	U	10	U	10	U
2-CHLORONAPHTHALENE	10	U	10	U	10	U	10	U	10	U
2-NITROANILINE	25	U	25	U	25	U	25	U	25	U
DIMETHYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
2,6-DINITROTOLUENE	10	U	10	U	10	U	10	U	10	U
ACENAPHTHYLENE	10	U	10	U	10	U	10	U	10	U
3-NITROANILINE	25	U	25	U	25	U	25	U	25	U
ACENAPHTHENE	41		46		10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0056MS		E0056MSD		E0058		E0077		E0080	
Sampling Location :	G101		G101		FIELD BLANK		G106		G107	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		16:00		16:40		08:40		10:30	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	U	25	U	25	U	25	U	25	U
4-NITROPHENOL	66	J	72	J	25	UJ	25	UJ	25	UJ
DIBENZOFURAN	10	U	10	U	10	U	10	U	10	U
2,4-DINITROTOLUENE	43		48		10	U	10	U	10	U
DIETHYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
FLUORENE	10	U	10	U	10	U	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	10	U	10	U	10	U
4-NITROANILINE	25	U	25	U	25	U	25	U	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U	25	U	25	U	25	U
N-NITROSO DIPHENYLAMINE	10	U	10	U	10	U	10	U	10	U
4-BROMOPHENYL-PHENYLETHER	10	U	10	U	10	U	10	U	10	U
HEXACHLOROBENZENE	10	U	10	U	10	U	10	U	10	U
ATRAZINE	10	U	10	U	10	U	10	U	10	U
PENTACHLOROPHENOL	75		81		25	U	25	U	25	U
PHENANTHRENE	10	U	10	U	10	U	10	U	10	U
NTHRACENE	10	U	10	U	10	U	10	U	10	U
CARBAZOLE	10	U	10	U	10	U	10	U	10	U
DI-N-BUTYLPHTHALATE	10	U	10	U	10	U	10	U	7	J
FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
PYRENE	50		53		10	U	10	U	10	U
BUTYLBENZYLPHTHALATE	10	U	10	U	10	U	10	U	6	J
3,3'-DICHLOROBENZIDINE	10	U	10	U	10	U	10	U	10	U
BENZO(A)ANTHRACENE	10	U	10	U	10	U	10	U	10	U
CHRYSENE	10	U	10	U	10	U	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	U	10	U	10	U	10	U
DI-N-OCTYLPHTHALATE	10	U	10	U	10	U	10	U	10	U
BENZO(B)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
BENZO(K)FLUORANTHENE	10	U	10	U	10	U	10	U	10	U
BENZO(A)PYRENE	10	U	10	U	10	U	10	U	10	U
INDENO(1,2,3-CD)-PYRENE	10	U	10	U	10	U	10	U	10	U
DIBENZO(A,H)-ANTHRACENE	10	U	10	U	10	U	10	U	10	U
BENZO(G,H,I)PERYLENE	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	SBLKKO		SBLKKY							
Sampling Location :										
Matrix :	Water		Water							
Units :	ug/L		ug/L							
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A							
pH :										
Dilution Factor :	1.0		1.0							
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	UJ	10	UJ						
PHENOL	10	UJ	10	U						
BIS-(2-CHLOROETHYL)ETHER	10	UJ	10	UJ						
2-CHLOROPHENOL	10	U	10	U						
2-METHYLPHENOL	10	U	10	U						
2,2'-OXYBIS(1- CHLOROPROPANE)	10	UJ	10	UJ						
ACETOPHENONE	10	U	10	U						
4-METHYLPHENOL	10	U	10	U						
N-NITROSO-DI-N PROPYLAMINE	10	U	10	U						
HEXACHLOROETHANE	10	U	10	U						
NITROBENZENE	10	U	10	U						
ISOPHORONE	10	U	10	U						
2-NITROPHENOL	10	U	10	U						
2,4-DIMETHYLPHENOL	10	U	10	U						
BIS(2-CHLOROETHOXY)METHANE	10	UJ	10	U						
2,4-DICHLOROPHENOL	10	U	10	U						
NAPHTHALENE	10	U	10	U						
4-CHLOROANILINE	10	U	10	U						
HEXACHLOROBUTADIENE	10	U	10	U						
CAPROLACTAM	10	U	10	U						
4-CHLORO-3-METHYLPHENOL	10	U	10	U						
2-METHYLNAPHTHALENE	10	U	10	U						
HEXACHLOROCYCLO-PENTADIEN	10	U	10	U						
2,4,6-TRICHLOROPHENOL	10	U	10	U						
2,4,5-TRICHLOROPHENOL	25	U	25	U						
1,1'-BIPHENYL	10	U	10	U						
2-CHLORONAPHTHALENE	10	U	10	U						
2-NITROANILINE	25	U	25	U						
DIMETHYLPHTHALATE	10	U	10	U						
2,6-DINITROTOLUENE	10	U	10	U						
ACENAPHTHYLENE	10	U	10	U						
3-NITROANILINE	25	U	25	U						
ACENAPHTHENE	10	U	10	U						

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	SBLKKO		SBLKKY							
Sampling Location :										
Matrix :	Water		Water							
Units :	ug/L		ug/L							
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A							
pH :										
Dilution Factor :	1.0		1.0							
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25	U	25	U						
4-NITROPHENOL	25	UJ	25	UJ						
DIBENZOFURAN	10	U	10	U						
2,4-DINITROTOLUENE	10	U	10	U						
DIETHYLPHTHALATE	10	U	10	U						
FLUORENE	10	U	10	U						
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U						
4-NITROANILINE	25	U	25	U						
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U						
N-NITROSO DIPHENYLAMINE	10	U	10	U						
4-BROMOPHENYL-PHENYLETHER	10	U	10	U						
HEXACHLOROBENZENE	10	U	10	U						
ATRAZINE	10	U	10	U						
PENTACHLOROPHENOL	25	U	25	U						
PHENANTHRENE	10	U	10	U						
ANTHRACENE	10	U	10	U						
CARBAZOLE	10	U	10	U						
DI-N-BUTYLPHTHALATE	10	U	10	U						
FLUORANTHENE	10	U	10	U						
PYRENE	10	U	10	U						
BUTYLBENZYLPHTHALATE	10	U	10	U						
3,3'-DICHLOROBENZIDINE	10	U	10	U						
BENZO(A)ANTHRACENE	10	U	10	U						
CHRYSENE	10	U	10	U						
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	U						
DI-N-OCTYLPHTHALATE	10	U	10	U						
BENZO(B)FLUORANTHENE	10	U	10	U						
BENZO(K)FLUORANTHENE	10	U	10	U						
BENZO(A)PYRENE	10	U	10	U						
INDENO(1,2,3-CD)-PYRENE	10	U	10	U						
DIBENZO(A,H)-ANTHRACENE	10	U	10	U						
BENZO(G,H,I)PERYLENE	10	U	10	U						

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL) Number of Soil Samples : 0
Lab. : CEIMIC Number of Water Samples : 10
Reviewer : S. Tobin
Date : 06-18-2004

Sample Number :	E0043		E0045		E0051		E0053		E0056	
Sampling Location :	G103		G104		G102		G105		G101	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/3/2004		5/3/2004	
Time Sampled :	12:30		13:15		15:00		15:00		16:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
BETA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DELTA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HEPTACHLOR	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
ALDRIN	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HEPTACHLOR EPOXIDE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
ENDOSU1FAN I	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DIELDRIN	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDOSULFAN II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
METHOXYCHLOR	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
ENDRIN KETONE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
TOXAPHENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
AROCLOR-1016	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
AROCLOR-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1242	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1254	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1260	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	E0056MS		E0056MSD		E0058		E0077		E0080	
Sampling Location :	G101		G101		FIELD BLANK		G106		G107	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	5/3/2004		5/3/2004		5/3/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		16:00		16:40		08:40		10:30	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
BETA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DELTA-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-BHC (LINDANE)	0.41		0.45		0.050	U	0.050	U	0.050	U
HEPTACHLOR	0.33		0.36		0.050	U	0.050	U	0.050	U
ALDRIN	0.39		0.43		0.050	U	0.050	U	0.050	U
HEPTACHLOR EPOXIDE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
ENDOSU1FAN I	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DIELDRIN	0.87		0.92		0.10	U	0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN	0.91		0.96		0.10	U	0.10	U	0.10	U
ENDOSULFAN II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.72		0.77		0.10	U	0.10	U	0.10	U
METHOXYCHLOR	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
ENDRIN KETONE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
GAMMA-CHLORDANE	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
TOXAPHENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
AROCLOR-1016	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
AROCLOR-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1242	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1254	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
AROCLOR-1260	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0043
Site : U.S. STEEL CORP JOLIET WORKS (IL)
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06-18-2004

Number of Soil Samples : 0
Number of Water Samples : 10

Sample Number :	PBLK01		PBLK02							
Sampling Location :										
Matrix :	Water		Water							
Units :	ug/L		ug/L							
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A							
pH :										
Dilution Factor :	1.0		1.0							
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	0.050	U	0.050	U						
BETA-BHC	0.050	U	0.050	U						
DELTA-BHC	0.050	U	0.050	U						
GAMMA-BHC (LINDANE)	0.050	U	0.050	U						
HEPTACHLOR	0.050	U	0.050	U						
ALDRIN	0.050	U	0.050	U						
HEPTACHLOR EPOXIDE	0.050	U	0.050	U						
ENDOSU1FAN I	0.050	U	0.050	U						
DIELDRIN	0.10	U	0.10	U						
4,4'-DDE	0.10	U	0.10	U						
ENDRIN	0.10	U	0.10	U						
ENDOSULFAN II	0.10	U	0.10	U						
4,4'-DDD	0.10	U	0.10	U						
ENDOSULFAN SULFATE	0.10	U	0.10	U						
4,4'-DDT	0.10	U	0.10	U						
METHOXYCHLOR	0.50	U	0.50	U						
ENDRIN KETONE	0.10	U	0.10	U						
ENDRIN ALDEHYDE	0.10	U	0.10	U						
ALPHA-CHLORDANE	0.050	U	0.050	U						
GAMMA-CHLORDANE	0.050	U	0.050	U						
TOXAPHENE	5.0	U	5.0	U						
AROCLOR-1016	1.0	U	1.0	U						
AROCLOR-1221	2.0	U	2.0	U						
AROCLOR-1232	1.0	U	1.0	U						
AROCLOR-1242	1.0	U	1.0	U						
AROCLOR-1248	1.0	U	1.0	U						
AROCLOR-1254	1.0	U	1.0	U						
AROCLOR-1260	1.0	U	1.0	U						

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5-28-04

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: 1 EPA

We have reviewed the data for the following case:

SITE NAME: US STEEL Corp. JOLIET WORKS (IL)

CASE NUMBER: 32839 SDG NUMBER: E0043

Number and Type of Samples: 10 (WATER)

Sample Numbers: E0043, 45, 51, 53, 56, 58, 61, 77, 79-80

Laboratory: CEMIC Hrs for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SM-5J

SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVERSHEET

Lab Name: Ceimic Corporation **Lab Code:** CEIMIC

Case No.: 32839 **Bid Lot:** D

Contract No: 68W03018 **Full Sample Analysis Price:** $266.00

First Sample in SDG: E0043 **Sample Receipt Date:** 5/4/2004

(Lowest EPA Sample Number in the first shipment of samples received under SDG.)

Last Sample in SDG: E0080 **Sample Receipt Date:** 5/6/2004

(Highest EPA Sample Number in the last shipment of samples received under SDG.)

EPA Sample Numbers in the SDG (listed in alphanumeric order by date received)

1. E0043	**11.**
2. E0045	**12.**
3. E0051	**13.**
4. E0053	**14.**
5. E0056	**15.**
6. E0058	**16.**
7. E0061	**17.**
8. E0077	**18.**
9. E0079	**19.**
10. E0080	**20.**

JM 05/06/04

Note: There are a maximum of 20 field samples in an SDG.

Attach Traffic Reports to this form in alphanumeric order by date received.
(i.e. The order listed on this form)

Jessica Muldoon
Signature

05/06/04
Date

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: E0041 / E0043

L

Date Shipped:	5/3/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023769
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M. Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 James M. Salch	5/3/04 18:30	Elizabeth Astwig	05/04/04 10:30
2 EA			
3		05/04/04	
4			

For Lab Use Only

Lab Contract No: 68W03018
Unit Price: D/3
Transfer To: EA 05/04/04
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0040	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278150 (Ice Only) (1)	X101	S: 5/3/2004		ME0040	*sample not received per email. EA 05/04/04
E0041	Sediment/ Jim Salch	L/G	VOA (21)	5-278154 (Ice Only), 5-278155 (Ice Only) (2)	X123	S: 5/3/2004	11:45		
E0042	Sediment/ Jim Salch	L/G	VOA (21)	5-278158 (Ice Only), 5-278159 (Ice Only) (2)	X128	S: 5/3/2004	11:00	ME0042	
E0043 ✓	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-278162 (HCL), 5-278163 (HCL), 5-278164 (Ice Only), 5-278165 (Ice Only) (4)	G103	S: 5/3/2004	12:30	ME0043	EA 05/04/04
E0045 ✓	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-278169 (HCL), 5-278170 (HCL), 5-278171 (Ice Only), 5-278172 (Ice Only) (4)	G104	S: 5/3/2004	13:15	ME0045	
E0047	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278176 (Ice Only) (1)	X131	S: 5/3/2004	13:00	ME0047	
E0048	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278180 (Ice Only) (1)	X132	S: 5/3/2004	12:20	ME0048	EA 05/04/04
E0049	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278184 (Ice Only) (1)	X145	S: 5/3/2004	13:10	ME0049	
E0050	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-278188 (Ice Only) (1)	X108	S: 5/3/2004	14:45	ME0050	
E0055	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217406 (Ice Only) (1)	X121	S: 5/3/2004	15:45	ME0055	

COPY
Original Documents are included in CSF
E0041

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05/04/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2°C, 4°C, 6°C, 6°C	Chain of Custody Seal Number: 27984, 27985, 27961, 27963
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

TR Number: 5-314975591-050304-0004

LABORATORY COPY

CLP provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: E0043

L

Date Shipped:	5/3/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023750
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M. Salch 5/3/04 18:30

Relinquished By (Date / Time)	Received By (Date / Time)
James M. Salch 5/3/04 18:30	Elizabeth Astuig 05/04/04 10:30
2 EA	
3	05/04/04
4	

For Lab Use Only

Lab Contract No: 68W03018
Unit Price: D/3
Transfer To: EA 05/04/04
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0051 ✓	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-278192 (HCL), 5-278193 (HCL), 5-278194 (Ice Only), 5-278195 (Ice Only) (4)	G102	S: 5/3/2004 15:00	ME0051	EA 05/04/04
E0053 ✓	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-217401 (Ice Only), 5-217402 (Ice Only), 5-278199 (HCL), 5-278200 (HCL) (4)	G105	S: 5/3/2004 15:00	ME0053	
E0061 ✓	Ground Water/ Jim Salch	L/G	VOA (21)	5-217442 (HCL), 5-217443 (HCL) (2)	Trip Blank	S: 5/3/2004 17:00		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05/04/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2°C, 4°C, 6°C, 6°C	Chain of Custody Seal Number: 27961, 27963, 27984, 27985
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

TR Number: 5-314975591-050304-0002

LABORATORY COPY

PR provide: minary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: E0043

L

Date Shipped:	5/3/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023732
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M. Salch 5/3/04 18:30

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 James M. Salch	5/3/04 18:30	Elizabeth Istring	05/04/04 10:30
2 EA	05/04/04		
3			
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D/3
Transfer To:	EA 05/04/04
Lab Contract No:	
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0056	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-217410 (HCL), 5-217411 (HCL), 5-217412 (HCL), 5-217413 (HCL), 5-217414 (HCL), 5-217415 (HCL), 5-217416 (Ice Only), 5-217417 (Ice Only), 5-217418 (Ice Only), 5-217419 (Ice Only), 5-217420 (Ice Only), 5-217421 (Ice Only) (12)	G101	S: 5/3/2004	16:00	ME0056	EA 05/04/04
E0058	Ground Water/ Jim Salch	L/G	BNA (21), VOA (21)	5-217431 (HCL), 5-217432 (HCL), 5-217433 (Ice Only) (3)	Field Blank	S: 5/3/2004	16:40	ME0058	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: E0056	Additional Sampler Signature(s): EA 05/04/04	Cooler Temperature Upon Receipt: 2°C, 4°C, 6°C, 6°C	Chain of Custody Seal Number: 27984 + 27985, 27961 + 27963
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

TR Number: 5-314975591-050304-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: E0043

L

Date Shipped:	5/3/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023732
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M. Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
James M. Salch	5/3/04 18:30	Elizabeth Astuig	05/04/04 10:30
2	EA		
3		05/04/04	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D13
Transfer To:	EA
Lab Contract No:	05/04/04
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0058	Ground Water/ Jim Salch	L/G	PEST (21)	5-217434 (Ice Only) (1)	Field Blank	S: 5/3/2004	16:40	ME0058	EA 05/04/04

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05/04/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2°C 4°C, 6°C, 6°C	Chain of Custody Seal Number: 27984, 27985, 27961, 27963
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

PEST = CLP TCL Pesticide/PCBs

TR Number: 5-314975591-050304-0005

LABORATORY COPY

PR provides [illegible]inary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: E0043

L

Date Shipped:	5/5/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023205
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: [signature]

	Relinquished By (Date / Time)	Received By (Date / Time)
1	[signature] 5/5/04/1730	Elizabeth Astuig 05/06/04 10:00
2	EA	
3		05/06/04
4		

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D/3
Transfer To:	EA 05/06/04
Lab Contract No:	
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0077	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-66366 (HCL), 5-66367 (HCL), 5-66368 (Ice Only), 5-66369 (Ice Only) (4)	G106	S: 5/5/2004	8:40	ME0077	EA 05/06/04
E0079	Ground Water/ Ken Corkill	L/G	VOA (21)	5-66373 (HCL), 5-66374 (HCL) (2)	Trip Blank5/5/04	S: 5/5/2004	11:00		
E0080 *	Ground Water/ Jim Salch	L/G	BNA (21), PEST (21), VOA (21)	5-66375 (HCL), 5-66376 (HCL), 5-66377 (Ice Only), 5-66378 (Ice Only) (4)	G107	S: 5/5/2004	10:30	ME0080	

*= last sample in SDG E0043

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA	Additional Sampler Signature(s): 05/06/04	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Number: 82863
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA = CLP TCL Semivolatiles, PEST = CLP TCL Pesticide/PCBs, VOA = CLP TCL Volatiles

TR Number: 5-314975591-050504-0004

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 32839, and SDG No. E0043, Contract No. 68-W-03-018. Under this SDG there are 12 VOA, 10 SVOA and 10 PEST/PCB samples received at Ceimic Corporation on May 4 and 6, 2004.

EPA ID:	CEIMIC ID:	Analysis
E0043	040368-01	VOA, SVOA, PEST/PCB
E0045	040368-02	VOA, SVOA, PEST/PCB
E0051	040368-03	VOA, SVOA, PEST/PCB
E0053	040368-04	VOA, SVOA, PEST/PCB
E0061	040368-05	VOA
E0056	040368-06	VOA, SVOA, PEST/PCB
E0056MS	040368-06MS	VOA, SVOA, PEST/PCB
E0056MSD	040368-06MSD	VOA, SVOA, PEST/PCB
E0058	040368-07	VOA, SVOA, PEST/PCB
E0077	040368-08	VOA, SVOA, PEST/PCB
E0079	040368-09	VOA
E0080	040368-10	VOA, SVOA, PEST/PCB

(1) Sample Receipt

Cooler Temperatures upon receipt were 2°C, 4°C, 5°C and 6°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS12 HP5973 GC/MS, 30m, 0.25mm ID, 1.4 um, RTX-624 capillary column. OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS11 HP6890 GC, HP5973MS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD8: HP5890II (GC7) using 30m x 0.53mm ID, DB5 megabore column
AD9: HP5890II (GC7) using 30m x 0.53mm ID, DB1701 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The pHs of the water samples were:

Client ID:	Ceimic ID:	pH:
E0043	040368-01	1
E0045	040368-02	1
E0051	040368-03	1
E0053	040368-04	1
E0056	040368-05	1
E0058	040368-06	1
E0061	040368-07	1
E0077	040368-08	1
E0079	040368-09	1
E0080	040368-10	1

The air bill #UPS1Z621589 associated with samples E0043 and E0045 was received ripped in the upper left corner. The recovery of the spike compound trichloroethene was flagged as an outlier in the matrix spike and matrix spike duplicate.

B. SVOA Fraction (Method CLP SOW OLM04.3)

Aqueous Sample Reference Table:

Client ID	Ceimic ID
E0043	040368-01
E0045	040368-01
E0051	040368-03
E0053	040368-04
E0056	040368-06
E0058	040368-07
E0077	040368-08
E0080	040368-10

Manual quantitations were performed on one or more of the process files associated with this SDG, including samples E0045 and E0077. One base surrogate failed quality control criteria in E0043. The recovery of the spike compound 4-nitrophenol was flagged as an outlier in the matrix spike. The recoveries of the spike compounds 4-nitrophenol and pentachlorophenol were flagged as outliers in the matrix spike duplicate.

C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

No non-compliances noted.

Deviations from the SOW

None other than specified above.

End of SDG Narrative

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 diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Ines Bauer

Ines Bauer, Ph. D
Laboratory Manager

05/26/04
Date

ALKANE NARRATIVE REPORT
Report date : 05/18/2004
SDG: E0043

Client Sample ID: E0080 Lab Sample ID: 040368-10 File ID: K8340

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	11.37	10	J
Unknown Straight Chain Alkane	11.68	9	J
Unknown Straight Chain Alkane	12.01	10	J

Ryan Montalbano

From: Ryan Montalbano [rmontalbano@ceimic.com]
Sent: Tuesday, May 04, 2004 4:30 PM
To: Jessica Brown (E-mail)
Subject: Case 32839 airbill problems (05/04/04)

Hi Jessica.

The cooler containing samples E0043 and E0045 in Case 32839 contained an airbill which was partially torn off.

Since each airbill number provided by the sampler was subdivided after-the-fact by UPS (due to the fact that there were more coolers than airbills), we have no way of telling what this airbill number should have been. The tracking number starts with 1Z621589....

-Ryan

Ryan Montalbano
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Ceimic Corporation
10 Dean Knauss Drive
Narragansett, RI 02882
(401)782-8900
Fax (401)782-8905
rmontalbano@ceimic.com

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKLQ	100	88	94		0
02	E0056	100	88	98		0
03	E0056MS	98	88	104		0
04	E0056MSD	102	88	104		0
05	E0043	100	86	98		0
06	E0045	100	90	98		0
07	E0051	100	88	100		0
08	E0053	100	88	100		0
09	E0061	100	88	98		0
10	VBLKLR	98	90	98		0
11	E0058	96	88	102		0
12	E0077	98	86	98		0
13	E0079	96	88	98		0
14	E0080	96	86	102		0
15	VHBLK01	96	88	100		0
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix Spike - EPA Sample No.: E0056

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	58	116	61-145
Trichloroethene	50	0.0	61	122*	71-120
Benzene	50	0.0	57	114	76-127
Toluene	50	0.0	61	122	76-125
Chlorobenzene	50	0.0	60	120	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	58	116	0	14	61-145
Trichloroethene	50	61	122*	0	14	71-120
Benzene	50	58	116	2	11	76-127
Toluene	50	62	124	2	13	76-125
Chlorobenzene	50	59	118	2	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKLQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab File ID: LU256 Lab Sample ID: V120506-B1

Date Analyzed: 05/06/04 Time Analyzed: 1004

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0056	040368-06	LU266	1621
02	E0056MS	040368-06MS	LU267	1658
03	E0056MSD	040368-06MSD	LU268	1734
04	E0043	040368-01	LU269	1810
05	E0045	040368-02	LU270	1845
06	E0051	040368-03	LU271	1922
07	E0053	040368-04	LU272	1957
08	E0061	040368-05	LU273	2033
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKLR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab File ID: LU283 Lab Sample ID: V120507-B1

Date Analyzed: 05/07/04 Time Analyzed: 1643

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS12

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0058	040368-07	LU296	0033
02	E0077	040368-08	LU297	0109
03	E0079	040368-09	LU298	0144
04	E0080	040368-10	LU299	0219
05	VHBLK01	040368-21	LU300	0253
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COMMENTS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0043

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU269

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU269

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU269

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU270

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU270

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU270

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU271

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU271

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU271

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU272

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU272

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU272

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU266

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU266

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0056

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU266

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU267

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU267

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	61	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	61	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU268

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU268

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	61	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	59	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0058

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU296

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0058

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU296

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0058

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU296

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0061

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU273

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0061

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU273

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0061

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU273

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0077

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU297

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0077

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU297

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0077

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU297

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0079

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU298

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0079

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU298

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0079

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU298

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU299

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU299

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU299

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: V120506-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU256

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: V120506-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU256

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKLQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: V120506-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU256

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/06/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: V120507-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU283

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/07/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKLR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: V120507-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU283

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/07/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKLR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: V120507-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU283

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/07/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU300

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU300

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LU300

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/08/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKKY	82	84	82	77	72	89	77	66	0
02	E0045	80	82	58	81	76	88	83	74	0
03	E0051	70	76	60	69	67	84	71	66	0
04	E0053	78	82	72	79	73	92	79	66	0
05	E0056	74	78	44	71	69	83	73	70	0
06	E0056MS	76	80	62	73	71	91	75	70	0
07	E0056MSD	84	90	62	80	76	93	83	80	0
08	E0058	74	78	80	71	69	85	73	64	0
09	E0043	66	70	30*	59	63	71	65	62	1
10	SBLKKO	86	86	88	84	76	107	84	72	0
11	E0080	74	80	50	65	67	88	73	70	0
12	E0077	48	52	36	49	49	71	55	52	0
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix Spike - EPA Sample No.: E0056

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0.0	53	71	12-110
2-Chlorophenol	75	0.0	52	69	27-123
N-Nitroso-di-n-prop.(1)	50	0.0	38	76	41-116
4-Chloro-3-Methylphenol	75	0.0	64	85	23- 97
Acenaphthene	50	0.0	41	82	46-118
4-Nitrophenol	75	0.0	66	88*	10- 80
2,4-Dinitrotoluene	50	0.0	43	86	24- 96
Pentachlorophenol	75	0.0	75	100	9-103
Pyrene	50	0.0	50	100	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	60	80	12	42	12-110
2-Chlorophenol	75	60	80	15	40	27-123
N-Nitroso-di-n-prop.(1)	50	44	88	15	38	41-116
4-Chloro-3-Methylphenol	75	68	91	7	42	23- 97
Acenaphthene	50	46	92	11	31	46-118
4-Nitrophenol	75	72	96*	9	50	10- 80
2,4-Dinitrotoluene	50	48	96	11	38	24- 96
Pentachlorophenol	75	81	108*	8	50	9-103
Pyrene	50	53	106	6	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 3 out of 18 outside limits

COMMENTS: _____

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKY

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0043

Lab File ID: K8247

Lab Sample ID: S0506-B1K

Instrument ID: MS11

Date Extracted: 05/06/04

Matrix: (soil/water) WATER

Date Analyzed: 05/07/04

Level:(low/med) LOW

Time Analyzed: 1306

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0045	040368-02	K8259	05/07/04
02	E0051	040368-03	K8260	05/07/04
03	E0053	040368-04	K8261	05/07/04
04	E0056	040368-06	K8262	05/07/04
05	E0056MS	040368-06MS	K8263	05/07/04
06	E0056MSD	040368-06MSD	K8264	05/07/04
07	E0058	040368-07	K8265	05/07/04
08	E0043	040368-01	K8294	05/10/04
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab File ID: K8335 Lab Sample ID: S0507-BB1K

Instrument ID: MS11 Date Extracted: 05/07/04

Matrix: (soil/water) WATER Date Analyzed: 05/12/04

Level:(low/med) LOW Time Analyzed: 1317

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0080	040368-10	K8340	05/12/04
02	E0077	040368-08	K8373	05/13/04
03				
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COMMENTS:

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8294

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: ____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8294

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8294

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/10/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	4.47	400	J
2.	UNKNOWN SILOXANE	5.36	97	J
3. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	6.26	26	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8259

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8259

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8259

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8260

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8260

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8260

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8261

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8261

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8261

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8262

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8262

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0056

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8262

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8263

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	53	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	52	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	38	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	64	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	41	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8263

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	66	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	43	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	75	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	50	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8264

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	60	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	60	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	44	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	68	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	46	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8264

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	72	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	48	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	81	E
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	53	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0058

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8265

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0058

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8265

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0058

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8265

Level: (low/med) LOW Date Received: 05/04/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0077

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8373

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0077

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8373

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0077

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8373

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8340

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8340

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	7	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	6	J
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8340

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	4.47	530	J
2. 541-02-6	CYCLOPENTASILOXANE, DECAMETH	5.35	140	NJ
3. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	6.25	70	NJ
4.	UNKNOWN SILOXANE	7.34	26	J
5.	UNKNOWN SILOXANE	8.21	16	J
6.	UNKNOWN SILOXANE	8.85	16	J
7.	UNKNOWN SILOXANE	9.83	15	J
8.	UNKNOWN SILOXANE	10.96	11	J
9.	UNKNOWN SILOXANE	11.33	11	J
10.	UNKNOWN SILOXANE	11.75	13	J
11.	UNKNOWN SILOXANE	12.22	9	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0506-B1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8247

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0506-B1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8247

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0506-B1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8247

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/07/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0507-BB1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8335

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0507-BB1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8335

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKKO

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: S0507-BB1K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K8335

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/07/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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30.				

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

GC Column(1):DB5 ID:0.53(mm) GC Column(2):DB35 ID:0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK01	95	95	105	105			0
02	PBLK02	80	75	95	95			0
03	E0043	75	80	55	60			0
04	E0045	90	85	75	75			0
05	E0051	75	75	70	65			0
06	E0053	85	85	65	60			0
07	E0056	70	70	46	43			0
08	E0058	90	90	95	90			0
09	E0056MS	75	75	48	46			0
10	E0056MSD	90	90	50	49			0
11	E0077	60	70	60	60			0
12	E0080	75	75	70	75			0
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
S1 (TCX)	= Tetrachloro-m-xylene	(30-150)
S2 (DCB)	= Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix Spike - EPA Sample No.: E0056

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50	0.00	0.41	82	56-123
Heptachlor	0.50	0.00	0.33	66	40-131
Aldrin	0.50	0.00	0.39	78	40-120
Dieldrin	1.0	0.00	0.87	87	52-126
Endrin	1.0	0.00	0.91	91	56-121
4,4'-DDT	1.0	0.00	0.72	72	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.45	90	9	15	56-123
Heptachlor	0.50	0.36	72	9	20	40-131
Aldrin	0.50	0.43	86	10	22	40-120
Dieldrin	1.0	0.92	92	6	18	52-126
Endrin	1.0	0.96	96	5	21	56-121
4,4'-DDT	1.0	0.77	77	7	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab Sample ID: P0506-B5 Lab File ID: _____

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 05/06/04

Date Analyzed (1): 05/12/04 Date Analyzed (2): 05/12/04

Time Analyzed (1): 2223 Time Analyzed (2): 2223

Instrument ID (1): GC7 Instrument ID (2): GC7

GC Column (1): DB5 ID: 0.53(mm) GC Column (2): DB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0043	040368-01	05/13/04	05/13/04
02	E0045	040368-02	05/13/04	05/13/04
03	E0051	040368-03	05/13/04	05/13/04
04	E0053	040368-04	05/13/04	05/13/04
05	E0056	040368-06	05/13/04	05/13/04
06	E0058	040368-07	05/13/04	05/13/04
07	E0056MS	040368-06MS	05/13/04	05/13/04
08	E0056MSD	040368-06MSD	05/13/04	05/13/04
09				
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12				
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COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK02

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Lab Sample ID: P0510-B5 Lab File ID: _____

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 05/10/04

Date Analyzed (1): 05/12/04 Date Analyzed (2): 05/12/04

Time Analyzed (1): 2333 Time Analyzed (2): 2333

Instrument ID (1): GC7 Instrument ID (2): GC7

GC Column (1): DB5 ID: 0.53(mm) GC Column (2): DB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0077	040368-08	05/13/04	05/13/04
02	E0080	040368-10	05/13/04	05/13/04
03				
04				
05				
06				
07				
08				
09				
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26				

COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0043

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0045

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0051

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0053

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.41	
76-44-8	Heptachlor	0.33	
309-00-2	Aldrin	0.39	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.87	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.91	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.72	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0056MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-06MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.45	
76-44-8	Heptachlor	0.36	
309-00-2	Aldrin	0.43	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.92	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.96	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.77	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0058

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/04/04

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0077

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/06/04

Extraction: (Type) SEPF Date Extracted: 05/10/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0080

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: 040368-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/06/04

Extraction: (Type) SEPF Date Extracted: 05/10/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/13/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: P0506-B5

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/06/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0043

Matrix: (soil/water) WATER Lab Sample ID: P0510-B5

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/10/04

Concentrated Extract Volume: 10000(uL) Date Analyzed: 05/12/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0043 CERCLIS No: ILD005454566

Case No: 32839 Site Name/Location: US STEEL CORP. JOLIET WORKS

Contractor or EPA Lab: CEIMIC Data User: IEPA

No. of Samples: 10 Date Sampled or Date Received: 5-28-04

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: 10 No. of samples received: 10

Received by: Ema M. Dixon | ESAT Date: 5-28-04

Received by LSSS: Ema M. Dixon | ESAT Date: 5-28-04

Review started: 06-16-2004 Reviewer Signature: Stephanie Tobin

Total time spent on review: 8 hrs Date review completed: June 18, 2004

Copied by: Ema M. Dixon | ESAT Date: 6-21-04

Mailed to user by: Ema M. Dixon | ESAT Date: 6-21-04

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

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. Date: ____

DATE: June 21, 2004

IEPA
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Bob Casper

SITE NAME: US Steel Corp. Joliet Works

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
32839	Ceimic	19	E0074	Water

==========

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.
Date:_____

Signature:_____

JUN 2 4 2004

FROM: U.S. EPA
Region V
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Eva M. Dixon, Sr. Data Specialist
ESAT

JUN 2 1 2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on 5-28-04

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: US STEEL CORP. Joliet Works (IL)

CASE NUMBER: 32839 SDG NUMBER: E0074

Number and Type of Samples: 19 (Water)

Sample Numbers: E0074 - 76, 82 - 97

Laboratory: CEIMIC Hrs. for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SMF-4J

Case Number : 32839
Site Name: US STEEL CORP. Joliet Works (IL)

SDG Number: E0074
Laboratory: Ceimic

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

Nineteen (19) Water samples, numbered *E0074 - 76, 82 - 97,* were collected between the dates of 5/4/2004 and 5/6/2004. The lab received the samples between the dates of 5/5/2004 and 5/7/2004 in good condition. All samples were analyzed for the full list of organic analytes. All were analyzed according to CLP SOW OLM04.3.

Reviewed By: John Walton/Alion Science and Technology Corp.
Date: June 21, 2004

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corr esponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MS, E0086MSD, E0087, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, VBLKOQ, VBLKOR, VBLKOU, VHBLK01

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".

Dichlorodifluoromethane, Chloromethane, Methyl Acetate, 2-Butanone, 4-Methyl-2-pentanone, Tetrachloroethene
E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0087, E0088, E0089, VBLKOQ

Trichlorofluoromethane
VBLKOU, VHBLK01

2-Hexanone
E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MS, E0086MSD, E0087, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, VBLKOQ, VBLKOR

The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0087, E0088, E0089, VBLKOQ

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

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 flagged "UJ".

Benzaldehyde
E0082, E0087, E0087MS, E0087MSD, E0088, E0090, E0091, E0093, E0097, SBLKKU

Hexachlorocyclopentadiene
E0076, E0085, E0089, E0092, E0094, E0095, E0096, SBLKJQ, SBLKJW

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".

Benzaldehyde
E0082, E0087, E0087MS, E0087MSD, E0088, E0090, E0091, E0093, E0097, SBLKJQ, SBLKKU

2,2-oxybis(1-Chloropropane), Pentachlorophenol
E0076, E0085, E0089, E0092, E0094, E0095, E0096, SBLKJW

Caprolactam, 2-Nitroaniline, Di-n-butylphthalate
SBLKJQ

Hexachlorocyclopentadiene, 4-Nitrophenol, Butylbenzylphthalate, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate
E0076, E0085, E0089, E0092, E0094, E0095, E0096, SBLKJQ, SBLKJW

4. BLANKS

The following volatile 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" and non-detects are not flagged.

Methylene Chloride
E0086MS, E0086MSD, E0092

The following volatile 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 elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

Methylene Chloride
E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0087, E0088, E0089, E0090, E0091, E0093, E0094, E0095, E0096, E0097, VHBLK01

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

Trichloroethene
VHBLK01

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

Toluene
E0086MS, E0086MSD, E0088

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

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.

E0076, E0088, E0091, E0092

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.

E0076DL, E0082DL, E0087DL, E0088DL

The following undiluted pesticide samples have surrogate percent recoveries of less than 10%. Hits are qualified "J" and non-detects are qualified "R".

E0087

The following pesticide samples have surrogate percent recoveries outside the lower limit of the criteria window, but greater than 10%. Hits are qualified "J" and non-detects are qualified "UJ".

E0090

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

The following diluted pesticide samples have surrogate percent recoveries outside the lower limit of the criteria window, but greater than 10%. Hits and non-detects are not flagged.

E0087DL, E0090DL

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Hits and non-detects are not flagged. Hits in the unspiked sample, E0087, are qualified "J" and non-detects are flagged "UJ".

E0087MS, E0087MSD
Pyrene

7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as a field blanks or field duplicates.

8. INTERNAL STANDARDS

No defects found.

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".

E0074
Acetone

E0075
Trichlorofluoromethane, Trichloroethene

E0076
Acetone, Carbon Disulfide

E0085
Trichloroethene

Reviewed By: John Walton/Alion Science and Technology Corp.
Date: June 21, 2004

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

E0086MS, E0086MSD
Acetone

E0087
Acetone, Carbon Disulfide

E0088
Carbon Disulfide, Cyclohexane, Benzene, Trichloroethene, Methylcyclohexane, Toluene, Ethylbenzene

E0090
Acetone

E0091
Acetone, 2-Butanone

E0092
2-Butanone, Cyclohexane, Isopropylbenzene

E0093
Acetone, 2-Butanone, 1,1,2-Trichloroethane

E0094, E0095
Carbon Disulfide

E0096
Carbon Disulfide, Isopropylbenzene

E0097
Carbon Disulfide, 2-Butanone, 1,1,2,2-Tetrachloroethane

VBLKOQ
Methylene Chloride

VBLKOR, VBLKOU
Methylene Chloride, Trichloroethene

VHBLK01
Toluene

Adjusted CRQL values of the following volatile samples are less than the contract specified CRQLs. The contract specified CRQL values are used by CADRE during data validation and reported for non-detected compounds.

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Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

E0074, E0085, E0089

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

E0074
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

E0075
Naphthalene, Acenaphthylene, Phenanthrene, Anthracene, bis(2-Ethylhexyl)phthalate, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

E0076
4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Dibenzofuran, Anthracene, Carbazole, Benzo(a)pyrene, Dibenzo (a,h) - anthracene

E0082
Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E0083
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

E0084
Naphthalene, Caprolactam, 2-Methylnaphthalene, Dibenzofuran, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

E0085
2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Dibenzo (a,h) - anthracene

E0086
2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

E0086MS
Naphthalene, 2-Methylnaphthalene, 1,1'-Biphenyl, Pentachlorophenol, Anthracene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate,

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

E0086MSD
Naphthalene, 2-Methylnaphthalene, 1,1'-Biphenyl, Dibenzofuran, Pentachlorophenol, Anthracene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

E0087
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, Anthracene, Carbazole, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

E0087MS
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Carbazole, bis(2-Ethylhexyl)phthalate, Dibenzo (a,h) - anthracene

E0087MSD
2-Methylnaphthalene, Phenanthrene, Anthracene, Benzo(a)anthracene, Chrysene

E0088
Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene

E0089
2-Methylnaphthalene, Phenanthrene, Pyrene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) - anthracene, Benzo (g,h,i) perylene

E0090
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene

E0091
Acenaphthene, Fluorene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo (g,h,i) perylene

E0092
2-Methylnaphthalene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(a)pyrene, Benzo (g,h,i) perylene

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

E0093
Phenanthrene

E0094
Benzaldehyde, 4-Methylphenol, Dibenzofuran, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

E0095
Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, bis(2-Ethylhexyl)phthalate

E0096
Benzaldehyde, bis(2-Ethylhexyl)phthalate

E0097
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

SBLKJW
bis(2-Ethylhexyl)phthalate

Adjusted CRQL values of the following semivolatile samples are less than the contract specified CRQLs. The contract specified CRQL values are used by CADRE during data validation and reported for non-detected compounds.

E0093

The following pesticide samples have analytes for which the percent difference between columm results exceeds primary criteria. Hits are qualified "J".

E0076
beta-BHC, Heptachlor epoxide, alpha-Chlordane

E0082
beta-BHC, 4,4-DDE, 4,4-DDT, Endrin ketone

E0082DL
4,4-DDT

E0083
Heptachlor epoxide, Endrin, Endosulfan II, 4,4-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, alpha-Chlordane

Case Number : 32839 SDG Number: E0074
Site Name: US STEEL CORP. Joliet Works (IL) Laboratory: Ceimic

E0083DL
alpha-Chlordane

E0084
Heptachlor epoxide, Endrin, Endosulfan II, 4,4-DDT, Endrin ketone, Endrin aldehyde

E0084DL
Endosulfan II

E0085, E0086
Endrin ketone

E0086MS, E0086MSD
gamma-BHC (Lindane), Heptachlor, Dieldrin, Endrin, 4,4-DDT

E0087
beta-BHC, Aldrin, 4,4-DDE, Endrin ketone, alpha-Chlordane

E0088
beta-BHC, delta-BHC, Dieldrin, Endrin, Methoxychlor, Endrin aldehyde, gamma-Chlordane

E0090
4,4-DDE, Endosulfan II, 4,4-DDT, Endrin ketone, Endrin aldehyde, alpha-Chlordane

E0091
4,4-DDT, Endrin ketone

E0092
Endrin ketone, alpha-Chlordane

E0093
Heptachlor epoxide, Endrin ketone

E0094, E0095
Endrin ketone

E0097
Heptachlor epoxide, 4,4-DDE, Endrin ketone, alpha-Chlordane

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

Verification of volatile non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MS, E0086MSD, E0087, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, VBLKOQ, VBLKOR, VBLKOU, VHBLK01

Verification of semivolatile non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E0074, E0075, E0076, E0082, E0083, E0084, E0085, E0086, E0086MS, E0086MSD, E0087, E0087MS, E0087MSD, E0088, E0089, E0090, E0091, E0092, E0093, E0094, E0095, E0096, E0097, SBLKDH, SBLKDI, SBLKJQ, SBLKJW, SBLKKU

Verification of pesticide/PCB non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E0074, E0075, E0076, E0076DL, E0082, E0082DL, E0083, E0083DL, E0084, E0084DL, E0085, E0086, E0086MS, E0086MSD, E0087, E0087DL, E0088, E0088DL, E0089, E0090, E0090DL, E0091, E0092, E0093, E0093DL, E0094, E0095, E0095DL, E0096, E0097, E0097DL, PBLK01, PBLK02

The following samples had one or more pesticide analyte that exceeded the calibration range. The samples were diluted and the results from the dilution were used as the final reported value for this analyte:

E0088
beta-BHC, alpha-Chlordane

The following semivolatile sample has a target analyte identified as a TIC. Positive results are qualified "J" and non-detects are qualified "UJ".

E0074, E0075, E0085, E0086
Benzo(k)fluoranthene

E0076
Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(k)fluoranthene

Case Number : 32839 SDG Number: E0074
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E0083
2-Methylnaphthalene

E0095
Benzo(a)pyrene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene

Reviewed By: John Walton/Alion Science and Technology Corp.
Date: June 21, 2004

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.
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)

TICS

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0074
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X117
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.92	13	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0074
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X117
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	7.43	110	J
	UNKNOWN	11.87	84	J
	UNKNOWN FATTY ACID	12.15	81	J
	UNKNOWN PAH	12.25	130	J
	UNKNOWN PAH	12.81	99	J
	UNKNOWN KETONE	15.07	140	J
	UNKNOWN AMIDE	15.40	160	J
	UNKNOWN	15.58	100	J
	UNKNOWN ALCOHOL/ALKENE	15.77	530	J
	UNKNOWN	15.99	260	J
	UNKNOWN	16.22	220	J
	UNKNOWN	16.30	610	J
	UNKNOWN	18.77	170	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0075
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X111
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.92	21	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0075
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X111
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	12.09	170	J
84651	9,10-ANTHRACENEDIONE	12.57	130	NJ
	UNKNOWN	12.81	110	J
	UNKNOWN AROMATIC COMPOUND	14.87	200	J
	UNKNOWN	15.74	120	J
	UNKNOWN	16.02	140	J
	UNKNOWN	16.50	170	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0076
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X113
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.92	34	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0076
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X113
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
95136	INDENE	6.54	1600	NJ
	UNKNOWN	12.21	730	J
	UNKNOWN PAH	13.46	530	J
243174	11H-BENZO[B]FLUORENE	13.58	1400	NJ
	UNKNOWN PAH	13.81	1100	J
	UNKNOWN	13.91	480	J
	UNKNOWN	14.04	450	J
82053	7H-BENZ[DE]ANTHRACEN-7-ONE	14.16	1300	NJ
	UNKNOWN PAH	14.33	660	J
	UNKNOWN PAH	14.38	5000	JD
205436	BENZO[B]NAPHTHO[1,2-D]THIOPHENE	14.50	890	NJ
	UNKNOWN	14.86	570	J
	UNKNOWN AROMATIC COMPOUND	14.93	430	J
1090137	5,12-NAPHTHACENEDIONE	15.26	2500	NJ
	UNKNOWN PAH	15.37	440	J
	UNKNOWN	15.97	1700	J
	UNKNOWN	16.07	790	J
	UNKNOWN	16.20	930	J
	UNKNOWN	16.48	450	J
	UNKNOWN	16.71	580	J
	UNKNOWN	16.84	620	J
	UNKNOWN AROMATIC COMPOUND	17.83	1100	J
	UNKNOWN	19.39	450	J
	UNKNOWN PAH	20.20	840	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0082
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X129
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.91	10	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0082
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X129
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	11.35	2700	J
	UNKNOWN	11.38	3400	J
	UNKNOWN AMIDE	11.82	8500	J
	UNKNOWN	12.81	2900	J
	UNKNOWN	13.98	4100	J
5858184	BENZENETHIOL, 2,5-DICHLORO-	16.40	3500	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0083
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X126
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	34	J

*: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0083
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X126
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
571584	NAPHTHALENE, 1,4-DIMETHYL-	9.63	1600	NJ
	UNKNOWN PAH	10.11	1500	J
	UNKNOWN PAH	10.24	750	J
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	10.46	700	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.82	1600	NJ
	UNKNOWN AROMATIC COMPOUND	11.41	860	J
	UNKNOWN AMIDE	11.81	480	J
	UNKNOWN	11.90	930	J
	UNKNOWN AROMATIC COMPOUND	12.26	1100	J
	UNKNOWN SILOXANE	12.84	790	J
	UNKNOWN	15.83	550	J
	UNKNOWN PAH	16.48	1200	J
	UNKNOWN	16.77	580	J
	UNKNOWN	17.28	1100	J
	UNKNOWN	17.69	590	J
	UNKNOWN	18.07	720	J
	UNKNOWN AROMATIC COMPOUND	18.85	2600	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0084
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X126A
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	17	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0084
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X126A
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
573988	NAPHTHALENE, 1,2-DIMETHYL-	9.63	1800	NJ
	UNKNOWN PAH	10.23	670	J
829265	NAPHTHALENE, 2,3,6-TRIMETHYL-	10.34	1000	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	10.46	840	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.83	2200	NJ
	UNKNOWN AROMATIC COMPOUND	11.42	1200	J
	UNKNOWN ALCOHOL/ALKENE	11.82	700	J
	UNKNOWN	11.90	1600	J
883205	PHENANTHRENE, 9-METHYL-	12.27	1300	NJ
84651	9,10-ANTHRACENEDIONE	12.58	620	NJ
	UNKNOWN	12.85	1200	J
	UNKNOWN	15.64	460	J
	UNKNOWN	16.31	870	J
	UNKNOWN	16.82	880	J
	UNKNOWN PAH	17.14	680	J
	UNKNOWN	17.31	1600	J
	UNKNOWN	18.10	830	J
	UNKNOWN	18.87	4100	JD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0085
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X127
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	9	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0085
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X127
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
569415	NAPHTHALENE, 1,8-DIMETHYL-	9.58	680	NJ
571584	NAPHTHALENE, 1,4-DIMETHYL-	9.73	270	NJ
2131411	NAPHTHALENE, 1,4,5-TRIMETHYL-	10.56	250	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.92	280	NJ
	UNKNOWN PAH	12.43	310	J
	UNKNOWN PAH	12.56	89	J
84651	9,10-ANTHRACENEDIONE	12.61	77	NJ
3674666	PHENANTHRENE, 2,5-DIMETHYL-	12.84	110	NJ
	UNKNOWN PAH	13.44	240	J
238846	11H-BENZO[A]FLUORENE	13.55	440	NJ
	UNKNOWN PAH	13.62	280	J
2381217	PYRENE, 1-METHYL-	13.78	780	NJ
82053	7H-BENZ[DE]ANTHRACEN-7-ONE	14.13	510	NJ
	UNKNOWN	14.25	980	J
	UNKNOWN	14.82	170	J
1090137	5,12-NAPHTHACENEDIONE	15.67	600	NJ
602551	ANTHRACENE, 9-PHENYL-	16.03	650	NJ
205823	BENZO[J]FLUORANTHENE	17.17	260	NJ
	UNKNOWN	18.21	990	J
	UNKNOWN	18.78	240	J
	UNKNOWN	19.13	830	J
	UNKNOWN PAH	19.46	270	J
	UNKNOWN PAH	19.61	520	J
	UNKNOWN PAH	20.15	1600	J
	UNKNOWN	20.95	550	J
	UNKNOWN	22.70	460	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0086
Sample Type:	Spike Original		
Lab ID:	CEIMIC	Location:	X144
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	21	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0086
Sample Type:	Spike Original		
Lab ID:	CEIMIC	Location:	X144
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
90120	NAPHTHALENE, 1-METHYL-	8.68	120	NJ
571584	NAPHTHALENE, 1,4-DIMETHYL-	9.63	210	NJ
54789456	3-BUTEN-2-ONE, 1-(2,3,6-TRIMETHYLPHENYL)	10.10	130	NJ
7320538	DIBENZOFURAN, 4-METHYL-	10.82	150	NJ
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	11.42	85	NJ
	UNKNOWN	11.89	96	J
613127	ANTHRACENE, 2-METHYL-	12.27	130	NJ
	UNKNOWN PAH	12.84	170	J
25732745	3,4-DIHYDROCYCLOPENTA(CD)PYRENE (ACEPYRE	14.24	88	NJ
	UNKNOWN ALCOHOL/ALKENE	15.56	150	J
	UNKNOWN	15.82	220	J
	UNKNOWN	16.05	260	J
	UNKNOWN	16.26	150	J
192972	BENZO[E]PYRENE	16.35	130	NJ
5875456	PHENOL, 2,5-BIS(1,1-DIMETHYLETHYL)-	18.07	140	NJ
1014706	1,3,5-TRIAZINE-2,4-DIAMINE, N,N'-DIETHYL	18.47	160	NJ
5875456	PHENOL, 2,5-BIS(1,1-DIMETHYLETHYL)-	18.83	200	NJ
958714	11H-DIBENZO[C,F][1,2]DIAZEPINE, 3,8-DICH	19.86	90	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0087
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X138
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	13	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0087
Sample Type:	Spike Original		
Lab ID:	CEIMIC	Location:	X138
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN PAH	7.88	5900	J
	UNKNOWN	8.53	4900	J
	UNKNOWN	8.63	4600	J
	UNKNOWN AROMATIC COMPOUND	8.75	17000	J
	UNKNOWN	8.87	7800	J
	UNKNOWN FATTY ACID	9.35	16000	J
	UNKNOWN PAH	9.41	8100	J
	UNKNOWN	9.49	23000	J
	UNKNOWN	9.93	9900	J
	UNKNOWN PAH	10.44	50000	J
	UNKNOWN PAH	10.49	42000	J
	UNKNOWN	10.87	30000	J
	UNKNOWN	11.01	21000	J
	UNKNOWN	12.36	3700	J
	UNKNOWN	12.83	3900	J
	UNKNOWN	15.86	3500	J
	UNKNOWN	15.93	6200	J
	UNKNOWN	16.00	3600	J
	UNKNOWN	16.74	5100	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0088
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X143
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	CYCLIC ALKANE	15.53	250	J
	BRANCHED ALKANE	15.90	230	J
	CYCLIC ALKANE	16.02	270	J
	BRANCHED ALKANE	16.11	160	J
	BRANCHED ALKANE	16.36	140	J
	BRANCHED ALKANE	16.47	260	J
	UNKNOWN ALKENE	16.68	520	J
	CYCLIC ALKANE	16.91	190	J
	CYCLIC ALKENE	17.00	230	J
	CYCLIC ALKANE	17.09	430	J
	UNKNOWN	17.16	180	J
	CYCLIC ALKANE	17.40	150	J
	BRANCHED ALKANE	17.56	150	J
	BRANCHED ALKANE	17.63	770	J
	BRANCHED ALKANE	17.84	240	J
	C3-BENZENE ISOMER	17.90	99	J
	CYCLIC ALKANE	18.01	410	J
	BRANCHED ALKANE	18.20	390	J
	BRANCHED ALKANE	18.26	290	J
	CYCLIC ALKANE	18.38	180	J
	BRANCHED ALKANE	18.44	220	J
141935	BENZENE, 1,3-DIETHYL-	18.54	570	NJ
91178	NAPHTHALENE, DECAHYDRO-	18.64	490	NJ
	CYCLIC ALKANE	19.09	540	J
2870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	19.18	740	NJ
	C4-BENZENE ISOMER	19.33	680	J
	UNKNOWN KETONE	19.44	170	J
89827	PULEGONE	19.53	520	NJ
	CYCLIC ALKANE	19.67	650	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.72	750	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.79	980	NJ
	C4-BENZENE ISOMER	19.90	430	J
	UNKNOWN	20.03	200	J
27133933	2,3-DIHYDRO-1-METHYLINDENE	20.14	450	NJ
	C5-BENZENE ISOMER	20.23	230	J
	UNKNOWN	20.35	1300	J
	BRANCHED ALKANE	20.54	430	J
54411120	BENZENE, (2-CHLORO-2-BUTENYL)-	20.71	310	NJ
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	20.78	390	NJ
	UNKNOWN	20.85	510	J
	TETRAHYDRO-NAPHTHALENE ISOMER	20.98	370	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0088
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X143
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	DECAHYDRONAPHTHALENE ISOMER	21.21	300	J
	C5-BENZENE ISOMER	21.42	330	J
1559815	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-1-METHYL	21.68	390	NJ
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	21.91	500	NJ
	C5-BENZENE ISOMER	22.09	94	J
	UNKNOWN	22.17	220	J
769255	BENZENE, 2-ETHENYL-1,3,5-TRIMETHYL-	22.35	120	NJ
90120	NAPHTHALENE, 1-METHYL-	22.84	320	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0088
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X143
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN AROMATIC COMPOUND	6.25	38000	J
	UNKNOWN AROMATIC COMPOUND	6.29	47000	J
90120	NAPHTHALENE, 1-METHYL-	6.47	200000	NJD
	UNKNOWN	6.51	69000	J
4175546	NAPHTHALENE, 1,2,3,4-TETRAHYDRO-1,4-DIME	6.95	43000	NJ
939275	NAPHTHALENE, 2-ETHYL-	6.98	55000	NJ
575439	NAPHTHALENE, 1,6-DIMETHYL-	7.06	240000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	7.16	190000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	7.29	77000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	7.40	75000	NJD
	UNKNOWN ALCOHOL/ALKENE	7.43	51000	J
	UNKNOWN PAH	7.71	71000	JD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.79	130000	NJD
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	7.88	53000	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	7.90	63000	NJ
829265	NAPHTHALENE, 2,3,6-TRIMETHYL-	7.97	61000	NJ
	UNKNOWN PAH	8.07	41000	J
	UNKNOWN	8.26	54000	J
	UNKNOWN	8.32	54000	J
	UNKNOWN	8.38	49000	J
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	8.46	74000	NJD
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	8.53	57000	NJ
	UNKNOWN	8.65	160000	JD
	UNKNOWN	8.71	29000	J
	UNKNOWN AROMATIC COMPOUND	8.87	72000	JD
	UNKNOWN	9.17	76000	JD
	UNKNOWN	9.24	74000	JD
	UNKNOWN PAH	9.38	63000	J
	UNKNOWN PAH	9.40	86000	JD
3674666	PHENANTHRENE, 2,5-DIMETHYL-	9.84	67000	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0089
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X114
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.92	9	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0089
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X114
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	7.57	92	J
575371	NAPHTHALENE, 1,7-DIMETHYL-	9.58	240	NJ
829265	NAPHTHALENE, 2,3,6-TRIMETHYL-	10.56	86	NJ
	UNKNOWN	12.77	100	J
	UNKNOWN ALCOHOL/ALKENE	13.01	400	J
	UNKNOWN	21.99	590	J
	UNKNOWN	23.76	840	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0090
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X116
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	10	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0090
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X116
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	11.50	3200	J
	UNKNOWN	11.68	2900	J
	UNKNOWN	11.74	4200	J
	UNKNOWN	11.90	2700	J
	UNKNOWN	11.94	3100	J
	UNKNOWN	12.50	3300	J
	UNKNOWN	12.88	6400	J
	UNKNOWN	14.47	3800	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0091
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X142
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN SILOXANE	16.91	11	J
	BRANCHED ALKANE	17.61	10	J
1758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	19.17	14	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	19.31	18	NJ
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	19.51	25	NJ
	CYCLIC ALKANE	19.65	16	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.70	23	NJ
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.79	39	NJ
	UNKNOWN HYDROCARBON	19.89	11	J
	BRANCHED ALKANE	19.94	8	J
824226	1H-INDENE, 2,3-DIHYDRO-4-METHYL-	20.12	11	NJ
	UNKNOWN HYDROCARBON	20.33	65	J
	BRANCHED ALKANE	20.53	30	J
	CYCLIC ALKENE	20.58	11	J
	HALOGENATED HYDROCARBON	20.70	11	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	20.77	24	NJ
	C5-BENZENE ISOMER	20.83	21	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	20.96	19	NJ
	UNKNOWN HYDROCARBON	21.19	19	J
	BRANCHED ALKANE	21.31	20	J
	TETRAHYDRO-NAPHTHALENE ISOMER	21.41	20	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	21.67	29	NJ
	CYCLIC ALKANE	21.78	12	J
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	21.90	48	NJ
	C5-BENZENE ISOMER	22.08	12	J
	UNKNOWN	22.17	28	J
	UNKNOWN	22.25	15	J
1129299	BENZENE, 1-(1-METHYLETHENYL)-3-(1-METHYL	22.36	16	NJ
54340862	BENZENE, 4-(2-BUTENYL)-1,2-DIMETHYL-, (E	22.67	15	NJ
90120	NAPHTHALENE, 1-METHYL-	22.83	110	NJ
	UNKNOWN	23.15	13	J
	TETRAHYDRONAPTHALENE ISOMER	23.49	11	J
939275	NAPHTHALENE, 2-ETHYL-	23.78	40	NJ
1127760	NAPHTHALENE, 1-ETHYL-	23.83	26	NJ
571619	NAPHTHALENE, 1,5-DIMETHYL-	23.94	54	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0091
Sample Type:	Routine Sample		
ab ID:	CEIMIC	Location:	X142
se No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
2471832	1H-INDENE, 1-ETHYLIDENE-	6.47	11000	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	7.06	14000	NJ
575371	NAPHTHALENE, 1,7-DIMETHYL-	7.16	13000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.64	8300	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	7.76	10000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.79	10000	NJ
	UNKNOWN PAH	8.60	7700	J
1730376	9H-FLUORENE, 1-METHYL-	8.65	20000	NJ
	UNKNOWN	8.76	8900	J
	UNKNOWN	8.86	6600	J
	UNKNOWN AROMATIC COMPOUND	9.06	9000	J
	UNKNOWN PAH	9.08	6900	J
	UNKNOWN	9.12	8900	J
4612639	9H-FLUORENE, 2,3-DIMETHYL-	9.18	11000	NJ
	UNKNOWN	9.24	16000	J
832699	PHENANTHRENE, 1-METHYL-	9.38	21000	NJ
613127	ANTHRACENE, 2-METHYL-	9.40	28000	NJ
	UNKNOWN PAH	9.74	16000	J
1576676	PHENANTHRENE, 3,6-DIMETHYL-	9.77	11000	NJ
3674666	PHENANTHRENE, 2,5-DIMETHYL-	9.84	26000	NJ
	UNKNOWN PAH	9.86	12000	J
	UNKNOWN	10.11	11000	J
	UNKNOWN PAH	10.20	13000	J
	UNKNOWN PAH	10.42	9900	J
	UNKNOWN PAH	10.50	11000	J
	UNKNOWN PAH	10.58	10000	J
2381217	PYRENE, 1-METHYL-	10.61	8600	NJ
	UNKNOWN PAH	11.48	9600	J
	UNKNOWN	11.62	8300	J
	UNKNOWN	11.70	9600	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0092
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X140
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	CYCLIC ALKANE	11.58	97	J
	CYCLIC ALKANE	12.36	88	J
	CYCLIC ALKANE	13.44	95	J
	CYCLIC ALKANE	13.54	100	J
	CYCLIC ALKANE	13.65	130	J
	STRAIGHT-CHAIN ALKENE	13.92	71	J
	CYCLIC ALKANE	14.06	77	J
694724	PENTALENE, OCTAHYDRO-	14.63	89	NJ
	CYCLIC ALKANE	14.91	130	J
	CYCLIC ALKANE	15.00	95	J
	CYCLIC ALKANE	15.07	130	J
	CYCLIC ALKENE	15.26	57	J
4926787	CYCLOHEXANE, 1-ETHYL-4-METHYL-, CIS-	15.50	170	NJ
	CYCLIC ALKANE	15.68	66	J
	BRANCHED ALKANE	15.88	260	J
	CYCLIC ALKANE	16.01	240	J
	UNKNOWN	16.27	92	J
	BRANCHED ALKANE	16.45	87	J
	UNKNOWN HYDROCARBON	16.50	86	J
	CYCLIC ALKANE	16.66	190	J
	UNKNOWN HYDROCARBON	16.98	64	J
	CYCLIC ALKANE	17.07	150	J
	UNKNOWN	17.18	100	J
3868642	PENTALENE, OCTAHYDRO-2-METHYL-	17.39	120	NJ
	BRANCHED ALKANE	17.61	110	J
	CYCLIC ALKANE	17.99	150	J
	UNKNOWN HYDROCARBON	18.50	130	J
	DECAHYDRONAPHTHALENE ISOMER	18.62	86	J
135013	BENZENE, 1,2-DIETHYL-	18.81	78	NJ
	CYCLIC ALKANE	18.85	79	J
2870044	BENZENE, 2-ETHYL-1,3-DIMETHYL-	19.17	160	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	19.31	280	NJ
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	19.51	140	NJ
	CYCLIC ALKANE	19.65	100	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	19.70	160	NJ
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	19.80	90	NJ
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	19.89	74	NJ
4706892	BENZENE, 2,4-DIMETHYL-1-(1-METHYLETHYL)-	20.01	54	NJ
3454077	BENZENE, 1-ETHENYL-4-ETHYL-	20.12	69	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	20.33	370	NJ
6682719	1H-INDENE, 2,3-DIHYDRO-4,7-DIMETHYL-	20.77	150	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0092
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X140
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	20.83	83	J
17059482	1H-INDENE, 2,3-DIHYDRO-1,6-DIMETHYL-	20.96	200	NJ
	CYCLIC ALKANE	21.10	77	J
	C5-BENZENE ISOMER	21.20	62	J
	C5-BENZENE ISOMER	21.41	53	J
4175535	1H-INDENE, 2,3-DIHYDRO-1,3-DIMETHYL-	21.67	82	NJ
17057828	1H-INDENE, 2,3-DIHYDRO-1,2-DIMETHYL-	21.90	120	NJ
	UNKNOWN	22.17	83	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0092
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X140
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
120	NAPHTHALENE, 1-METHYL-	8.79	120000	NJD
9275	NAPHTHALENE, 2-ETHYL-	9.38	38000	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	9.46	53000	NJ
575371	NAPHTHALENE, 1,7-DIMETHYL-	9.58	210000	NJD
581408	NAPHTHALENE, 2,3-DIMETHYL-	9.73	78000	NJD
939275	NAPHTHALENE, 2-ETHYL-	9.86	37000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	10.15	52000	NJ
2245387	NAPHTHALENE, 1,6,7-TRIMETHYL-	10.30	73000	NJ
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	10.46	96000	NJD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	10.56	89000	NJD
	UNKNOWN AROMATIC COMPOUND	10.89	55000	J
529055	AZULENE, 7-ETHYL-1,4-DIMETHYL-	11.16	29000	NJ
	UNKNOWN PAH	11.40	67000	J
	UNKNOWN	11.94	33000	J
610480	ANTHRACENE, 1-METHYL-	12.30	40000	NJ
832644	PHENANTHRENE, 4-METHYL-	12.34	51000	NJ
613127	ANTHRACENE, 2-METHYL-	12.42	95000	NJD
	UNKNOWN	12.64	40000	J
52251715	ANTHRACENE, 2-ETHYL-	12.74	31000	NJ
1576676	PHENANTHRENE, 3,6-DIMETHYL-	12.77	47000	NJ
3674666	PHENANTHRENE, 2,5-DIMETHYL-	12.85	130000	NJD
3674735	PHENANTHRENE, 2,3,5-TRIMETHYL-	13.28	33000	NJ
	UNKNOWN PAH	13.57	54000	J
3442782	PYRENE, 2-METHYL-	13.70	58000	NJ
	UNKNOWN	14.11	44000	J
64401214	PYRENE, 1,3-DIMETHYL-	14.28	39000	NJ
	UNKNOWN	14.75	68000	J
	UNKNOWN PAH	15.17	43000	J
	UNKNOWN	18.15	91000	JD
	UNKNOWN	19.86	52000	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0093
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X133
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	CYCLIC ALKANE	14.92	7	J
	UNKNOWN	15.46	9	J
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.90	15	NJ
	NAPHTHALENE ISOMER	20.08	6	J
	BRANCHED ALKANE	20.54	6	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0093
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X133
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
3658808	TRISULFIDE, DIMETHYL	4.48	3800	NJ
	UNKNOWN	5.93	2700	J
	UNKNOWN	6.33	2500	J
	UNKNOWN	6.64	2200	J
	UNKNOWN	8.37	2100	J
	UNKNOWN	8.46	2400	J
	UNKNOWN	9.23	2500	J
	UNKNOWN ALCOHOL/ALKENE	9.30	4200	J
	UNKNOWN	9.65	4500	J
	UNKNOWN	9.82	2500	J
	UNKNOWN	9.95	2600	J
	UNKNOWN	11.72	2800	J
	UNKNOWN	12.10	3400	J
	UNKNOWN	13.36	3000	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0094
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X134
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.91	11	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0094
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X134
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
575417	NAPHTHALENE, 1,3-DIMETHYL-	9.73	740	NJ
829265	NAPHTHALENE, 2,3,6-TRIMETHYL-	10.57	740	NJ
	UNKNOWN	10.92	690	J
13150817	2,6-DIMETHYLDECANE	11.58	1000	NJ
	UNKNOWN	12.04	380	JD
779022	ANTHRACENE, 9-METHYL-	12.42	1200	NJ
35465715	2-PHENYLNAPHTHALENE	12.57	460	NJD
	UNKNOWN	12.63	370	JD
	UNKNOWN	15.27	450	JD
	UNKNOWN	15.68	800	J
	UNKNOWN KETONE	16.13	590	J
	UNKNOWN	16.24	640	J
	UNKNOWN	17.60	1500	J
	UNKNOWN PAH	19.15	1200	J
	UNKNOWN	19.46	1200	J
	UNKNOWN	19.65	1100	J
14021239	D-FRIEDOOLEAN-14-ENE, 3-METHOXY-, (3.BET	20.22	30000	NJD
	UNKNOWN PAH	20.49	9100	JD
	UNKNOWN	22.28	760	J
16595805	LEVAMISOLE HYDROCHLORIDE	22.72	580	NJ
604397	ANDROST-4-EN-3-ONE, 17-HYDROXY-, (10.ALP	22.87	1300	NJ
0000	PYRROLIDIN-5-ONE, 2,3-DEDIHYDRO-3-NITRO-	23.39	500	NJD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0095
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X135
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.90	13	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0095
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X135
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	6.09	410	J
1210124	9-ANTHRACENECARBONITRILE	13.40	230	NJ
2381217	PYRENE, 1-METHYL-	13.45	200	NJ
238846	11H-BENZO[A]FLUORENE	13.57	280	NJ
	UNKNOWN PAH	13.69	210	J
239350	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	14.29	340	NJ
	UNKNOWN PAH	14.78	240	J
	UNKNOWN AROMATIC COMPOUND	14.91	340	J
	UNKNOWN PAH	15.23	240	J
1090137	5,12-NAPHTHACENEDIONE	15.70	390	NJ
	UNKNOWN AROMATIC COMPOUND	16.05	790	J
	UNKNOWN	16.25	600	J
	UNKNOWN	16.70	360	J
	UNKNOWN	16.78	340	J
205823	BENZO[J]FLUORANTHENE	16.90	3500	NJ
198550	PERYLENE	17.19	790	NJ
	UNKNOWN	18.20	680	J
14021239	D-FRIEDOOLEAN-14-ENE, 3-METHOXY-, (3.BET	20.23	23000	NJ
215587	BENZO[B]TRIPHENYLENE	20.34	330	NJ
	UNKNOWN	20.50	3100	J
	UNKNOWN	21.65	790	J
	UNKNOWN	21.92	880	J
	UNKNOWN	22.31	490	J
	UNKNOWN PAH	22.73	1700	J
	UNKNOWN	23.49	310	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0096
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X112
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	6.09	400	J
112345	ETHANOL, 2-(2-BUTOXYETHOXY)-	7.58	230	NJ
1074891	1H-PURINE, 6-METHOXY-	11.28	260	NJ
	UNKNOWN	12.22	370	J
	UNKNOWN	13.26	110	J
638664	OCTADECANAL	13.90	130	NJ
	UNKNOWN	14.28	150	J
629663	2-NONADECANONE	15.06	310	NJ
	UNKNOWN ALCOHOL/ALKENE	15.31	170	J
	UNKNOWN	15.57	190	J
	UNKNOWN ALCOHOL/ALKENE	15.72	300	J
	UNKNOWN KETONE	16.16	280	J
	UNKNOWN KETONE	16.85	110	J
	UNKNOWN KETONE	17.64	260	J
	UNKNOWN	18.02	100	J
	UNKNOWN	18.23	580	J
	UNKNOWN	18.36	130	J
	UNKNOWN	18.66	180	J
	UNKNOWN	18.82	100	J
	UNKNOWN	19.63	480	J
14021239	D-FRIEDOOLEAN-14-ENE, 3-METHOXY-, (3.BET	20.23	6800	NJ
	UNKNOWN	20.52	3200	J
	UNKNOWN	20.94	170	J
	UNKNOWN	21.14	200	J
	UNKNOWN	21.25	570	J
	UNKNOWN	21.68	280	J
	UNKNOWN	22.30	190	J
	UNKNOWN	22.62	260	J
	UNKNOWN	22.75	330	J
	UNKNOWN	22.89	440	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0097
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X130
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	16.90	9	NJ
	UNKNOWN	20.54	11	J
	UNKNOWN	21.20	8	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E0097
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	X130
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
3658808	TRISULFIDE, DIMETHYL	4.48	13000	NJ
	UNKNOWN	5.93	9700	J
	UNKNOWN	11.45	2900	J
	UNKNOWN AMIDE	11.72	8900	J
	UNKNOWN	13.85	9000	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	SBLKDH
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	5.23	180	J
	UNKNOWN	7.52	250	J

Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	SBLKKU
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32839	Matrix/Level:	Soil/Med
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	11.01	2000	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKOR
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32839	Matrix/Level:	Soil/Low
SDG No.:	E0074	File Name:	E0074

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	5.70	5	J
	UNKNOWN	19.48	5	J
	UNKNOWN	21.79	18	J

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Number of Soil Samples : 19
Number of Water Samples : 0

Sample Number :	E0074		E0075		E0076		E0082		E0083	
Sampling Location :	X117		X111		X113		X129		X126	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		10:30		11:45	
%Moisture :	9		33		59		13		25	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ
CHLOROMETHANE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ
VINYL CHLORIDE	10	U	16	U	33	U	12	U	17	U
BROMOMETHANE	10	U	16	U	33	U	12	U	17	U
CHLOROETHANE	10	U	16	U	33	U	12	U	17	U
TRICHLOROFLUOROMETHANE	10	U	3	J	33	U	12	U	17	U
1,1-DICHLOROETHENE	10	U	16	U	33	U	12	U	17	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	16	U	33	U	12	U	17	U
ACETONE	2	J	16	U	8	J	12	U	17	U
CARBON DISULFIDE	10	U	16	U	16	J	12	U	17	U
METHYL ACETATE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ
METHYLENE CHLORIDE	10	U	16	U	33	U	12	U	17	U
TRANS-1,2-DICHLOROETHENE	10	U	16	U	33	U	12	U	17	U
METHYL TERT-BUTYL ETHER	10	U	16	U	33	U	12	U	17	U
1,1-DICHLOROETHANE	10	U	16	U	33	U	12	U	17	U
CIS-1,2-DICHLOROETHENE	10	U	16	U	33	U	12	U	17	U
2-BUTANONE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ
CHLOROFORM	10	U	16	U	33	U	12	U	17	U
1,1,1-TRICHLOROETHANE	10	U	16	U	33	U	12	U	17	U
CYCLOHEXANE	10	U	16	U	33	U	12	U	17	U
CARBON TETRACHLORIDE	10	U	16	U	33	U	12	U	17	U
BENZENE	10	U	16	U	52		12	U	17	U
1,2-DICHLOROETHANE	10	U	16	U	33	U	12	U	17	U
TRICHLOROETHENE	10	U	3	J	33	U	12	U	17	U
METHYLCYCLOHEXANE	10	U	16	U	33	U	12	U	17	U
1,2-DICHLOROPROPANE	10	U	16	U	33	U	12	U	17	U
BROMODICHLOROMETHANE	10	U	16	U	33	U	12	U	17	U
CIS-1,3-DICHLOROPROPENE	10	U	16	U	33	U	12	U	17	U
4-METHYL-2-PENTANONE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ
TOLUENE	10	U	16	U	33	U	12	U	17	U
TRANS-1,3-DICHLOROPROPENE	10	U	16	U	33	U	12	U	17	U
1,1,2-TRICHLOROETHANE	10	U	16	U	33	U	12	U	17	U
TETRACHLOROETHENE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0074		E0075		E0076		E0082		E0083	
Sampling Location :	X117		X111		X113		X129		X126	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		10:30		11:45	
%Moisture :	9		33		59		13		25	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	UJ	16	UJ	33	UJ	12	UJ	17	UJ
DIBROMOCHLOROMETHANE	10	U	16	U	33	U	12	U	17	U
1,2-DIBROMOETHANE	10	U	16	U	33	U	12	U	17	U
CHLOROBENZENE	10	U	16	U	33	U	12	U	17	U
ETHYLBENZENE	10	U	16	U	33	U	12	U	17	U
XYLENES (TOTAL)	10	U	16	U	33	U	12	U	17	U
STYRENE	10	U	16	U	33	U	12	U	17	U
BROMOFORM	10	U	16	U	33	U	12	U	17	U
ISOPROPYLBENZENE	10	U	16	U	33	U	12	U	17	U
1,1,2,2-TETRACHLOROETHANE	10	U	16	U	33	U	12	U	17	U
1,3-DICHLOROBENZENE	10	U	16	U	33	U	12	U	17	U
1,4-DICHLOROBENZENE	10	U	16	U	33	U	12	U	17	U
1,2-DICHLOROBENZENE	10	U	16	U	33	U	12	U	17	U
1,2-DIBROMO-3-CHLOROPROPANE	10	R	16	R	33	R	12	R	17	R
1,2,4-TRICHLOROBENZENE	10	U	16	U	33	U	12	U	17	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0084		E0085		E0086		E0086MS		E0086MSD	
Sampling Location :	X126A		X127		X144		X144		X144	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	11:45		12:30		16:10		16:10		16:10	
%Moisture :	24		8		19		19		19	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	16	UJ	10	UJ	10	UJ	12	U	10	U
CHLOROMETHANE	16	UJ	10	UJ	10	UJ	12	U	10	U
VINYL CHLORIDE	16	U	10	U	10	U	12	U	10	U
BROMOMETHANE	16	U	10	U	10	U	12	U	10	U
CHLOROETHANE	16	U	10	U	10	U	12	U	10	U
TRICHLOROFLUOROMETHANE	16	U	10	U	10	U	12	U	10	U
1,1-DICHLOROETHENE	16	U	10	U	10	U	47		41	
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	16	U	10	U	10	U	12	U	10	U
ACETONE	16	U	10	U	10	U	4	J	3	J
CARBON DISULFIDE	16	U	10	U	10	U	12	U	10	U
METHYL ACETATE	16	UJ	10	UJ	10	UJ	12	U	10	U
METHYLENE CHLORIDE	16	U	10	U	10	U	21	U	29	U
TRANS-1,2-DICHLOROETHENE	16	U	10	U	10	U	12	U	10	U
METHYL TERT-BUTYL ETHER	16	U	10	U	10	U	12	U	10	U
1,1-DICHLOROETHANE	16	U	10	U	10	U	12	U	10	U
CIS-1,2-DICHLOROETHENE	16	U	10	U	10	U	12	U	10	U
2-BUTANONE	16	UJ	10	UJ	10	UJ	12	U	10	U
CHLOROFORM	16	U	10	U	10	U	12	U	10	U
1,1,1-TRICHLOROETHANE	16	U	10	U	10	U	12	U	10	U
CYCLOHEXANE	16	U	10	U	10	U	12	U	10	U
CARBON TETRACHLORIDE	16	U	10	U	10	U	12	U	10	U
BENZENE	16	U	10	U	10	U	51		47	
1,2-DICHLOROETHANE	16	U	10	U	10	U	12	U	10	U
TRICHLOROETHENE	16	U	0.7	J	10	U	44		39	
METHYLCYCLOHEXANE	16	U	10	U	10	U	12	U	10	U
1,2-DICHLOROPROPANE	16	U	10	U	10	U	12	U	10	U
BROMODICHLOROMETHANE	16	U	10	U	10	U	12	U	10	U
CIS-1,3-DICHLOROPROPENE	16	U	10	U	10	U	12	U	10	U
4-METHYL-2-PENTANONE	16	UJ	10	UJ	10	UJ	12	U	10	U
TOLUENE	16	U	10	U	10	U	46	J	42	J
TRANS-1,3-DICHLOROPROPENE	16	U	10	U	10	U	12	U	10	U
1,1,2-TRICHLOROETHANE	16	U	10	U	10	U	12	U	10	U
TETRACHLOROETHENE	16	UJ	10	UJ	10	UJ	12	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0084		E0085		E0086		E0086MS		E0086MSD	
Sampling Location :	X126A		X127		X144		X144		X144	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	11:45		12:30		16:10		16:10		16:10	
%Moisture :	24		8		19		19		19	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	16	UJ	10	UJ	10	UJ	12	UJ	10	UJ
DIBROMOCHLOROMETHANE	16	U	10	U	10	U	12	U	10	U
1,2-DIBROMOETHANE	16	U	10	U	10	U	12	U	10	U
CHLOROBENZENE	16	U	10	U	10	U	43		40	
ETHYLBENZENE	16	U	10	U	10	U	12	U	10	U
XYLENES (TOTAL)	16	U	10	U	10	U	12	U	10	U
STYRENE	16	U	10	U	10	U	12	U	10	U
BROMOFORM	16	U	10	U	10	U	12	U	10	U
ISOPROPYLBENZENE	16	U	10	U	10	U	12	U	10	U
1,1,2,2-TETRACHLOROETHANE	16	U	10	U	10	U	12	U	10	U
1,3-DICHLOROBENZENE	16	U	10	U	10	U	12	U	10	U
1,4-DICHLOROBENZENE	16	U	10	U	10	U	12	U	10	U
1,2-DICHLOROBENZENE	16	U	10	U	10	U	12	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	16	R	10	R	10	R	12	R	10	R
1,2,4-TRICHLOROBENZENE	16	U	10	U	10	U	12	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0087		E0088		E0089		E0090		E0091	
Sampling Location :	X138		X143		X114		X116		X142	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	14:45		16:50		07:45		08:30		09:15	
%Moisture :	23		28		7		15		29	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	15	UJ	13	UJ	10	UJ	14	U	14	U
CHLOROMETHANE	15	UJ	13	UJ	10	UJ	14	U	14	U
VINYL CHLORIDE	15	U	13	U	10	U	14	U	14	U
BROMOMETHANE	15	U	13	U	10	U	14	U	14	U
CHLOROETHANE	15	U	13	U	10	U	14	U	14	U
TRICHLOROFLUOROMETHANE	15	U	13	U	10	U	14	U	14	U
1,1-DICHLOROETHENE	15	U	13	U	10	U	14	U	14	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	15	U	13	U	10	U	14	U	14	U
ACETONE	9	J	42		10	U	5	J	13	J
CARBON DISULFIDE	3	J	2	J	10	U	14	U	14	U
METHYL ACETATE	15	UJ	13	UJ	10	UJ	14	U	14	U
METHYLENE CHLORIDE	15	U	13	U	10	U	14	U	14	U
TRANS-1,2-DICHLOROETHENE	15	U	13	U	10	U	14	U	14	U
METHYL TERT-BUTYL ETHER	15	U	13	U	10	U	14	U	14	U
1,1-DICHLOROETHANE	15	U	13	U	10	U	14	U	14	U
CIS-1,2-DICHLOROETHENE	15	U	13	U	10	U	14	U	14	U
2-BUTANONE	15	UJ	15	J	10	UJ	14	U	2	J
CHLOROFORM	15	U	13	U	10	U	14	U	14	U
1,1,1-TRICHLOROETHANE	15	U	13	U	10	U	14	U	14	U
CYCLOHEXANE	15	U	3	J	10	U	14	U	14	U
CARBON TETRACHLORIDE	15	U	13	U	10	U	14	U	14	U
BENZENE	15	U	2	J	10	U	14	U	14	U
1,2-DICHLOROETHANE	15	U	13	U	10	U	14	U	14	U
TRICHLOROETHENE	15	U	1	J	10	U	14	U	14	U
METHYLCYCLOHEXANE	15	U	12	J	10	U	14	U	14	U
1,2-DICHLOROPROPANE	15	U	13	U	10	U	14	U	14	U
BROMODICHLOROMETHANE	15	U	13	U	10	U	14	U	14	U
CIS-1,3-DICHLOROPROPENE	15	U	13	U	10	U	14	U	14	U
4-METHYL-2-PENTANONE	15	UJ	13	UJ	10	UJ	14	U	14	U
TOLUENE	15	U	4	J	10	U	14	U	14	U
TRANS-1,3-DICHLOROPROPENE	15	U	13	U	10	U	14	U	14	U
1,1,2-TRICHLOROETHANE	15	U	18		10	U	14	U	14	U
TETRACHLOROETHENE	15	UJ	13	UJ	10	UJ	14	U	14	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0087		E0088		E0089		E0090		E0091	
Sampling Location :	X138		X143		X114		X116		X142	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	14:45		16:50		07:45		08:30		09:15	
%Moisture :	23		28		7		15		29	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	15	UJ	54	J	10	UJ	14	UJ	14	UJ
DIBROMOCHLOROMETHANE	15	U	13	U	10	U	14	U	14	U
1,2-DIBROMOETHANE	15	U	13	U	10	U	14	U	14	U
CHLOROBENZENE	15	U	13	U	10	U	14	U	14	U
ETHYLBENZENE	15	U	3	J	10	U	14	U	14	U
XYLENES (TOTAL)	15	U	14		10	U	14	U	14	U
STYRENE	15	U	13	U	10	U	14	U	14	U
BROMOFORM	15	U	13	U	10	U	14	U	14	U
ISOPROPYLBENZENE	15	U	21		10	U	14	U	14	U
1,1,2,2-TETRACHLOROETHANE	15	U	13	U	10	U	14	U	14	U
1,3-DICHLOROBENZENE	15	U	13	U	10	U	14	U	14	U
1,4-DICHLOROBENZENE	15	U	13	U	10	U	14	U	14	U
1,2-DICHLOROBENZENE	15	U	13	U	10	U	14	U	14	U
1,2-DIBROMO-3-CHLOROPROPANE	15	R	13	R	10	R	14	R	14	R
1,2,4-TRICHLOROBENZENE	15	U	13	U	10	U	14	U	14	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0092		E0093		E0094		E0095		E0096	
Sampling Location :	X140		X133		X134		X135		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	09:45		10:30		11:05		12:05		13:50	
%Moisture :	37		22		24		30		34	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	18	U	13	U	15	U	15	U	17	U
CHLOROMETHANE	18	U	13	U	15	U	15	U	17	U
VINYL CHLORIDE	18	U	13	U	15	U	15	U	17	U
BROMOMETHANE	18	U	13	U	15	U	15	U	17	U
CHLOROETHANE	18	U	13	U	15	U	15	U	17	U
TRICHLOROFLUOROMETHANE	18	U	13	U	15	U	15	U	17	U
1,1-DICHLOROETHENE	18	U	13	U	15	U	15	U	17	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	18	U	13	U	15	U	15	U	17	U
ACETONE	20		11	J	62		110		100	
CARBON DISULFIDE	18	U	13	U	4	J	3	J	2	J
METHYL ACETATE	18	U	13	U	15	U	15	U	17	U
METHYLENE CHLORIDE	55	U	13	U	15	U	15	U	17	U
TRANS-1,2-DICHLOROETHENE	18	U	13	U	15	U	15	U	17	U
METHYL TERT-BUTYL ETHER	18	U	13	U	15	U	15	U	17	U
1,1-DICHLOROETHANE	18	U	13	U	15	U	15	U	17	U
CIS-1,2-DICHLOROETHENE	18	U	13	U	15	U	15	U	17	U
2-BUTANONE	3	J	2	J	20		35		30	
CHLOROFORM	18	U	13	U	15	U	15	U	17	U
1,1,1-TRICHLOROETHANE	18	U	13	U	15	U	15	U	17	U
CYCLOHEXANE	13	J	13	U	15	U	15	U	17	U
CARBON TETRACHLORIDE	18	U	13	U	15	U	15	U	17	U
BENZENE	18	U	13	U	15	U	15	U	17	U
1,2-DICHLOROETHANE	18	U	13	U	15	U	15	U	17	U
TRICHLOROETHENE	18	U	13	U	15	U	15	U	17	U
METHYLCYCLOHEXANE	90		13	U	15	U	15	U	17	U
1,2-DICHLOROPROPANE	18	U	13	U	15	U	15	U	17	U
BROMODICHLOROMETHANE	18	U	13	U	15	U	15	U	17	U
CIS-1,3-DICHLOROPROPENE	18	U	13	U	15	U	15	U	17	U
4-METHYL-2-PENTANONE	18	U	13	U	15	U	15	U	17	U
TOLUENE	18	U	13	U	15	U	15	U	17	U
TRANS-1,3-DICHLOROPROPENE	18	U	13	U	15	U	15	U	17	U
1,1,2-TRICHLOROETHANE	150		2	J	15	U	15	U	17	U
TETRACHLOROETHENE	18	U	13	U	15	U	15	U	17	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0092		E0093		E0094		E0095		E0096	
Sampling Location :	X140		X133		X134		X135		X112	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	09:45		10:30		11:05		12:05		13:50	
%Moisture :	37		22		24		30		34	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	93	J	13	UJ	15	UJ	15	UJ	17	UJ
DIBROMOCHLOROMETHANE	18	U	13	U	15	U	15	U	17	U
1,2-DIBROMOETHANE	18	U	13	U	15	U	15	U	17	U
CHLOROBENZENE	18	U	13	U	15	U	15	U	17	U
ETHYLBENZENE	18	U	13	U	15	U	15	U	17	U
XYLENES (TOTAL)	18	U	13	U	15	U	15	U	17	U
STYRENE	18	U	13	U	15	U	15	U	17	U
BROMOFORM	18	U	13	U	15	U	15	U	17	U
ISOPROPYLBENZENE	2	J	13	U	15	U	15	U	2	J
1,1,2,2-TETRACHLOROETHANE	18	U	13	U	15	U	15	U	17	U
1,3-DICHLOROBENZENE	18	U	13	U	15	U	15	U	17	U
1,4-DICHLOROBENZENE	18	U	13	U	15	U	15	U	17	U
1,2-DICHLOROBENZENE	18	U	13	U	15	U	15	U	17	U
1,2-DIBROMO-3-CHLOROPROPANE	18	R	13	R	15	R	15	R	17	R
1,2,4-TRICHLOROBENZENE	18	U	13	U	15	U	15	U	17	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0097		VBLKOQ		VBLKOR		VBLKOU		VHBLK01	
Sampling Location :	X130									
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004									
Time Sampled :	14:25									
%Moisture :	53		N/A		N/A		N/A		0	
pH :	7.0								7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	15	U	10	UJ	10	U	10	U	10	U
CHLOROMETHANE	15	U	10	UJ	10	U	10	U	10	U
VINYL CHLORIDE	15	U	10	U	10	U	10	U	10	U
BROMOMETHANE	15	U	10	U	10	U	10	U	10	U
CHLOROETHANE	15	U	10	U	10	U	10	U	10	U
TRICHLOROFLUOROMETHANE	15	U	10	U	10	U	10	UJ	10	UJ
1,1-DICHLOROETHENE	15	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	15	U	10	U	10	U	10	U	10	U
ACETONE	17		10	U	10	U	10	U	10	U
CARBON DISULFIDE	7	J	10	U	10	U	10	U	10	U
METHYL ACETATE	15	U	10	UJ	10	U	10	U	10	U
METHYLENE CHLORIDE	15	U	7	J	5	J	7	J	10	U
TRANS-1,2-DICHLOROETHENE	15	U	10	U	10	U	10	U	10	U
METHYL TERT-BUTYL ETHER	15	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHANE	15	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	15	U	10	U	10	U	10	U	10	U
2-BUTANONE	5	J	10	UJ	10	U	10	U	10	U
CHLOROFORM	15	U	10	U	10	U	10	U	10	U
1,1,1-TRICHLOROETHANE	15	U	10	U	10	U	10	U	10	U
CYCLOHEXANE	15	U	10	U	10	U	10	U	10	U
CARBON TETRACHLORIDE	15	U	10	U	10	U	10	U	10	U
BENZENE	15	U	10	U	10	U	10	U	10	U
1,2-DICHLOROETHANE	15	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	15	U	10	U	2	J	2	J	10	U
METHYLCYCLOHEXANE	15	U	10	U	10	U	10	U	10	U
1,2-DICHLOROPROPANE	15	U	10	U	10	U	10	U	10	U
BROMODICHLOROMETHANE	15	U	10	U	10	U	10	U	10	U
CIS-1,3-DICHLOROPROPENE	15	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	15	U	10	UJ	10	U	10	U	10	U
TOLUENE	15	U	10	U	10	U	10	U	1	J
TRANS-1,3-DICHLOROPROPENE	15	U	10	U	10	U	10	U	10	U
1,1,2-TRICHLOROETHANE	15	U	10	U	10	U	10	U	10	U
TETRACHLOROETHENE	15	U	10	UJ	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0097		VBLKOQ		VBLKOR		VBLKOU		VHBLK01	
Sampling Location :	X130									
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004									
Time Sampled :	14:25									
%Moisture :	53		N/A		N/A		N/A		0	
pH :	7.0								7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	15	UJ	10	UJ	10	UJ	10	U	10	U
DIBROMOCHLOROMETHANE	15	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	15	U	10	U	10	U	10	U	10	U
CHLOROBENZENE	15	U	10	U	10	U	10	U	10	U
ETHYLBENZENE	15	U	10	U	10	U	10	U	10	U
XYLENES (TOTAL)	15	U	10	U	10	U	10	U	10	U
STYRENE	15	U	10	U	10	U	10	U	10	U
BROMOFORM	15	U	10	U	10	U	10	U	10	U
ISOPROPYLBENZENE	15	U	10	U	10	U	10	U	10	U
1,1,2,2-TETRACHLOROETHANE	2	J	10	U	10	U	10	U	10	U
1,3-DICHLOROBENZENE	15	U	10	U	10	U	10	U	10	U
1,4-DICHLOROBENZENE	15	U	10	U	10	U	10	U	10	U
1,2-DICHLOROBENZENE	15	U	10	U	10	U	10	U	10	U
1,2-DIBROMO-3-CHLOROPROPANE	15	R	10	R	10	R	10	R	10	R
1,2,4-TRICHLOROBENZENE	15	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Number of Soil Samples : 19
Number of Water Samples : 0

Sample Number :	E0074		E0075		E0076		E0082		E0083	
Sampling Location :	X117		X111		X113		X129		X126	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		10:30		11:45	
%Moisture :	16		29		19		11		23	
pH :	8.6		6.4		4.0		9.4		5.0	
Dilution Factor :	1.0		1.0		5.0		1.0		5.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	390	U	460	U	2000	U	11000	UJ	2100	U
PHENOL	390	U	460	U	2000	U	11000	U	2100	U
BIS-(2-CHLOROETHYL)ETHER	390	U	460	U	2000	U	11000	U	2100	U
2-CHLOROPHENOL	390	U	460	U	2000	U	11000	U	2100	U
2-METHYLPHENOL	390	U	460	U	2000	U	11000	U	2100	U
2,2'-OXYBIS(1- CHLOROPROPANE)	390	U	460	U	2000	UJ	11000	U	2100	U
ACETOPHENONE	390	U	460	U	2000	U	11000	U	2100	U
4-METHYLPHENOL	390	U	460	U	2000	U	11000	U	2100	U
N-NITROSO-DI-N PROPYLAMINE	390	U	460	U	2000	U	11000	U	2100	U
HEXACHLOROETHANE	390	U	460	U	2000	U	11000	U	2100	U
NITROBENZENE	390	U	460	U	2000	U	11000	U	2100	U
ISOPHORONE	390	U	460	U	2000	U	11000	U	2100	U
2-NITROPHENOL	390	U	460	U	2000	U	11000	U	2100	U
2,4-DIMETHYLPHENOL	390	U	460	U	2000	U	11000	U	2100	U
BIS(2-CHLOROETHOXY)METHANE	390	U	460	U	2000	U	11000	U	2100	U
2,4-DICHLOROPHENOL	390	U	460	U	2000	U	11000	U	2100	U
NAPHTHALENE	390	U	76	J	5900		11000	U	500	J
4-CHLOROANILINE	390	U	460	U	460	J	11000	U	2100	U
HEXACHLOROBUTADIENE	390	U	460	U	2000	U	11000	U	2100	U
CAPROLACTAM	390	U	460	U	2000	U	11000	U	2100	U
4-CHLORO-3-METHYLPHENOL	390	U	460	U	2000	U	11000	U	2100	U
2-METHYLNAPHTHALENE	390	U	460	U	860	J	11000	U	600	J
HEXACHLOROCYCLO-PENTADIEN	390	U	460	U	2000	UJ	11000	U	2100	U
2,4,6-TRICHLOROPHENOL	390	U	460	U	2000	U	11000	U	2100	U
2,4,5-TRICHLOROPHENOL	980	U	1200	U	5100	U	28000	U	5400	U
1,1'-BIPHENYL	390	U	460	U	970	J	11000	U	2100	U
2-CHLORONAPHTHALENE	390	U	460	U	2000	U	11000	U	2100	U
2-NITROANILINE	980	U	1200	U	5100	U	28000	U	5400	U
DIMETHYLPHTHALATE	390	U	460	U	2000	U	11000	U	2100	U
2,6-DINITROTOLUENE	390	U	460	U	2000	U	11000	U	2100	U
ACENAPHTHYLENE	390	U	49	J	2000	U	11000	U	2100	U
3-NITROANILINE	980	U	1200	U	5100	U	28000	U	5400	U
ACENAPHTHENE	390	U	460	U	2000	U	11000	U	2100	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0074		E0075		E0076		E0082		E0083	
Sampling Location :	X117		X111		X113		X129		X126	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		10:30		11:45	
%Moisture :	16		29		19		11		23	
pH :	8.6		6.4		4.0		9.4		5.0	
Dilution Factor :	1.0		1.0		5.0		1.0		5.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	980	U	1200	U	5100	U	28000	U	5400	U
4-NITROPHENOL	980	U	1200	U	5100	UJ	28000	U	5400	U
DIBENZOFURAN	390	U	460	U	1200	J	11000	U	490	J
2,4-DINITROTOLUENE	390	U	460	U	2000	U	11000	U	2100	U
DIETHYLPHTHALATE	390	U	460	U	2000	U	11000	U	2100	U
FLUORENE	390	U	460	U	2000	U	11000	U	2100	U
4-CHLOROPHENYL-PHENYL ETHER	390	U	460	U	2000	U	11000	U	2100	U
4-NITROANILINE	980	U	1200	U	5100	U	28000	U	5400	U
4,6-DINITRO-2-METHYLPHENOL	980	U	1200	U	5100	U	28000	U	5400	U
N-NITROSO DIPHENYLAMINE	390	U	460	U	2000	U	11000	U	2100	U
4-BROMOPHENYL-PHENYLETHER	390	U	460	U	2000	U	11000	U	2100	U
HEXACHLOROBENZENE	390	U	460	U	2000	U	11000	U	2100	U
ATRAZINE	390	U	460	U	2000	U	11000	U	2100	U
PENTACHLOROPHENOL	980	U	1200	U	5100	UJ	28000	U	5400	U
PHENANTHRENE	190	J	360	J	5700		11000	U	2600	
ANTHRACENE	390	U	51	J	1000	J	11000	U	2100	U
CARBAZOLE	390	U	460	U	520	J	11000	U	2100	U
DI-N-BUTYLPHTHALATE	390	U	460	U	2000	U	11000	U	2100	U
FLUORANTHENE	370	J	1700		13000		1400	J	660	J
PYRENE	310	J	840		9100		1700	J	410	J
BUTYLBENZYLPHTHALATE	390	U	460	U	2000	UJ	11000	U	2100	U
3,3'-DICHLOROBENZIDINE	390	U	460	U	2000	U	11000	U	2100	U
BENZO(A)ANTHRACENE	200	J	460		7900		11000	U	220	J
CHRYSENE	270	J	1100		13000		1700	J	250	J
BIS(2-ETHYLHEXYL)PHTHALATE	150	J	290	J	2000	UJ	11000	U	2100	U
DI-N-OCTYLPHTHALATE	390	U	460	U	2000	UJ	11000	U	2100	U
BENZO(B)FLUORANTHENE	550		1600		5300		1800	J	2100	U
BENZO(K)FLUORANTHENE	290	J	590	J	6300	J	1300	J	2100	U
BENZO(A)PYRENE	190	J	300	J	1900	J	1200	J	2100	U
INDENO(1,2,3-CD)-PYRENE	86	J	310	J	7800	J	11000	U	2100	U
DIBENZO(A,H)-ANTHRACENE	390	U	52	J	1900	J	11000	U	2100	U
BENZO(G,H,I)PERYLENE	110	J	360	J	8300		11000	U	2100	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0084		E0085		E0086		E0086MS		E0086MSD	
Sampling Location :	X126A		X127		X144		X144		X144	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	11:45		12:30		16:10		16:10		16:10	
%Moisture :	24		14		17		17		17	
pH :	5.4		8.1		7.7		7.7		7.7	
Dilution Factor :	5.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	2200	U	380	U	400	U	390	U	390	U
PHENOL	2200	U	380	U	400	U	1700		1800	
BIS-(2-CHLOROETHYL)ETHER	2200	U	380	U	400	U	390	U	390	U
2-CHLOROPHENOL	2200	U	380	U	400	U	1500		1800	
2-METHYLPHENOL	2200	U	380	U	400	U	390	U	390	U
2,2'-OXYBIS(1- CHLOROPROPANE)	2200	U	380	UJ	400	U	390	U	390	U
ACETOPHENONE	2200	U	380	U	400	U	390	U	390	U
4-METHYLPHENOL	2200	U	380	U	400	U	390	U	390	U
N-NITROSO-DI-N PROPYLAMINE	2200	U	380	U	400	U	950		1100	
HEXACHLOROETHANE	2200	U	380	U	400	U	390	U	390	U
NITROBENZENE	2200	U	380	U	400	U	390	U	390	U
ISOPHORONE	2200	U	380	U	400	U	390	U	390	U
2-NITROPHENOL	2200	U	380	U	400	U	390	U	390	U
2,4-DIMETHYLPHENOL	2200	U	380	U	400	U	390	U	390	U
BIS(2-CHLOROETHOXY)METHANE	2200	U	380	U	400	U	390	U	390	U
2,4-DICHLOROPHENOL	2200	U	380	U	400	U	390	U	390	U
NAPHTHALENE	490	J	380	U	530		230	J	270	J
4-CHLOROANILINE	2200	U	380	U	400	U	390	U	390	U
HEXACHLOROBUTADIENE	2200	U	380	U	400	U	390	U	390	U
CAPROLACTAM	580	J	380	U	400	U	390	U	390	U
4-CHLORO-3-METHYLPHENOL	2200	U	380	U	400	U	1900		1800	
2-METHYLNAPHTHALENE	660	J	160	J	220	J	72	J	94	J
HEXACHLOROCYCLO-PENTADIEN	2200	U	380	UJ	400	U	390	U	390	U
2,4,6-TRICHLOROPHENOL	2200	U	380	U	400	U	390	U	390	U
2,4,5-TRICHLOROPHENOL	5400	U	950	U	1000	U	990	U	980	U
1,1'-BIPHENYL	2200	U	380	U	80	J	59	J	40	J
2-CHLORONAPHTHALENE	2200	U	380	U	400	U	390	U	390	U
2-NITROANILINE	5400	U	950	U	1000	U	990	U	980	U
DIMETHYLPHTHALATE	2200	U	380	U	400	U	390	U	390	U
2,6-DINITROTOLUENE	2200	U	380	U	400	U	390	U	390	U
ACENAPHTHYLENE	2200	U	170	J	53	J	390	U	390	U
3-NITROANILINE	5400	U	950	U	1000	U	990	U	980	U
ACENAPHTHENE	2200	U	130	J	100	J	1400		1300	

Analytical Results (Qualified Data)

Case #: 32839
SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0084		E0085		E0086		E0086MS		E0086MSD	
Sampling Location :	X126A		X127		X144		X144		X144	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	11:45		12:30		16:10		16:10		16:10	
%Moisture :	24		14		17		17		17	
pH :	5.4		8.1		7.7		7.7		7.7	
Dilution Factor :	5.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	5400	U	950	U	1000	U	990	U	980	U
4-NITROPHENOL	5400	U	950	UJ	1000	U	1900		1800	
DIBENZOFURAN	590	J	170	J	300	J	390		130	J
2,4-DINITROTOLUENE	2200	U	380	U	400	U	1400		1300	
DIETHYLPHTHALATE	2200	U	380	U	400	U	390	U	390	U
FLUORENE	2200	U	230	J	40	J	390	U	390	U
4-CHLOROPHENYL-PHENYL ETHER	2200	U	380	U	400	U	390	U	390	U
4-NITROANILINE	5400	U	950	U	1000	U	990	U	980	U
4,6-DINITRO-2-METHYLPHENOL	5400	U	950	U	1000	U	990	U	980	U
N-NITROSO DIPHENYLAMINE	2200	U	380	U	400	U	390	U	390	U
4-BROMOPHENYL-PHENYLETHER	2200	U	380	U	400	U	390	U	390	U
HEXACHLOROBENZENE	2200	U	380	U	400	U	390	U	390	U
ATRAZINE	2200	U	380	U	400	U	390	U	390	U
PENTACHLOROPHENOL	5400	U	950	UJ	1000	U	720	J	770	J
PHENANTHRENE	3400		1500		960		1500		570	
ANTHRACENE	2200	U	510		97	J	110	J	63	J
CARBAZOLE	2200	U	130	J	400	U	390	U	390	U
DI-N-BUTYLPHTHALATE	2200	U	380	U	400	U	390	U	390	U
FLUORANTHENE	840	J	1700		820		530		400	
PYRENE	510	J	1600		800		1700		1600	
BUTYLBENZYLPHTHALATE	2200	U	380	UJ	400	U	390	U	390	U
3,3'-DICHLOROBENZIDINE	2200	U	380	U	400	U	390	U	390	U
BENZO(A)ANTHRACENE	250	J	860		430		330	J	250	J
CHRYSENE	330	J	1300		540		370	J	260	J
BIS(2-ETHYLHEXYL)PHTHALATE	2200	U	380	UJ	75	J	66	J	53	J
DI-N-OCTYLPHTHALATE	2200	U	380	UJ	400	U	390	U	390	U
BENZO(B)FLUORANTHENE	2200	U	1000		830		510		460	
BENZO(K)FLUORANTHENE	2200	U	940	J	400	J	320	J	200	J
BENZO(A)PYRENE	2200	U	870		540		350	J	270	J
INDENO(1,2,3-CD)-PYRENE	2200	U	710		140	J	71	J	59	J
DIBENZO(A,H)-ANTHRACENE	2200	U	330	J	400	U	390	U	390	U
BENZO(G,H,I)PERYLENE	2200	U	710		150	J	73	J	61	J

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0087		E0087MS		E0087MSD		E0088		E0089	
Sampling Location :	X138		X138		X138		X143		X114	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/6/2004	
Time Sampled :	14:45		14:45		14:45		16:50		07:45	
%Moisture :	27		27		27		22		6	
pH :	7.1		7.1		7.1		5.9		8.0	
Dilution Factor :	1.0		1.0		1.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	14000	UJ	11000	UJ	14000	UJ	110000	UJ	350	U
PHENOL	14000	U	52000		62000		110000	U	350	U
BIS-(2-CHLOROETHYL)ETHER	14000	U	11000	U	14000	U	110000	U	350	U
2-CHLOROPHENOL	14000	U	47000		58000		110000	U	350	U
2-METHYLPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
2,2'-OXYBIS(1- CHLOROPROPANE)	14000	U	11000	U	14000	U	110000	U	350	UJ
ACETOPHENONE	14000	U	11000	U	14000	U	110000	U	350	U
4-METHYLPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
N-NITROSO-DI-N PROPYLAMINE	14000	U	33000		39000		110000	U	350	U
HEXACHLOROETHANE	14000	U	11000	U	14000	U	110000	U	350	U
NITROBENZENE	14000	U	11000	U	14000	U	110000	U	350	U
ISOPHORONE	14000	U	11000	U	14000	U	110000	U	350	U
2-NITROPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
2,4-DIMETHYLPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
BIS(2-CHLOROETHOXY)METHANE	14000	U	11000	U	14000	U	110000	U	350	U
2,4-DICHLOROPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
NAPHTHALENE	3100	J	2300	J	14000	U	110000	U	350	U
4-CHLOROANILINE	14000	U	11000	U	14000	U	110000	U	350	U
HEXACHLOROBUTADIENE	14000	U	11000	U	14000	U	110000	U	350	U
CAPROLACTAM	14000	U	11000	U	14000	U	110000	U	350	U
4-CHLORO-3-METHYLPHENOL	14000	U	59000		74000		110000	U	350	U
2-METHYLNAPHTHALENE	2000	J	1800	J	1700	J	170000		54	J
HEXACHLOROCYCLO-PENTADIEN	14000	U	11000	U	14000	U	110000	U	350	UJ
2,4,6-TRICHLOROPHENOL	14000	U	11000	U	14000	U	110000	U	350	U
2,4,5-TRICHLOROPHENOL	34000	U	29000	U	34000	U	270000	U	880	U
1,1'-BIPHENYL	14000	U	11000	U	14000	U	110000	U	350	U
2-CHLORONAPHTHALENE	14000	U	11000	U	14000	U	110000	U	350	U
2-NITROANILINE	34000	U	29000	U	34000	U	270000	U	880	U
DIMETHYLPHTHALATE	14000	U	11000	U	14000	U	110000	U	350	U
2,6-DINITROTOLUENE	14000	U	11000	U	14000	U	110000	U	350	U
ACENAPHTHYLENE	4300	J	11000	U	14000	U	110000	U	350	U
3-NITROANILINE	34000	U	29000	U	34000	U	270000	U	880	U
ACENAPHTHENE	14000	U	39000		49000		19000	J	350	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0087		E0087MS		E0087MSD		E0088		E0089	
Sampling Location :	X138		X138		X138		X143		X114	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/6/2004	
Time Sampled :	14:45		14:45		14:45		16:50		07:45	
%Moisture :	27		27		27		22		6	
pH :	7.1		7.1		7.1		5.9		8.0	
Dilution Factor :	1.0		1.0		1.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	34000	U	29000	U	34000	U	270000	U	880	U
4-NITROPHENOL	34000	U	65000		77000		270000	U	880	UJ
DIBENZOFURAN	4600	J	3900	J	14000	U	12000	J	350	U
2,4-DINITROTOLUENE	14000	U	42000		51000		110000	U	350	U
DIETHYLPHTHALATE	14000	U	11000	U	14000	U	110000	U	350	U
FLUORENE	5900	J	5200	J	14000	U	25000	J	350	U
4-CHLOROPHENYL-PHENYL ETHER	14000	U	11000	U	14000	U	110000	U	350	U
4-NITROANILINE	34000	U	29000	U	34000	U	270000	U	880	U
4,6-DINITRO-2-METHYLPHENOL	34000	U	29000	U	34000	U	270000	U	880	U
N-NITROSO DIPHENYLAMINE	14000	U	11000	U	14000	U	110000	U	350	U
4-BROMOPHENYL-PHENYLETHER	14000	U	11000	U	14000	U	110000	U	350	U
HEXACHLOROBENZENE	14000	U	11000	U	14000	U	110000	U	350	U
ATRAZINE	14000	U	11000	U	14000	U	110000	U	350	U
PENTACHLOROPHENOL	34000	U	38000		47000		270000	U	880	UJ
PHENANTHRENE	36000		39000		7200	J	75000	J	85	J
ANTHRACENE	10000	J	11000		1900	J	14000	J	350	U
CARBAZOLE	2500	J	2300	J	14000	U	110000	U	350	U
DI-N-BUTYLPHTHALATE	14000	U	11000	U	14000	U	110000	U	350	U
FLUORANTHENE	30000		43000		49000		110000	U	350	U
PYRENE	31000	J	99000		64000		110000	U	45	J
BUTYLBENZYLPHTHALATE	14000	U	11000	U	14000	U	110000	U	350	UJ
3,3'-DICHLOROBENZIDINE	14000	U	11000	U	14000	U	110000	U	350	U
BENZO(A)ANTHRACENE	13000	J	23000		2600	J	110000	U	40	J
CHRYSENE	14000		22000		3600	J	110000	U	68	J
BIS(2-ETHYLHEXYL)PHTHALATE	14000	U	6600	J	14000	U	110000	U	54	J
DI-N-OCTYLPHTHALATE	14000	U	11000	U	14000	U	110000	U	350	UJ
BENZO(B)FLUORANTHENE	9000	J	17000		14000	U	110000	U	37	J
BENZO(K)FLUORANTHENE	10000	J	19000		14000	U	110000	U	350	U
BENZO(A)PYRENE	11000	J	22000		14000	U	110000	U	350	U
INDENO(1,2,3-CD)-PYRENE	7200	J	15000		14000	U	110000	U	84	J
DIBENZO(A,H)-ANTHRACENE	2300	J	4700	J	14000	U	110000	U	49	J
BENZO(G,H,I)PERYLENE	7700	J	16000		14000	U	110000	U	180	J

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0090		E0091		E0092		E0093		E0094	
Sampling Location :	X116		X142		X140		X133		X134	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		11:05	
%Moisture :	17		31		38		30		37	
pH :	7.5		7.0		6.7		5.6		5.6	
Dilution Factor :	1.0		1.0		10.0		1.0		2.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10000	UJ	13000	UJ	120000	U	10000	UJ	230	J
PHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
BIS-(2-CHLOROETHYL)ETHER	10000	U	13000	U	120000	U	10000	U	1000	U
2-CHLOROPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
2-METHYLPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
2,2'-OXYBIS(1- CHLOROPROPANE)	10000	U	13000	U	120000	UJ	10000	U	1000	UJ
ACETOPHENONE	10000	U	13000	U	120000	U	10000	U	1000	U
4-METHYLPHENOL	10000	U	13000	U	120000	U	10000	U	180	J
N-NITROSO-DI-N PROPYLAMINE	10000	U	13000	U	120000	U	10000	U	1000	U
HEXACHLOROETHANE	10000	U	13000	U	120000	U	10000	U	1000	U
NITROBENZENE	10000	U	13000	U	120000	U	10000	U	1000	U
ISOPHORONE	10000	U	13000	U	120000	U	10000	U	1000	U
2-NITROPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
2,4-DIMETHYLPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
BIS(2-CHLOROETHOXY)METHANE	10000	U	13000	U	120000	U	10000	U	1000	U
2,4-DICHLOROPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
NAPHTHALENE	10000	U	13000	U	120000	U	10000	U	1000	U
4-CHLOROANILINE	10000	U	13000	U	120000	U	10000	U	1000	U
HEXACHLOROBUTADIENE	10000	U	13000	U	120000	U	10000	U	1000	U
CAPROLACTAM	10000	U	13000	U	120000	U	10000	U	1000	U
4-CHLORO-3-METHYLPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
2-METHYLNAPHTHALENE	10000	U	14000		35000	J	10000	U	1000	U
HEXACHLOROCYCLO-PENTADIEN	10000	U	13000	U	120000	UJ	10000	U	1000	UJ
2,4,6-TRICHLOROPHENOL	10000	U	13000	U	120000	U	10000	U	1000	U
2,4,5-TRICHLOROPHENOL	25000	U	33000	U	290000	U	25000	U	2600	U
1,1'-BIPHENYL	10000	U	13000	U	120000	U	10000	U	1000	U
2-CHLORONAPHTHALENE	10000	U	13000	U	120000	U	10000	U	1000	U
2-NITROANILINE	25000	U	33000	U	290000	U	25000	U	2600	U
DIMETHYLPHTHALATE	10000	U	13000	U	120000	U	10000	U	1000	U
2,6-DINITROTOLUENE	10000	U	13000	U	120000	U	10000	U	1000	U
ACENAPHTHYLENE	10000	U	13000	U	120000	U	10000	U	1000	U
3-NITROANILINE	25000	U	33000	U	290000	U	25000	U	2600	U
ACENAPHTHENE	10000	U	1800	J	15000	J	10000	U	1000	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0090		E0091		E0092		E0093		E0094	
Sampling Location :	X116		X142		X140		X133		X134	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		11:05	
%Moisture :	17		31		38		30		37	
pH :	7.5		7.0		6.7		5.6		5.6	
Dilution Factor :	1.0		1.0		10.0		1.0		2.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	25000	U	33000	U	290000	U	25000	U	2600	U
4-NITROPHENOL	25000	U	33000	U	290000	UJ	25000	U	2600	UJ
DIBENZOFURAN	10000	U	13000	U	120000	U	10000	U	150	J
2,4-DINITROTOLUENE	10000	U	13000	U	120000	U	10000	U	1000	U
DIETHYLPHTHALATE	10000	U	13000	U	120000	U	10000	U	1000	U
FLUORENE	10000	U	4200	J	29000	J	10000	U	1000	U
4-CHLOROPHENYL-PHENYL ETHER	10000	U	13000	U	120000	U	10000	U	1000	U
4-NITROANILINE	25000	U	33000	U	290000	U	25000	U	2600	U
4,6-DINITRO-2-METHYLPHENOL	25000	U	33000	U	290000	U	25000	U	2600	U
N-NITROSO DIPHENYLAMINE	10000	U	13000	U	120000	U	10000	U	1000	U
4-BROMOPHENYL-PHENYLETHER	10000	U	13000	U	120000	U	10000	U	1000	U
HEXACHLOROBENZENE	10000	U	13000	U	120000	U	10000	U	1000	U
ATRAZINE	10000	U	13000	U	120000	U	10000	U	1000	U
PENTACHLOROPHENOL	25000	U	33000	U	290000	UJ	25000	U	2600	UJ
PHENANTHRENE	1800	J	24000		110000	J	2000	J	950	J
ANTHRACENE	10000	U	5800	J	23000	J	10000	U	1000	U
CARBAZOLE	10000	U	13000	U	120000	U	10000	U	1000	U
DI-N-BUTYLPHTHALATE	10000	U	13000	U	120000	U	10000	U	1000	U
FLUORANTHENE	1700	J	5100	J	16000	J	10000	U	350	J
PYRENE	2300	J	27000		74000	J	10000	U	280	J
BUTYLBENZYLPHTHALATE	10000	U	13000	U	120000	UJ	10000	U	1000	UJ
3,3'-DICHLOROBENZIDINE	10000	U	13000	U	120000	U	10000	U	1000	U
BENZO(A)ANTHRACENE	1200	J	5300	J	21000	J	10000	U	130	J
CHRYSENE	1700	J	7400	J	34000	J	10000	U	240	J
BIS(2-ETHYLHEXYL)PHTHALATE	4800	J	5000	J	120000	UJ	10000	U	1000	UJ
DI-N-OCTYLPHTHALATE	10000	U	13000	U	120000	UJ	10000	U	1000	UJ
BENZO(B)FLUORANTHENE	10000	U	3200	J	120000	U	10000	U	1000	U
BENZO(K)FLUORANTHENE	1200	J	2900	J	120000	U	10000	U	1000	U
BENZO(A)PYRENE	1000	J	3800	J	13000	J	10000	U	1000	U
INDENO(1,2,3-CD)-PYRENE	10000	U	13000	U	120000	U	10000	U	1000	U
DIBENZO(A,H)-ANTHRACENE	10000	U	13000	U	120000	U	10000	U	1000	U
BENZO(G,H,I)PERYLENE	10000	U	3900	J	12000	J	10000	U	1000	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0095		E0096		E0097		SBLKDH		SBLKDI	
Sampling Location :	X135		X112		X130					
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004					
Time Sampled :	12:05		13:50		14:25					
%Moisture :	29		35		35		N/A		N/A	
pH :	6.5		7.1		6.9					
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	460	U	98	J	14000	UJ	330	U	330	U
PHENOL	460	U	500	U	14000	U	330	U	330	U
BIS-(2-CHLOROETHYL)ETHER	460	U	500	U	14000	U	330	U	330	U
2-CHLOROPHENOL	460	U	500	U	14000	U	330	U	330	U
2-METHYLPHENOL	460	U	500	U	14000	U	330	U	330	U
2,2'-OXYBIS(1- CHLOROPROPANE)	460	UJ	500	UJ	14000	U	330	U	330	U
ACETOPHENONE	460	U	500	U	14000	U	330	U	330	U
4-METHYLPHENOL	460	U	500	U	14000	U	330	U	330	U
N-NITROSO-DI-N PROPYLAMINE	460	U	500	U	14000	U	330	U	330	U
HEXACHLOROETHANE	460	U	500	U	14000	U	330	U	330	U
NITROBENZENE	460	U	500	U	14000	U	330	U	330	U
ISOPHORONE	460	U	500	U	14000	U	330	U	330	U
2-NITROPHENOL	460	U	500	U	14000	U	330	U	330	U
2,4-DIMETHYLPHENOL	460	U	500	U	14000	U	330	U	330	U
BIS(2-CHLOROETHOXY)METHANE	460	U	500	U	14000	U	330	U	330	U
2,4-DICHLOROPHENOL	460	U	500	U	14000	U	330	U	330	U
NAPHTHALENE	460	U	500	U	14000	U	330	U	330	U
4-CHLOROANILINE	460	U	500	U	14000	U	330	U	330	U
HEXACHLOROBUTADIENE	460	U	500	U	14000	U	330	U	330	U
CAPROLACTAM	460	U	500	U	14000	U	330	U	330	U
4-CHLORO-3-METHYLPHENOL	460	U	500	U	14000	U	330	U	330	U
2-METHYLNAPHTHALENE	460	U	500	U	14000	U	330	U	330	U
HEXACHLOROCYCLO-PENTADIEN	460	UJ	500	UJ	14000	U	330	U	330	U
2,4,6-TRICHLOROPHENOL	460	U	500	U	14000	U	330	U	330	U
2,4,5-TRICHLOROPHENOL	1200	U	1300	U	35000	U	830	U	830	U
1,1'-BIPHENYL	460	U	500	U	14000	U	330	U	330	U
2-CHLORONAPHTHALENE	460	U	500	U	14000	U	330	U	330	U
2-NITROANILINE	1200	U	1300	U	35000	U	830	U	830	U
DIMETHYLPHTHALATE	460	U	500	U	14000	U	330	U	330	U
2,6-DINITROTOLUENE	460	U	500	U	14000	U	330	U	330	U
ACENAPHTHYLENE	460	U	500	U	14000	U	330	U	330	U
3-NITROANILINE	1200	U	1300	U	35000	U	830	U	830	U
ACENAPHTHENE	200	J	500	U	14000	U	330	U	330	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0095		E0096		E0097		SBLKDH		SBLKDI	
Sampling Location :	X135		X112		X130					
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004					
Time Sampled :	12:05		13:50		14:25					
%Moisture :	29		35		35		N/A		N/A	
pH :	6.5		7.1		6.9					
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1200	U	1300	U	35000	U	830	U	830	U
4-NITROPHENOL	1200	UJ	1300	UJ	35000	U	830	U	830	U
DIBENZOFURAN	79	J	500	U	14000	U	330	U	330	U
2,4-DINITROTOLUENE	460	U	500	U	14000	U	330	U	330	U
DIETHYLPHTHALATE	460	U	500	U	14000	U	330	U	330	U
FLUORENE	170	J	500	U	14000	U	330	U	330	U
4-CHLOROPHENYL-PHENYL ETHER	460	U	500	U	14000	U	330	U	330	U
4-NITROANILINE	1200	U	1300	U	35000	U	830	U	830	U
4,6-DINITRO-2-METHYLPHENOL	1200	U	1300	U	35000	U	830	U	830	U
N-NITROSO DIPHENYLAMINE	460	U	500	U	14000	U	330	U	330	U
4-BROMOPHENYL-PHENYLETHER	460	U	500	U	14000	U	330	U	330	U
HEXACHLOROBENZENE	460	U	500	U	14000	U	330	U	330	U
ATRAZINE	460	U	500	U	14000	U	330	U	330	U
PENTACHLOROPHENOL	1200	UJ	1300	UJ	35000	U	830	U	830	U
PHENANTHRENE	2000		500	U	1500	J	330	U	330	U
ANTHRACENE	400	J	500	U	14000	U	330	U	330	U
CARBAZOLE	330	J	500	U	14000	U	330	U	330	U
DI-N-BUTYLPHTHALATE	460	U	500	U	14000	U	330	U	330	U
FLUORANTHENE	3500		500	U	3600	J	330	U	330	U
PYRENE	3300		500	U	6100	J	330	U	330	U
BUTYLBENZYLPHTHALATE	460	UJ	500	UJ	14000	U	330	U	330	U
3,3'-DICHLOROBENZIDINE	460	U	500	U	14000	U	330	U	330	U
BENZO(A)ANTHRACENE	1700		500	U	2700	J	330	U	330	U
CHRYSENE	2100		500	U	3900	J	330	U	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	110	J	89	J	14000	U	330	U	330	U
DI-N-OCTYLPHTHALATE	460	UJ	500	UJ	14000	U	330	U	330	U
BENZO(B)FLUORANTHENE	2000		500	U	2000	J	330	U	330	U
BENZO(K)FLUORANTHENE	1400		500	U	2000	J	330	U	330	U
BENZO(A)PYRENE	1800	J	500	U	1900	J	330	U	330	U
INDENO(1,2,3-CD)-PYRENE	1500	J	500	U	14000	U	330	U	330	U
DIBENZO(A,H)-ANTHRACENE	540	J	500	U	14000	U	330	U	330	U
BENZO(G,H,I)PERYLENE	1600		500	U	14000	U	330	U	330	U

Analytical Results (Qualified Data)

Case #: 32839
SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	SBLKJQ		SBLKJW		SBLKKU					
Sampling Location :										
Matrix :	Soil		Soil		Soil					
Units :	ug/Kg		ug/Kg		ug/Kg					
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A					
pH :										
Dilution Factor :	1.0		1.0		1.0					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	330	UJ	10000	U	10000	UJ				
PHENOL	330	U	10000	U	10000	U				
BIS-(2-CHLOROETHYL)ETHER	330	U	10000	U	10000	U				
2-CHLOROPHENOL	330	U	10000	U	10000	U				
2-METHYLPHENOL	330	U	10000	U	10000	U				
2,2'-OXYBIS(1- CHLOROPROPANE)	330	U	10000	UJ	10000	U				
ACETOPHENONE	330	U	10000	U	10000	U				
4-METHYLPHENOL	330	U	10000	U	10000	U				
N-NITROSO-DI-N PROPYLAMINE	330	U	10000	U	10000	U				
HEXACHLOROETHANE	330	U	10000	U	10000	U				
NITROBENZENE	330	U	10000	U	10000	U				
ISOPHORONE	330	U	10000	U	10000	U				
2-NITROPHENOL	330	U	10000	U	10000	U				
2,4-DIMETHYLPHENOL	330	U	10000	U	10000	U				
BIS(2-CHLOROETHOXY)METHANE	330	U	10000	U	10000	U				
2,4-DICHLOROPHENOL	330	U	10000	U	10000	U				
NAPHTHALENE	330	U	10000	U	10000	U				
4-CHLOROANILINE	330	U	10000	U	10000	U				
HEXACHLOROBUTADIENE	330	U	10000	U	10000	U				
CAPROLACTAM	330	UJ	10000	U	10000	U				
4-CHLORO-3-METHYLPHENOL	330	U	10000	U	10000	U				
2-METHYLNAPHTHALENE	330	U	10000	U	10000	U				
HEXACHLOROCYCLO-PENTADIEN	330	UJ	10000	UJ	10000	U				
2,4,6-TRICHLOROPHENOL	330	U	10000	U	10000	U				
2,4,5-TRICHLOROPHENOL	830	U	25000	U	25000	U				
1,1'-BIPHENYL	330	U	10000	U	10000	U				
2-CHLORONAPHTHALENE	330	U	10000	U	10000	U				
2-NITROANILINE	830	UJ	25000	U	25000	U				
DIMETHYLPHTHALATE	330	U	10000	U	10000	U				
2,6-DINITROTOLUENE	330	U	10000	U	10000	U				
ACENAPHTHYLENE	330	U	10000	U	10000	U				
3-NITROANILINE	830	U	25000	U	25000	U				
ACENAPHTHENE	330	U	10000	U	10000	U				

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	SBLKJQ		SBLKJW		SBLKKU					
Sampling Location :										
Matrix :	Soil		Soil		Soil					
Units :	ug/Kg		ug/Kg		ug/Kg					
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A					
pH :										
Dilution Factor :	1.0		1.0		1.0					
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	830	U	25000	U	25000	U				
4-NITROPHENOL	830	UJ	25000	UJ	25000	U				
DIBENZOFURAN	330	U	10000	U	10000	U				
2,4-DINITROTOLUENE	330	U	10000	U	10000	U				
DIETHYLPHTHALATE	330	U	10000	U	10000	U				
FLUORENE	330	U	10000	U	10000	U				
4-CHLOROPHENYL-PHENYL ETHER	330	U	10000	U	10000	U				
4-NITROANILINE	830	U	25000	U	25000	U				
4,6-DINITRO-2-METHYLPHENOL	830	U	25000	U	25000	U				
N-NITROSO DIPHENYLAMINE	330	U	10000	U	10000	U				
4-BROMOPHENYL-PHENYLETHER	330	U	10000	U	10000	U				
HEXACHLOROBENZENE	330	U	10000	U	10000	U				
ATRAZINE	330	U	10000	U	10000	U				
PENTACHLOROPHENOL	830	U	25000	UJ	25000	U				
PHENANTHRENE	330	U	10000	U	10000	U				
ANTHRACENE	330	U	10000	U	10000	U				
ARBAZOLE	330	U	10000	U	10000	U				
DI-N-BUTYLPHTHALATE	330	UJ	10000	U	10000	U				
FLUORANTHENE	330	U	10000	U	10000	U				
PYRENE	330	U	10000	U	10000	U				
BUTYLBENZYLPHTHALATE	330	UJ	10000	UJ	10000	U				
3,3'-DICHLOROBENZIDINE	330	U	10000	U	10000	U				
BENZO(A)ANTHRACENE	330	U	10000	U	10000	U				
CHRYSENE	330	U	10000	U	10000	U				
BIS(2-ETHYLHEXYL)PHTHALATE	330	UJ	1300	J	10000	U				
DI-N-OCTYLPHTHALATE	330	UJ	10000	UJ	10000	U				
BENZO(B)FLUORANTHENE	330	U	10000	U	10000	U				
BENZO(K)FLUORANTHENE	330	U	10000	U	10000	U				
BENZO(A)PYRENE	330	U	10000	U	10000	U				
INDENO(1,2,3-CD)-PYRENE	330	U	10000	U	10000	U				
DIBENZO(A,H)-ANTHRACENE	330	U	10000	U	10000	U				
BENZO(G,H,I)PERYLENE	330	U	10000	U	10000	U				

Analytical Results (Qualified Data)

Case #: 32839
SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Number of Soil Samples : 19
Number of Water Samples : 0

Sample Number :	E0074		E0075		E0076		E0076DL		E0082	
Sampling Location :	X117		X111		X113		X113		X129	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/4/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	16:00		08:40		08:40		08:40		10:30	
%Moisture :	16		29		19		19		11	
pH :	8.6		6.4		4.0		4.0		9.4	
Dilution Factor :	1.0		1.0		1.0		10.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.0	U	2.4	U	2.1	U	21	U	1.9	U
BETA-BHC	2.0	U	2.4	U	2.3	J	21	U	2.7	J
DELTA-BHC	2.0	U	2.4	U	2.1	U	21	U	1.9	U
GAMMA-BHC (LINDANE)	2.0	U	2.4	U	2.1	U	21	U	1.9	U
HEPTACHLOR	2.0	U	2.4	U	2.1	U	21	U	1.9	U
ALDRIN	2.0	U	2.4	U	2.1	U	21	U	1.9	U
HEPTACHLOR EPOXIDE	2.0	U	2.4	U	19	J	21	U	1.9	U
ENDOSU1FAN I	2.0	U	2.4	U	2.1	U	21	U	1.9	U
DIELDRIN	3.9	U	4.6	U	4.1	U	41	U	3.7	U
4,4'-DDE	3.9	U	4.6	U	4.1	U	41	U	9.8	J
ENDRIN	3.9	U	4.6	U	4.1	U	41	U	3.7	U
ENDOSULFAN II	3.9	U	4.6	U	4.1	U	41	U	3.7	U
4,4'-DDD	3.9	U	4.6	U	4.1	U	41	U	3.7	U
ENDOSULFAN SULFATE	3.9	U	4.6	U	4.1	U	41	U	3.7	U
4,4'-DDT	3.9	U	4.6	U	4.1	U	41	U	53	J
METHOXYCHLOR	20	U	24	U	21	U	210	U	19	U
ENDRIN KETONE	3.9	U	4.6	U	4.1	U	41	U	24	J
ENDRIN ALDEHYDE	3.9	U	4.6	U	4.1	U	41	U	3.7	U
ALPHA-CHLORDANE	2.0	U	2.4	U	6.0	J	21	U	7.2	
GAMMA-CHLORDANE	2.0	U	2.4	U	2.1	U	21	U	1.9	U
TOXAPHENE	200	U	240	U	210	U	2100	U	190	U
AROCLOR-1016	39	U	46	U	41	U	410	U	37	U
AROCLOR-1221	79	U	94	U	82	U	820	U	75	U
AROCLOR-1232	39	U	46	U	41	U	410	U	37	U
AROCLOR-1242	39	U	46	U	41	U	410	U	37	U
AROCLOR-1248	39	U	46	U	41	U	410	U	37	U
AROCLOR-1254	39	U	46	U	41	U	410	U	37	U
AROCLOR-1260	39	U	46	U	41	U	410	U	37	U

Analytical Results (Qualified Data)

Case #: 32839
SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0082DL		E0083		E0083DL		E0084		E0084DL	
Sampling Location :	X129		X126		X126		X126A		X126A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	10:30		11:45		11:45		11:45		11:45	
%Moisture :	11		23		23		24		24	
pH :	9.4		5.0		5.0		5.4		5.4	
Dilution Factor :	10.0		1.0		10.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	19	U	2.2	U	22	U	2.2	U	22	U
BETA-BHC	19	U	2.2	U	22	U	2.2	U	22	U
DELTA-BHC	19	U	2.2	U	22	U	2.2	U	22	U
GAMMA-BHC (LINDANE)	19	U	2.2	U	22	U	2.2	U	22	U
HEPTACHLOR	19	U	2.2	U	22	U	2.2	U	22	U
ALDRIN	19	U	2.2	U	22	U	2.2	U	22	U
HEPTACHLOR EPOXIDE	19	U	9.3	J	22	U	6.2	J	22	U
ENDOSU1FAN I	19	U	2.2	U	22	U	2.2	U	22	U
DIELDRIN	37	U	4.2	U	42	U	4.3	U	43	U
4,4'-DDE	37	U	22		42	U	15		43	U
ENDRIN	37	U	5.5	J	42	U	6.7	J	43	U
ENDOSULFAN II	37	U	25	J	59		27	J	45	J
4,4'-DDD	37	U	4.2	U	42	U	4.3	U	43	U
ENDOSULFAN SULFATE	37	U	4.2	U	42	U	4.3	U	43	U
4,4'-DDT	64	J	26	J	42	U	20	J	43	U
METHOXYCHLOR	190	U	36	J	220	U	22	U	220	U
NDRIN KETONE	37	U	37	J	42	U	19	J	43	U
ENDRIN ALDEHYDE	37	U	20	J	42	U	8.7	J	43	U
ALPHA-CHLORDANE	19	U	29	J	22	J	2.2	U	22	U
GAMMA-CHLORDANE	19	U	2.2	U	22	U	2.2	U	22	U
TOXAPHENE	1900	U	220	U	2200	U	220	U	2200	U
AROCLOR-1016	370	U	42	U	420	U	43	U	430	U
AROCLOR-1221	750	U	86	U	860	U	88	U	880	U
AROCLOR-1232	370	U	42	U	420	U	43	U	430	U
AROCLOR-1242	370	U	42	U	420	U	43	U	430	U
AROCLOR-1248	370	U	42	U	420	U	43	U	430	U
AROCLOR-1254	370	U	42	U	420	U	43	U	430	U
AROCLOR-1260	370	U	42	U	420	U	43	U	430	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0085		E0086		E0086MS		E0086MSD		E0087	
Sampling Location :	X127		X144		X144		X144		X138	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/5/2004		5/5/2004	
Time Sampled :	12:30		16:10		16:10		16:10		14:45	
%Moisture :	14		17		17		17		27	
pH :	8.1		7.7		7.7		7.7		7.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.0	U	2.0	U	2.0	U	2.0	U	2.3	R
BETA-BHC	2.0	U	2.0	U	2.0	U	2.0	U	13	J
DELTA-BHC	2.0	U	2.0	U	2.0	U	2.0	U	2.3	R
GAMMA-BHC (LINDANE)	2.0	U	2.0	U	11	J	10	J	2.3	R
HEPTACHLOR	2.0	U	2.0	U	9.9	J	9.1	J	2.3	R
ALDRIN	2.0	U	2.0	U	13		12		5.4	J
HEPTACHLOR EPOXIDE	2.0	U	2.0	U	2.0	U	2.0	U	2.3	R
ENDOSU1FAN I	2.0	U	2.0	U	2.0	U	2.0	U	2.3	R
DIELDRIN	3.8	U	3.9	U	25	J	24	J	4.5	R
4,4'-DDE	4.1		3.9	U	3.9	U	3.9	U	13	J
ENDRIN	3.8	U	3.9	U	24	J	22	J	4.5	R
ENDOSULFAN II	3.8	U	3.9	U	3.9	U	3.9	U	4.5	R
4,4'-DDD	3.8	U	3.9	U	3.9	U	3.9	U	4.5	R
ENDOSULFAN SULFATE	3.8	U	3.9	U	3.9	U	3.9	U	4.5	R
4,4'-DDT	3.8	U	3.9	U	24	J	32	J	4.5	R
METHOXYCHLOR	20	U	20	U	20	U	20	U	23	R
ENDRIN KETONE	8.4	J	5.2	J	3.9	U	3.9	U	17	J
ENDRIN ALDEHYDE	3.8	U	3.9	U	3.9	U	3.9	U	4.5	R
ALPHA-CHLORDANE	2.0	U	2.0	U	2.0	U	2.0	U	10	J
GAMMA-CHLORDANE	2.0	U	2.0	U	2.0	U	2.0	U	2.3	R
TOXAPHENE	200	U	200	U	200	U	200	U	230	R
AROCLOR-1016	38	U	39	U	39	U	39	U	45	R
AROCLOR-1221	77	U	79	U	79	U	79	U	91	R
AROCLOR-1232	38	U	39	U	39	U	39	U	45	R
AROCLOR-1242	38	U	39	U	39	U	39	U	45	R
AROCLOR-1248	38	U	39	U	39	U	39	U	45	R
AROCLOR-1254	38	U	39	U	39	U	39	U	45	R
AROCLOR-1260	38	U	39	U	39	U	39	U	45	R

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0087DL		E0088		E0088DL		E0089		E0090	
Sampling Location :	X138		X143		X143		X114		X116	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2004		5/5/2004		5/5/2004		5/6/2004		5/6/2004	
Time Sampled :	14:45		16:50		16:50		07:45		08:30	
%Moisture :	27		22		22		6		17	
pH :	7.1		5.9		5.9		8.0		7.5	
Dilution Factor :	10.0		1.0		10.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	23	U	2.2	U	22	U	1.8	U	2.0	UJ
BETA-BHC	23	U	68	J	110		1.8	U	2.0	UJ
DELTA-BHC	23	U	8.2	J	22	U	1.8	U	2.0	UJ
GAMMA-BHC (LINDANE)	23	U	2.2	U	22	U	1.8	U	2.0	UJ
HEPTACHLOR	23	U	2.2	U	22	U	1.8	U	2.0	UJ
ALDRIN	23	U	2.2	U	22	U	1.8	U	2.0	UJ
HEPTACHLOR EPOXIDE	23	U	2.2	U	22	U	1.8	U	2.0	UJ
ENDOSU1FAN I	23	U	2.2	U	22	U	1.8	U	2.0	UJ
DIELDRIN	45	U	9.9	J	42	U	3.5	U	4.0	UJ
4,4'-DDE	45	U	4.2	U	42	U	3.5	U	6.6	J
ENDRIN	45	U	8.3	J	42	U	3.5	U	4.0	UJ
ENDOSULFAN II	45	U	4.2	U	42	U	3.5	U	10	J
4,4'-DDD	45	U	4.2	U	42	U	3.5	U	4.0	UJ
ENDOSULFAN SULFATE	45	U	4.2	U	42	U	3.5	U	4.0	UJ
4,4'-DDT	45	U	4.2	U	42	U	3.5	U	5.8	J
METHOXYCHLOR	230	U	30	J	220	U	18	U	20	UJ
ENDRIN KETONE	45	U	4.2	U	42	U	3.5	U	19	J
ENDRIN ALDEHYDE	45	U	12	J	42	U	3.5	U	5.7	J
ALPHA-CHLORDANE	23	U	41	J	22	U	1.8	U	3.0	J
GAMMA-CHLORDANE	23	U	2.5	J	22	U	1.8	U	2.0	UJ
TOXAPHENE	2300	U	220	U	2200	U	180	U	200	UJ
AROCLOR-1016	450	U	42	U	420	U	35	U	40	UJ
AROCLOR-1221	910	U	85	U	850	U	70	U	81	UJ
AROCLOR-1232	450	U	42	U	420	U	35	U	40	UJ
AROCLOR-1242	450	U	42	U	420	U	35	U	40	UJ
AROCLOR-1248	450	U	42	U	420	U	35	U	40	UJ
AROCLOR-1254	450	U	42	U	420	U	35	U	40	UJ
AROCLOR-1260	450	U	42	U	420	U	35	U	40	UJ

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0090DL		E0091		E0092		E0093		E0093DL	
Sampling Location :	X116		X142		X140		X133		X133	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		10:30	
%Moisture :	17		31		38		30		30	
pH :	7.5		7.0		6.7		5.6		5.6	
Dilution Factor :	10.0		1.0		1.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
BETA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
DELTA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
GAMMA-BHC (LINDANE)	20	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR	20	U	2.4	U	27	U	2.4	U	24	U
ALDRIN	20	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR EPOXIDE	20	U	2.4	U	27	U	2.6	J	24	U
ENDOSU1FAN I	20	U	2.8	J	27	U	2.4	U	24	U
DIELDRIN	40	U	4.8	U	53	U	4.7	U	47	U
4,4'-DDE	40	U	7.2	J	53	U	4.7	U	47	U
ENDRIN	40	U	4.8	U	53	U	4.7	U	47	U
ENDOSULFAN II	40	U	4.8	U	53	U	4.7	U	47	U
4,4'-DDD	40	U	4.8	U	53	U	4.7	U	47	U
ENDOSULFAN SULFATE	40	U	4.8	U	53	U	4.7	U	47	U
4,4'-DDT	40	U	6.8	J	53	U	4.7	U	47	U
METHOXYCHLOR	200	U	24	U	270	U	24	U	240	U
ENDRIN KETONE	40	U	19	J	90	J	4.9	J	47	U
ENDRIN ALDEHYDE	40	U	4.8	U	53	U	4.7	U	47	U
ALPHA-CHLORDANE	20	U	2.4	U	50	J	2.4	U	24	U
GAMMA-CHLORDANE	20	U	2.4	U	27	U	2.4	U	24	U
TOXAPHENE	2000	U	240	U	2700	U	240	U	2400	U
AROCLOR-1016	400	U	48	U	530	U	47	U	470	U
AROCLOR-1221	810	U	96	U	1100	U	95	U	950	U
AROCLOR-1232	400	U	48	U	530	U	47	U	470	U
AROCLOR-1242	400	U	48	U	530	U	47	U	470	U
AROCLOR-1248	400	U	48	U	530	U	47	U	470	U
AROCLOR-1254	400	U	48	U	530	U	47	U	470	U
AROCLOR-1260	400	U	48	U	530	U	47	U	470	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0090DL		E0091		E0092		E0093		E0093DL	
Sampling Location :	X116		X142		X140		X133		X133	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	08:30		09:15		09:45		10:30		10:30	
%Moisture :	17		31		38		30		30	
pH :	7.5		7.0		6.7		5.6		5.6	
Dilution Factor :	10.0		1.0		1.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
BETA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
DELTA-BHC	20	U	2.4	U	27	U	2.4	U	24	U
GAMMA-BHC (LINDANE)	20	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR	20	U	2.4	U	27	U	2.4	U	24	U
ALDRIN	20	U	2.4	U	27	U	2.4	U	24	U
HEPTACHLOR EPOXIDE	20	U	2.4	U	27	U	2.6	J	24	U
ENDOSU1FAN I	20	U	2.8	J	27	U	2.4	U	24	U
DIELDRIN	40	U	4.8	U	53	U	4.7	U	47	U
4,4'-DDE	40	U	7.2	J	53	U	4.7	U	47	U
ENDRIN	40	U	4.8	U	53	U	4.7	U	47	U
ENDOSULFAN II	40	U	4.8	U	53	U	4.7	U	47	U
4,4'-DDD	40	U	4.8	U	53	U	4.7	U	47	U
ENDOSULFAN SULFATE	40	U	4.8	U	53	U	4.7	U	47	U
4,4'-DDT	40	U	6.8	J	53	U	4.7	U	47	U
METHOXYCHLOR	200	U	24	U	270	U	24	U	240	U
ENDRIN KETONE	40	U	19	J	90	J	4.9	J	47	U
ENDRIN ALDEHYDE	40	U	4.8	U	53	U	4.7	U	47	U
ALPHA-CHLORDANE	20	U	2.4	U	50	J	2.4	U	24	U
GAMMA-CHLORDANE	20	U	2.4	U	27	U	2.4	U	24	U
TOXAPHENE	2000	U	240	U	2700	U	240	U	2400	U
AROCLOR-1016	400	U	48	U	530	U	47	U	470	U
AROCLOR-1221	810	U	96	U	1100	U	95	U	950	U
AROCLOR-1232	400	U	48	U	530	U	47	U	470	U
AROCLOR-1242	400	U	48	U	530	U	47	U	470	U
AROCLOR-1248	400	U	48	U	530	U	47	U	470	U
AROCLOR-1254	400	U	48	U	530	U	47	U	470	U
AROCLOR-1260	400	U	48	U	530	U	47	U	470	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0094		E0095		E0095DL		E0096		E0097	
Sampling Location :	X134		X135		X135		X112		X130	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/6/2004		5/6/2004		5/6/2004		5/6/2004		5/6/2004	
Time Sampled :	11:05		12:05		12:05		13:50		14:25	
%Moisture :	37		29		29		35		35	
pH :	5.6		6.5		6.5		7.1		6.9	
Dilution Factor :	1.0		1.0		10.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.7	U	2.4	U	24	U	2.6	U	2.6	U
BETA-BHC	2.7	U	2.4	U	24	U	2.6	U	2.6	U
DELTA-BHC	2.7	U	2.4	U	24	U	2.6	U	2.6	U
GAMMA-BHC (LINDANE)	2.7	U	2.4	U	24	U	2.6	U	2.6	U
HEPTACHLOR	2.7	U	2.4	U	24	U	2.6	U	2.6	U
ALDRIN	2.7	U	2.4	U	24	U	2.6	U	2.6	U
HEPTACHLOR EPOXIDE	2.7	U	2.4	U	24	U	2.6	U	11	J
ENDOSU1FAN I	2.7	U	2.4	U	24	U	2.6	U	2.6	U
DIELDRIN	5.2	U	4.6	U	46	U	5.0	U	5.0	U
4,4'-DDE	5.2	U	4.6	U	46	U	5.0	U	11	J
ENDRIN	5.2	U	4.6	U	46	U	5.0	U	5.0	U
ENDOSULFAN II	5.2	U	4.6	U	46	U	5.0	U	5.0	U
4,4'-DDD	5.2	U	4.6	U	46	U	5.0	U	5.0	U
ENDOSULFAN SULFATE	5.2	U	4.6	U	46	U	5.0	U	5.0	U
4,4'-DDT	5.2	U	4.6	U	46	U	5.0	U	5.0	U
METHOXYCHLOR	27	U	24	U	240	U	26	U	26	U
ENDRIN KETONE	6.3	J	7.6	J	46	U	5.0	U	35	J
ENDRIN ALDEHYDE	5.2	U	4.6	U	46	U	5.0	U	5.0	U
ALPHA-CHLORDANE	2.7	U	2.4	U	24	U	2.6	U	3.3	J
GAMMA-CHLORDANE	2.7	U	2.4	U	24	U	2.6	U	2.6	U
TOXAPHENE	270	U	240	U	2400	U	260	U	260	U
AROCLOR-1016	52	U	46	U	460	U	50	U	50	U
AROCLOR-1221	110	U	94	U	940	U	100	U	100	U
AROCLOR-1232	52	U	46	U	460	U	50	U	50	U
AROCLOR-1242	52	U	46	U	460	U	50	U	50	U
AROCLOR-1248	52	U	46	U	460	U	50	U	50	U
AROCLOR-1254	52	U	46	U	460	U	50	U	50	U
AROCLOR-1260	52	U	46	U	460	U	50	U	50	U

Analytical Results (Qualified Data)

Case #: 32839 SDG : E0074
Site : U.S. STEEL CORP JOLIET WORKS
Lab. : CEIMIC
Reviewer : John Walton
Date : 06/17/04

Sample Number :	E0097DL		PBLK01		PBLK02					
Sampling Location :	X130									
Matrix :	Soil		Soil		Soil					
Units :	ug/Kg		ug/Kg		ug/Kg					
Date Sampled :	5/6/2004									
Time Sampled :	14:25									
%Moisture :	35		N/A		N/A					
pH :	6.9									
Dilution Factor :	10.0		1.0		1.0					
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	26	U	1.7	U	1.7	U				
BETA-BHC	26	U	1.7	U	1.7	U				
DELTA-BHC	26	U	1.7	U	1.7	U				
GAMMA-BHC (LINDANE)	26	U	1.7	U	1.7	U				
HEPTACHLOR	26	U	1.7	U	1.7	U				
ALDRIN	26	U	1.7	U	1.7	U				
HEPTACHLOR EPOXIDE	26	U	1.7	U	1.7	U				
ENDOSU1FAN I	26	U	1.7	U	1.7	U				
DIELDRIN	50	U	3.3	U	3.3	U				
4,4'-DDE	50	U	3.3	U	3.3	U				
ENDRIN	50	U	3.3	U	3.3	U				
ENDOSULFAN II	50	U	3.3	U	3.3	U				
4,4'-DDD	50	U	3.3	U	3.3	U				
ENDOSULFAN SULFATE	50	U	3.3	U	3.3	U				
4,4'-DDT	50	U	3.3	U	3.3	U				
METHOXYCHLOR	260	U	17	U	17	U				
ENDRIN KETONE	50	U	3.3	U	3.3	U				
ENDRIN ALDEHYDE	50	U	3.3	U	3.3	U				
ALPHA-CHLORDANE	26	U	1.7	U	1.7	U				
GAMMA-CHLORDANE	26	U	1.7	U	1.7	U				
TOXAPHENE	2600	U	170	U	170	U				
AROCLOR-1016	500	U	33	U	33	U				
AROCLOR-1221	1000	U	67	U	67	U				
AROCLOR-1232	500	U	33	U	33	U				
AROCLOR-1242	500	U	33	U	33	U				
AROCLOR-1248	500	U	33	U	33	U				
AROCLOR-1254	500	U	33	U	33	U				
AROCLOR-1260	500	U	33	U	33	U				

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5-28-04

FROM: Stephen L. Ostrodka, Chief (SMF-4J)
Superfund Field Services Section

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: US Steel Corp. Joliet Works (IL)

CASE NUMBER: 32839 SDG NUMBER: E0074

Number and Type of Samples: 19 (Water)

Sample Numbers: E0074-76, 82-97

Laboratory: Celmic Hrs for Review: _____

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SM-5J

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Re d

Case No: 32839
DAS No:
SDG No: E0041/E0074

L

Date Shipped:	5/4/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023189
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M. Salch

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	5/4/04/1730	Elizabeth Astring	05/05/04 10:00
2	EA			
3		05/05/04		
4				

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D/3
Transfer To:	EA 05/05/04
Lab Contract No:	
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0072	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217484 (Ice Only) (1)	X119	S: 5/4/2004	14:30	ME0072	EA 05/05/04
E0073 ★	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217488 (Ice Only) (1)	X118	S: 5/4/2004	15:00	ME0073	
E0074	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217492 (Ice Only) (1)	X117	S: 5/4/2004	16:00	ME0074	

★ = last sample in SDG E0041

EA 05/05/04

COPY
Original Documents are included in CSF
E0041

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	E0072	EA 05/05/04	5°C	82860

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? ✓ Shipment Iced? ✓

VOA = CLP TCL Volatiles

TR Number: 5-314975591-050404-0003

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32839
Client No:
SDG No: E0041/E0074

L

Date Shipped:	5/4/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023189
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James M. Salch

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	5/4/04/1730	Elizaleth Astring	05/05/04 10:00
2	EA		
3		05/05/04	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D/3
Transfer To:	EA
Lab Contract No:	05/05/04
Unit Price:	

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
E0072	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-217485 (Ice Only) (1)	X119	S: 5/4/2004	14:30	EA 05/05/04
E0073-*	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-217489 (Ice Only) (1)	X118	S: 5/4/2004	15:00	
E0074	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-217493 (Ice Only) (1)	X117	S: 5/4/2004	16:00	

* = last sample in SDG E0041

EA 05/05/04

COPY
Original Documents are included in CSF
E0041

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): EA 05/05/04	Cooler Temperature Upon Receipt: 5°C	Chain of Custody Seal Number: 82860
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

PER_SOL = Percent Solids

TR Number: 5-314975591-050404-0001

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: E0074

L

Date Shipped:	5/5/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023198
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James Salch

	Relinquished By (Date / Time)	Received By (Date / Time)
1	5/5/04/1730	Elizabeth Astuy 05/06/04 10:00
2		
3	EA	05/06/04
4		

For Lab Use Only

Lab Contract No: 68W03018
Unit Price: D/3
Transfer To: EA 05/06/04
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0075	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217496 (Ice Only) (1)	X111	S: 5/5/2004	8:40	ME0075	EA 05/06/04
E0076	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-217500 (Ice Only) (1)	X113	S: 5/5/2004	8:40	ME0076	
E0082	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-66382 (Ice Only) (1)	X129	S: 5/5/2004	10:30	ME0082	
E0083	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-66386 (Ice Only) (1)	X126	S: 5/5/2004	11:45	ME0083	
E0084	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201354 (Ice Only) (1)	X126A	S: 5/5/2004	11:45	ME0084	
E0085	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201358 (Ice Only) (1)	X127	S: 5/5/2004	12:30	ME0085	
E0086	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201362 (Ice Only) (1)	X144	S: 5/5/2004	16:10	ME0086	
E0087	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201366 (Ice Only) (1)	X138	S: 5/5/2004	14:45	ME0087	
E0088	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-201370 (Ice Only) (1)	X143	S: 5/5/2004	16:50	ME0088	

QC

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	E0086	EA 05/06/04	4°C	82842

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? ✓ Shipment Iced? ✓

VOA = CLP TCL Volatiles

TR Number: 5-314975591-050504-0003

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32839
Client No:
SDG No: E0074

L

Date Shipped:	5/5/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023198
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: James Falck

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Ben Corbett	5/5/04/1730	Elizabeth Astrig	05/06/04 10:00
2 EA			
3		05/06/04	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D/3
Transfer To:	EA 05/06/04
Lab Contract No:	
Unit Price:	

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
E0075	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-217497 (Ice Only) (1)	X111	S: 5/5/2004	8:40	EA 05/06/04
E0076	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-066363 (Ice Only) (1)	X113	S: 5/5/2004	8:40	
E0082	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-66383 (Ice Only) (1)	X129	S: 5/5/2004	10:30	
E0083	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201351 (Ice Only) (1)	X126	S: 5/5/2004	11:45	
E0084	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201355 (Ice Only) (1)	X126A	S: 5/5/2004	11:45	
E0085	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201359 (Ice Only) (1)	X127	S: 5/5/2004	12:30	
E0086	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201363 (Ice Only) (1)	X144	S: 5/5/2004	16:10	
E0087	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201367 (Ice Only) (1)	X138	S: 5/5/2004	14:45	
E0088	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-201371 (Ice Only) (1)	X143	S: 5/5/2004	16:50	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05/06/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: 82862
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓
PER_SOL = Percent Solids				

TR Number: 5-314975591-050504-0001

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 32839
DAS No:
SDG No: E0074

L

Date Shipped:	5/6/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023232
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: Paul Mason

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	5/6/04/1600	Elizabeth Astrig	05/07/04 10:00
2	EA		
3		05/07/04	
4			

For Lab Use Only

Lab Contract No: 68W03018
Unit Price: D|3
Transfer To: EA 05/07/04
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0075	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-217498 (Ice Only) (1)	X111	S: 5/5/2004	8:40	ME0075	EA 05/07/04
E0076	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-66364 (Ice Only) (1)	X113	S: 5/5/2004	8:40	ME0076	
E0082	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-66384 (Ice Only) (1)	X129	S: 5/5/2004	10:30	ME0082	
E0083	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201352 (Ice Only) (1)	X126	S: 5/5/2004	11:45	ME0083	
E0084	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201356 (Ice Only) (1)	X126A	S: 5/5/2004	11:45	ME0084	
E0085	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201360 (Ice Only) (1)	X127	S: 5/5/2004	12:30	ME0085	
E0086	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201364 (Ice Only) (1)	X144	S: 5/5/2004	16:10	ME0086	
E0087	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201368 (Ice Only) (1)	X138	S: 5/5/2004	14:45	ME0087	
E0088	Soil/Sediment/ Jim Salch	L/G	BNA/PEST (21)	5-201372 (Ice Only) (1)	X143	S: 5/5/2004	16:50	ME0088	
E0089	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201374 (Ice Only), 5-201376 (Ice Only) (2)	X114	S: 5/6/2004	7:45	ME0089	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05/07/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6°C	Chain of Custody Seal Number: 82865
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-314975591-050604-0003

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

EPA

Case No:	32839
DAS No:	
SDG No:	E0074

L

Date Shipped:	5/6/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023232
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: Paul Mason

	Relinquished By (Date / Time)	Received By (Date / Time)
1	5/6/04/1600	Elizabeth Isting 05/07/04 10:00
2	EA	
3		05/07/04
4		

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D/3
Transfer To:	EA
Lab Contract No:	05/07/04
Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0090	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201378 (Ice Only), 5-201380 (Ice Only) (2)	X116	S: 5/6/2004	8:30	ME0090	EA 05/07/04
E0091	Soil/Sediment/ Paul Mason	H/G	BNA/PEST (21), VOA (21)	5-201382 (Ice Only), 5-201384 (Ice Only) (2)	X142	S: 5/6/2004	9:15	ME0091	
E0092	Soil/Sediment/ Paul Mason	H/G	BNA/PEST (21), VOA (21)	5-201386 (Ice Only), 5-201388 (Ice Only), 5-201394 (Ice Only) (3)	X140	S: 5/6/2004	9:45	ME0092	
E0093	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201390 (Ice Only), 5-201392 (Ice Only) (2)	X133	S: 5/6/2004	10:30	ME0093	
E0094	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201395 (Ice Only), 5-201397 (Ice Only) (2)	X134	S: 5/6/2004	11:05	ME0094	
E0095	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201399 (Ice Only), 5-201415 (Ice Only) (2)	X135	S: 5/6/2004	12:05	ME0095	
E0096	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201417 (Ice Only), 5-201419 (Ice Only) (2)	X112	S: 5/6/2004	13:50	ME0096	
E0097	Soil/Sediment/ Paul Mason	L/G	BNA/PEST (21), VOA (21)	5-201421 (Ice Only), 5-201423 (Ice Only) (2)	X130	S: 5/6/2004	14:25	ME0097	

21

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05/07/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6°C	Chain of Custody Seal Number: 82865
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-314975591-050604-0003

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32839
Client No:
SDG No: E0074

L

Date Shipped:	5/6/2004
Carrier Name:	UPS
Airbill:	1Z6215892210023232
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: Paul Mason

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	5/6/04/1600	Elizabeth Astring	05/07/04 10:00
2	EA		
3		05/07/04	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	D/3
Transfer To:	EA 05/07/04
Lab Contract No:	
Unit Price:	

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
E0089	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201375 (Ice Only) (1)	X114	S: 5/6/2004	7:45	EA 05/07/04
E0090	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201379 (Ice Only) (1)	X116	S: 5/6/2004	8:30	
E0091	Soil/Sediment/ Paul Mason	H/G	PER_SOL (21)	5-201383 (1)	X142	S: 5/6/2004	9:15	
E0093	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201391 (Ice Only) (1)	X133	S: 5/6/2004	10:30	
E0094	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201396 (Ice Only) (1)	X134	S: 5/6/2004	11:05	
E0095	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201400 (Ice Only) (1)	X135	S: 5/6/2004	12:05	
E0096	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201418 (Ice Only) (1)	X112	S: 5/6/2004	13:50	
E0097	Soil/Sediment/ Paul Mason	L/G	PER_SOL (21)	5-201422 (Ice Only) (1)	X130	S: 5/6/2004	14:25	

22

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: EA 05/07/04	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6°C	Chain of Custody Seal Number: 82865
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

PER_SOL = Percent Solids

TR Number: 5-314975591-050604-0001

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SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 32839, and SDG No. E0074, Contract No. 68-W-03-018. Under this SDG there are 21 VOA, 21 SVOA and 21 PEST/PCB samples received at Ceimic Corporation on May 5, 6 and 7, 2004.

EPA ID:	CEIMIC ID:	Analysis
E0074	040369-01	VOA, SVOA, PEST/PCB
E0075	040369-02	VOA, SVOA, PEST/PCB
E0076	040369-03	VOA, SVOA, PEST/PCB
E0082	040369-04	VOA, SVOA, PEST/PCB
E0083	040369-05	VOA, SVOA, PEST/PCB
E0084	040369-06	VOA, SVOA, PEST/PCB
E0085	040369-07	VOA, SVOA, PEST/PCB
E0086	040369-08	VOA, SVOA, PEST/PCB
E0086MS	040369-08MS	VOA, SVOA, PEST/PCB
E0086MSD	040369-08MSD	VOA, SVOA, PEST/PCB
E0087	040369-09	VOA, SVOA, PEST/PCB
E0088	040369-10	VOA, SVOA, PEST/PCB
E0089	040369-11	VOA, SVOA, PEST/PCB
E0090	040369-12	VOA, SVOA, PEST/PCB
E0091	040369-13	VOA, SVOA, PEST/PCB
E0092	040369-14	VOA, SVOA, PEST/PCB
E0093	040369-15	VOA, SVOA, PEST/PCB
E0094	040369-16	VOA, SVOA, PEST/PCB
E0095	040369-17	VOA, SVOA, PEST/PCB
E0096	040369-18	VOA, SVOA, PEST/PCB
E0097	040369-19	VOA, SVOA, PEST/PCB

(1) Sample Receipt

Cooler Temperatures upon receipt were 4°C, 5°C and 6°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS15 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS4 HP5890SeriesII GC, HP5970BMS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

MS10 HP5890SeriesII GC, HP5970BMS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

MS11 HP6890 GC, HP5973MS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD8: HP5890II (GC7) using 30m x 0.53mm ID, DB5 megabore column

AD9: HP5890II (GC7) using 30m x 0.53mm ID, DB1701 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The %moistures of the soil samples were:

Client ID:	Ceimic ID:	%M:
E0074	040369-01	9
E0075	040369-02	35
E0076	040369-03	59
E0082	040369-04	13
E0083	040369-05	25
E0084	040369-06	24
E0085	040369-07	8
E0086	040369-08	19
E0087	040369-09	23
E0088	040369-10	28
E0089	040369-11	7
E0090	040369-12	15

E0091	040369-13	29
E0092	040369-14	37
E0093	040369-15	22
E0094	040369-16	24
E0095	040369-17	30
E0096	040369-18	34
E0097	040369-19	53

Sample E0086 was designated as the QC sample on the Chain of Custody received for the volatile fraction; however, on the COC received for the BNA and the PEST/PCB no sample was designated. SMO was contacted and directed Ceimic to also use sample E0086 for the BNA and PEST/PCB QC.

Manual quantitations were performed on one or more of the process files associated with this SDG, including sample E0088.

B. SVOA Fraction (Method CLP SOW OLM04.3)

The pH and %moisture of the soil samples were:

Client ID:	Ceimic ID:	pH	%M
E0074	040369-01	8.6	16
E0075	040369-02	6.4	29
E0076	040369-03	4.0	19
E0082	040369-04	9.4	11
E0083	040369-05	5.0	23
E0084	040369-06	5.4	24
E0085	040369-07	8.1	14
E0086	040369-08	7.7	17
E0087	040369-09	7.1	27
E0088	040369-10	5.9	22
E0089	040369-11	8.0	6
E0090	040369-12	7.5	17
E0091	040369-13	7.0	31
E0092	040369-14	6.7	38
E0093	040369-15	5.6	30
E0094	040369-16	5.6	37
E0095	040369-17	6.5	29
E0096	040369-18	7.1	35
E0097	040369-19	6.9	35

The following samples were analyzed as Medium Level Solids:

Client ID:	Ceimic ID:
E0082	040369-04
E0087	040369-09

E0088	040369-10
E0091	040369-13
E0092	040369-14
E0093	040369-15
E0097	040369-19

Due to the results of a screen, the following samples were analyzed at a dilution:

Client ID:	Ceimic ID:	Dilution:
E0076	040369-03	5:1
E0083	040369-05	5:1
E0084	040369-06	5:1
E0088	040369-10	10:1
E0092	040369-14	10:1
E0094	040369-16	2:1

Manual quantitations were performed on one or more of the process files associated with this SDG, including samples E0074, E0075, E0076, E0082, E0085, E0086, E0087, E0088, E0091, E0092, E0095, and E0097. In E0074, E0075, E0076, E0083, E0085, and E0095, TICs were identified as 2-methylnaphthalene, benzo(k)fluoranthene, indeno(1,2,3 –cd)pyrene, and dibenzo(g,h,I)perylene, TCL analytes. These TICs were not at the correct retention times for the TCL analytes, which were reported as hits for the samples. These TICs have been left with that assessment name because the contract specifically states that TICs above 85% purity should be assessed as the CAS assessment (exempting alkanes), [page D-46/SVOA; section 11.1.2.5.6]. The Relative Percent Difference (RPD) of pyrene was flagged as an outlier in the comparison of the Medium Level Solid duplicate matrix spikes.

C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

All samples were extracted and analyzed within their respective holding times.

The following samples contained target analytes at concentrations above the linearity range of the initial calibration. They were diluted and re-analyzed:

Sample	**Dilution Factor**
E0076	10
E0082	10
E0083	10
E0084	10
E0087	10
E0088	10
E0090	10
E0093	10
E0095	10

The following Surrogate recoveries were outside the QC limits:

Sample	% TCX 1	% TCX 2	% DCB 1	% DCB 2
E0076			169	
E0087			8	
E0088	165			
E0090			24	
E0092				810
E0091				153

No other non-compliances were noted.

Deviations from the SOW

None other than specified above.

End of SDG Narrative

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 diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Ines Bauer

Ines Bauer, Ph.D
Laboratory Manager

05/27/04

Date

ALKANE NARRATIVE REPORT
Report date : 05/26/2004
SDG: E0074

Client Sample ID: E0074 Lab Sample ID: 040369-01 File ID: DH288

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	8.31	140	J
Unknown Straight Chain Alkane	9.06	120	J
Unknown Branched Alkane	9.49	190	J
Unknown Straight Chain Alkane	9.76	200	J
Unknown Straight Chain Alkane	10.42	210	J
Unknown Straight Chain Alkane	10.69	150	J
Unknown Branched Alkane	11.00	380	J
Unknown Straight Chain Alkane	11.47	280	J
Unknown Straight Chain Alkane	11.92	260	J
Unknown Straight Chain Alkane	12.32	210	J
Unknown Straight Chain Alkane	12.68	160	J
Unknown Straight Chain Alkane	13.03	160	J
Unknown Straight Chain Alkane	13.70	100	J
Unknown Straight Chain Alkane	14.87	89	J

Client Sample ID: E0086 Lab Sample ID: 040369-08 File ID: DH290

Compound	RT	Est. Conc.	Q
Unknown Branched Alkane	9.49	400	J
Unknown Straight Chain Alkane	10.42	120	J
Unknown Branched Alkane	11.00	210	J
Unknown Straight Chain Alkane	11.49	220	J
Unknown Straight Chain Alkane	11.93	170	J
Unknown Straight Chain Alkane	12.34	230	J
Unknown Straight Chain Alkane	12.71	100	J
Unknown Straight Chain Alkane	13.06	190	J
Unknown Straight Chain Alkane	13.40	82	J
Unknown Straight Chain Alkane	13.74	180	J
Unknown Straight Chain Alkane	14.93	120	J
Unknown Branched Alkane	15.97	290	J
Unknown Straight Chain Alkane	16.61	170	J

Client Sample ID: E0083 Lab Sample ID: 040369-05 File ID: DH293

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	7.53	970	J
Unknown Straight Chain Alkane	8.32	1600	J
Unknown Branched Alkane	8.88	1000	J
Unknown Straight Chain Alkane	9.06	2000	J
Unknown Straight Chain Alkane	9.49	3300	J
Unknown Straight Chain Alkane	9.77	2400	J
Unknown Straight Chain Alkane	10.43	2400	J
Unknown Straight Chain Alkane	10.69	1400	J
Unknown Branched Alkane	11.00	4600	J
Unknown Straight Chain Alkane	11.49	950	J
Unknown Straight Chain Alkane	11.94	1900	J
Unknown Straight Chain Alkane	12.34	2200	J
Unknown Straight Chain Alkane	12.72	1000	J
Unknown Straight Chain Alkane	13.07	1100	J
Unknown Straight Chain Alkane	13.40	1200	J
Unknown Straight Chain Alkane	13.75	1000	J
Unknown Straight Chain Alkane	14.93	1600	J
Unknown Straight Chain Alkane	15.97	1400	J

Unknown Straight Chain Alkane	16.62	830	J
Unknown Straight Chain Alkane	17.36	1400	J

Client Sample ID: E0084 Lab Sample ID: 040369-06 File ID: DH294

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	6.72	1200	J
Unknown Straight Chain Alkane	7.53	1300	J
Unknown Straight Chain Alkane	8.31	1900	J
Unknown Straight Chain Alkane	9.07	2500	J
Unknown Branched Alkane	9.49	4000	J
Unknown Straight Chain Alkane	9.77	3200	J
Unknown Straight Chain Alkane	10.42	3000	J
Unknown Branched Alkane	10.69	1700	J
Unknown Branched Alkane	11.01	5100	J
Unknown Straight Chain Alkane	11.49	1100	J
Unknown Straight Chain Alkane	11.94	3400	J
Unknown Straight Chain Alkane	12.35	3100	J
Unknown Straight Chain Alkane	12.73	1400	J
Unknown Straight Chain Alkane	13.08	1700	J
Unknown Straight Chain Alkane	13.42	2300	J
Unknown Straight Chain Alkane	13.77	1800	J
Unknown Straight Chain Alkane	14.96	1300	J
Unknown Straight Chain Alkane	16.00	2200	J
Unknown Straight Chain Alkane	16.63	1300	J
Unknown Straight Chain Alkane	17.39	1700	J

Client Sample ID: E0087 Lab Sample ID: 040369-09 File ID: K8411

Compound	RT	Est. Conc.	Q
Unknown Branched Alkane	8.42	5900	J

Client Sample ID: E0088 Lab Sample ID: 040369-10 File ID: K8414

Compound	RT	Est. Conc.	Q
Unknown Branched Alkane	6.64	110000	J
Unknown Straight Chain Alkane	8.17	150000	J
Unknown Branched Alkane	8.42	260000	J
Unknown Branched Alkane	8.83	190000	J
Unknown Branched Alkane	9.13	79000	J

Client Sample ID: E0091 Lab Sample ID: 040369-13 File ID: K8416

Compound	RT	Est. Conc.	Q
Unknown Branched Alkane	8.42	6500	J
Unknown Straight Chain Alkane	8.83	7200	J

Client Sample ID: E0093 Lab Sample ID: 040369-15 File ID: K8417

Compound	RT	Est. Conc.	Q
Unknown Branched Alkane	8.41	2700	J

Client Sample ID: E0097 Lab Sample ID: 040369-19 File ID: K8418

Compound	RT	Est. Conc.	Q

Unknown Cyclic Alkane	16.07	3600	J

Client Sample ID: SBLKJW Lab Sample ID: MS0513-B4J File ID: JL243

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	16.04	5300	J
Unknown Straight Chain Alkane	17.43	16000	J
Unknown Straight Chain Alkane	19.35	8400	J

Client Sample ID: E0085 Lab Sample ID: 040369-07 File ID: JL247

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	7.63	160	J
Unknown Straight Chain Alkane	8.40	200	J
Unknown Straight Chain Alkane	10.49	590	J
Unknown Branched Alkane	11.07	350	J
Unknown Straight Chain Alkane	11.52	250	J
Unknown Straight Chain Alkane	11.57	160	J
Unknown Straight Chain Alkane	12.35	200	J
Unknown Straight Chain Alkane	12.70	130	J
Unknown Straight Chain Alkane	13.04	110	J
Unknown Straight Chain Alkane	13.37	460	J
Unknown Straight Chain Alkane	13.72	330	J
Unknown Straight Chain Alkane	14.08	360	J
Unknown Straight Chain Alkane	14.46	350	J
Unknown Straight Chain Alkane	15.39	590	J
Unknown Straight Chain Alkane	15.94	510	J

Client Sample ID: E0089 Lab Sample ID: 040369-11 File ID: JL248

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	9.84	140	J
Unknown Straight Chain Alkane	10.48	290	J
Unknown Straight Chain Alkane	11.52	630	J
Unknown Branched Alkane	11.58	220	J
Unknown Branched Alkane	11.71	120	J
Unknown Straight Chain Alkane	11.96	1000	J
Unknown Straight Chain Alkane	12.13	190	J
Unknown Straight Chain Alkane	12.21	200	J
Unknown Straight Chain Alkane	12.35	780	J
Unknown Straight Chain Alkane	12.50	190	J
Unknown Straight Chain Alkane	12.71	840	J
Unknown Straight Chain Alkane	12.85	340	J
Unknown Straight Chain Alkane	13.05	640	J
Unknown Straight Chain Alkane	13.38	430	J
Unknown Straight Chain Alkane	13.51	420	J
Unknown Straight Chain Alkane	13.73	310	J
Unknown Cyclic Alkane	13.77	210	J
Unknown Straight Chain Alkane	13.86	390	J
Unknown Straight Chain Alkane	14.09	570	J
Unknown Straight Chain Alkane	14.91	780	J

Client Sample ID: E0094 Lab Sample ID: 040369-16 File ID: JL249

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	9.59	1300	J
Unknown Straight Chain Alkane	9.84	1000	J

Unknown Straight Chain Alkane	[illegible]	[illegible]	[illegible]
Unknown Branched Alkane	11.08	2200	J
Unknown Straight Chain Alkane	11.53	1500	J
Unknown Straight Chain Alkane	11.96	1300	J
Unknown Straight Chain Alkane	12.35	1100	J
Unknown Straight Chain Alkane	12.71	1500	J
Unknown Straight Chain Alkane	13.04	820	J
Unknown Straight Chain Alkane	13.38	970	J
Unknown Straight Chain Alkane	13.72	1700	J
Unknown Straight Chain Alkane	14.08	1100	J
Unknown Straight Chain Alkane	14.47	820	J
Unknown Straight Chain Alkane	14.90	2400	J
Unknown Straight Chain Alkane	15.95	2200	J
Unknown Straight Chain Alkane	17.35	2500	J
Unknown Straight Chain Alkane	17.88	1000	J
Unknown Straight Chain Alkane	18.23	910	J
Unknown Straight Chain Alkane	19.26	1800	J
Unknown Straight Chain Alkane	21.92	1600	J

Client Sample ID: E0095 Lab Sample ID: 040369-17 File ID: JL250

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	15.96	800	J
Unknown Straight Chain Alkane	17.35	620	J
Unknown Straight Chain Alkane	17.87	510	J
Unknown Branched Alkane	19.27	590	J

Client Sample ID: E0096 Lab Sample ID: 040369-18 File ID: JL251

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	12.73	230	J
Unknown Branched Alkane	12.85	170	J
Unknown Branched Alkane	13.07	460	J
Unknown Straight Chain Alkane	13.40	200	J
Unknown Straight Chain Alkane	13.75	210	J
Unknown Branched Alkane	14.11	570	J
Unknown Straight Chain Alkane	14.51	180	J
Unknown Straight Chain Alkane	14.94	470	J
Unknown Straight Chain Alkane	15.99	770	J
Unknown Straight Chain Alkane	16.28	120	J
Unknown Straight Chain Alkane	16.63	120	J
Unknown Straight Chain Alkane	17.39	1500	J
Unknown Branched Alkane	17.90	110	J
Unknown Straight Chain Alkane	19.31	1400	J
Unknown Branched Alkane	21.96	530	J

Client Sample ID: E0092 Lab Sample ID: 040369-14 File ID: JL252

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	11.58	23000	J

ALKANE NARRATIVE REPORT
Report date : 05/25/2004
SDG: E0074

Client Sample ID: E0088 Lab Sample ID: 040369-10 File ID: OG230

Compound	RT	Est. Conc.	Q
Cyclic Alkane	15.53	250	J
Branched Alkane	15.90	230	J
Cyclic Alkane	16.02	270	J
Branched Alkane	16.11	160	J
Branched Alkane	16.36	140	J
Branched Alkane	16.47	260	J
Cyclic Alkane	16.91	190	J
Cyclic Alkane	17.09	430	J
Cyclic Alkane	17.40	150	J
Branched Alkane	17.56	150	J
Branched Alkane	17.63	770	J
Branched Alkane	17.84	240	J
Cyclic Alkane	18.01	410	J
Branched Alkane	18.20	390	J
Branched Alkane	18.26	290	J
Cyclic Alkane	18.38	180	J
Branched Alkane	18.44	220	J
Cyclic Alkane	19.09	540	J
Cyclic Alkane	19.67	650	J
Branched Alkane	20.54	430	J

Client Sample ID: VBLKOR Lab Sample ID: V150513-B1 File ID: OG249

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	5.70	5	J

Client Sample ID: E0091 Lab Sample ID: 040369-13 File ID: OG256

Compound	RT	Est. Conc.	Q
Branched Alkane	17.61	10	J
Cyclic Alkane	19.65	16	J
Branched Alkane	19.94	8	J
Branched Alkane	20.53	30	J
Branched Alkane	21.31	20	J
Cyclic Alkane	21.78	12	J

Client Sample ID: E0093 Lab Sample ID: 040369-15 File ID: OG257

Compound	RT	Est. Conc.	Q
Cyclic Alkane	14.92	7	J
Branched Alkane	20.54	6	J

Client Sample ID: E0092 Lab Sample ID: 040369-14 File ID: OG262

Compound	RT	Est. Conc.	Q
Cyclic Alkane	11.58	97	J
Cyclic Alkane	12.36	88	J
Cyclic Alkane	13.44	95	J
Cyclic Alkane	13.54	100	J

Cyclic Alkane	13.65	130	J
Cyclic Alkane	14.06	77	J
Cyclic Alkane	14.91	130	J
Cyclic Alkane	15.00	95	J
Cyclic Alkane	15.07	130	J
Cyclic Alkane	15.68	66	J
Branched Alkane	15.88	260	J
Cyclic Alkane	16.01	240	J
Branched Alkane	16.45	87	J
Cyclic Alkane	16.66	190	J
Cyclic Alkane	17.07	150	J
Branched Alkane	17.61	110	J
Cyclic Alkane	17.99	150	J
Cyclic Alkane	18.85	79	J
Cyclic Alkane	19.65	100	J
Cyclic Alkane	21.10	77	J

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKOQ	100	94	96		0
02	E0074	95	100	102		0
03	E0075	97	96	100		0
04	E0076	100	100	106		0
05	E0082	98	97	102		0
06	E0083	104	94	98		0
07	E0084	99	94	99		0
08	E0085	96	100	100		0
09	E0086	100	92	100		0
10	E0087	101	91	99		0
11	E0089	97	97	100		0
12	E0088	101	109	103		0
13	VBLKOR	110	100	106		0
14	E0086MS	107	103	107		0
15	E0086MSD	108	102	108		0
16	E0090	106	100	106		0
17	E0091	107	100	106		0
18	E0093	105	105	102		0
19	E0094	108	101	101		0
20	E0095	107	100	101		0
21	E0096	107	105	102		0
22	E0097	105	103	104		0
23	E0092	125	94	103		0
24	VBLKOU	98	100	102		0
25	VHBLK01	100	98	94		0
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix Spike - EPA Sample No.: E0086 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	58	0.0	47	81	59-172
Trichloroethene	58	0.0	44	76	62-137
Benzene	58	0.0	51	88	66-142
Toluene	58	0.0	46	79	59-139
Chlorobenzene	58	0.0	43	74	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	52	41	79	3	22	59-172
Trichloroethene	52	39	75	1	24	62-137
Benzene	52	47	90	2	21	66-142
Toluene	52	42	81	3	21	59-139
Chlorobenzene	52	40	77	4	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: OG210 Lab Sample ID: V150511-B2

Date Analyzed: 05/11/04 Time Analyzed: 1558

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0074	040369-01	OG220	2122
02	E0075	040369-02	OG221	2153
03	E0076	040369-03	OG222	2224
04	E0082	040369-04	OG223	2255
05	E0083	040369-05	OG224	2326
06	E0084	040369-06	OG225	2358
07	E0085	040369-07	OG226	0028
08	E0086	040369-08	OG227	0059
09	E0087	040369-09	OG228	0131
10	E0089	040369-11	OG229	0201
11	E0088	040369-10	OG230	0233
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: OG249 Lab Sample ID: V150513-B1

Date Analyzed: 05/13/04 Time Analyzed: 1154

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0086MS	040369-08MS	OG253	1411
02	E0086MSD	040369-08MSD	OG254	1442
03	E0090	040369-12	OG255	1514
04	E0091	040369-13	OG256	1545
05	E0093	040369-15	OG257	1616
06	E0094	040369-16	OG258	1647
07	E0095	040369-17	OG259	1718
08	E0096	040369-18	OG260	1749
09	E0097	040369-19	OG261	1820
10	E0092	040369-14	OG262	1851
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: OG317 Lab Sample ID: V150518-B1

Date Analyzed: 05/18/04 Time Analyzed: 1036

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	040369-21	OG320	1222
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0074

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 6.2(g/mL) G Lab File ID: OG220

Level: (low/med) LOW Date Received: 05/05/04

% Moisture: not dec. 9 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~R~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

3W 6/16/

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0074

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 6.2(g/mL) G Lab File ID: OG220

Level: (low/med) LOW Date Received: 05/05/04

% Moisture: not dec. 9 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0074

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 6.2 (g/mL) G Lab File ID: OG220

Level: (low/med) LOW Date Received: 05/05/04

% Moisture: not dec. 9 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.92	13	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-02

Sample wt/vol: 4.8(g/mL) G Lab File ID: OG221

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 33 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	16	U
74-87-3	Chloromethane	16	U
75-01-4	Vinyl Chloride	16	U
74-83-9	Bromomethane	16	U
75-00-3	Chloroethane	16	U
75-69-4	Trichlorofluoromethane	3	J
75-35-4	1,1-Dichloroethene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	16	U
79-20-9	Methyl Acetate	16	U
75-09-2	Methylene Chloride	16 ~~18~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	16	U
1634-04-4	Methyl tert-Butyl Ether	16	U
75-34-3	1,1-Dichloroethane	16	U
156-59-2	cis-1,2-Dichloroethene	16	U
78-93-3	2-Butanone	16	U
67-66-3	Chloroform	16	U
71-55-6	1,1,1-Trichloroethane	16	U
110-82-7	Cyclohexane	16	U
56-23-5	Carbon Tetrachloride	16	U
71-43-2	Benzene	16	U
107-06-2	1,2-Dichloroethane	16	U

JW 6/16

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-02

Sample wt/vol: 4.8(g/mL) G Lab File ID: OG221

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 33 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	3	J
108-87-2	Methylcyclohexane	16	U
78-87-5	1,2-Dichloropropane	16	U
75-27-4	Bromodichloromethane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
108-88-3	Toluene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
79-00-5	1,1,2-Trichloroethane	16	U
127-18-4	Tetrachloroethene	16	U
591-78-6	2-Hexanone	16	U
124-48-1	Dibromochloromethane	16	U
106-93-4	1,2-Dibromoethane	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
1330-20-7	Xylene (Total)	16	U
100-42-5	Styrene	16	U
75-25-2	Bromoform	16	U
98-82-8	Isopropylbenzene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	U
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	16	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-02

Sample wt/vol: 4.8 (g/mL) G Lab File ID: OG221

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 33 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.92	21	J
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 3.7(g/mL) G Lab File ID: OG222

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 59 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	33	U
74-87-3	Chloromethane	33	U
75-01-4	Vinyl Chloride	33	U
74-83-9	Bromomethane	33	U
75-00-3	Chloroethane	33	U
75-69-4	Trichlorofluoromethane	33	U
75-35-4	1,1-Dichloroethene	33	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	33	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	16	J
79-20-9	Methyl Acetate	33	U
75-09-2	Methylene Chloride	33 ~~15~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	33	U
1634-04-4	Methyl tert-Butyl Ether	33	U
75-34-3	1,1-Dichloroethane	33	U
156-59-2	cis-1,2-Dichloroethene	33	U
78-93-3	2-Butanone	33	U
67-66-3	Chloroform	33	U
71-55-6	1,1,1-Trichloroethane	33	U
110-82-7	Cyclohexane	33	U
56-23-5	Carbon Tetrachloride	33	U
71-43-2	Benzene	52	
107-06-2	1,2-Dichloroethane	33	U

6/16/

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 3.7(g/mL) G Lab File ID: OG222

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 59 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	33	U
108-87-2	Methylcyclohexane	33	U
78-87-5	1,2-Dichloropropane	33	U
75-27-4	Bromodichloromethane	33	U
10061-01-5	cis-1,3-Dichloropropene	33	U
108-10-1	4-Methyl-2-Pentanone	33	U
108-88-3	Toluene	33	U
10061-02-6	trans-1,3-Dichloropropene	33	U
79-00-5	1,1,2-Trichloroethane	33	U
127-18-4	Tetrachloroethene	33	U
591-78-6	2-Hexanone	33	U
124-48-1	Dibromochloromethane	33	U
106-93-4	1,2-Dibromoethane	33	U
108-90-7	Chlorobenzene	33	U
100-41-4	Ethylbenzene	33	U
1330-20-7	Xylene (Total)	33	U
100-42-5	Styrene	33	U
75-25-2	Bromoform	33	U
98-82-8	Isopropylbenzene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	33	U
95-50-1	1,2-Dichlorobenzene	33	U
96-12-8	1,2-Dibromo-3-chloropropane	33	U
120-82-1	1,2,4-Trichlorobenzene	33	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 3.7 (g/mL) G Lab File ID: OG222

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 59 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.92	34	J
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04

Sample wt/vol: 4.6(g/mL) G Lab File ID: OG223

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 13 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12 ~~8~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04

Sample wt/vol: 4.6(g/mL) G Lab File ID: OG223

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 13 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04

Sample wt/vol: 4.6 (g/mL) G Lab File ID: OG223

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 13 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.91	10	NJ
2.				
3.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05

Sample wt/vol: 3.9(g/mL) G Lab File ID: OG224

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 25 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	17	U
74-87-3	Chloromethane	17	U
75-01-4	Vinyl Chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	17	U
75-69-4	Trichlorofluoromethane	17	U
75-35-4	1,1-Dichloroethene	17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U
67-64-1	Acetone	17	U
75-15-0	Carbon Disulfide	17	U
79-20-9	Methyl Acetate	17	U
75-09-2	Methylene Chloride	17 8	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	17	U
1634-04-4	Methyl tert-Butyl Ether	17	U
75-34-3	1,1-Dichloroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U
78-93-3	2-Butanone	17	U
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	U
110-82-7	Cyclohexane	17	U
56-23-5	Carbon Tetrachloride	17	U
71-43-2	Benzene	17	U
107-06-2	1,2-Dichloroethane	17	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05

Sample wt/vol: 3.9(g/mL) G Lab File ID: OG224

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 25 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	17	U
108-87-2	Methylcyclohexane	17	U
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-Pentanone	17	U
108-88-3	Toluene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
79-00-5	1,1,2-Trichloroethane	17	U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-Hexanone	17	U
124-48-1	Dibromochloromethane	17	U
106-93-4	1,2-Dibromoethane	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
1330-20-7	Xylene (Total)	17	U
100-42-5	Styrene	17	U
75-25-2	Bromoform	17	U
98-82-8	Isopropylbenzene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0083

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05

Sample wt/vol: 3.9 (g/mL) G Lab File ID: OG224

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 25 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.91	34	J
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06

Sample wt/vol: 4.0(g/mL) G Lab File ID: OG225

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 24 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	16	U
74-87-3	Chloromethane	16	U
75-01-4	Vinyl Chloride	16	U
74-83-9	Bromomethane	16	U
75-00-3	Chloroethane	16	U
75-69-4	Trichlorofluoromethane	16	U
75-35-4	1,1-Dichloroethene	16	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	16	U
79-20-9	Methyl Acetate	16	U
75-09-2	Methylene Chloride	16 ~~8~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	16	U
1634-04-4	Methyl tert-Butyl Ether	16	U
75-34-3	1,1-Dichloroethane	16	U
156-59-2	cis-1,2-Dichloroethene	16	U
78-93-3	2-Butanone	16	U
67-66-3	Chloroform	16	U
71-55-6	1,1,1-Trichloroethane	16	U
110-82-7	Cyclohexane	16	U
56-23-5	Carbon Tetrachloride	16	U
71-43-2	Benzene	16	U
107-06-2	1,2-Dichloroethane	16	U

JW 6/14

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06

Sample wt/vol: 4.0(g/mL) G Lab File ID: OG225

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 24 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	16	U
108-87-2	Methylcyclohexane	16	U
78-87-5	1,2-Dichloropropane	16	U
75-27-4	Bromodichloromethane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
108-88-3	Toluene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
79-00-5	1,1,2-Trichloroethane	16	U
127-18-4	Tetrachloroethene	16	U
591-78-6	2-Hexanone	16	U
124-48-1	Dibromochloromethane	16	U
106-93-4	1,2-Dibromoethane	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
1330-20-7	Xylene (Total)	16	U
100-42-5	Styrene	16	U
75-25-2	Bromoform	16	U
98-82-8	Isopropylbenzene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	U
96-12-8	1,2-Dibromo-3-chloropropane	16	U
120-82-1	1,2,4-Trichlorobenzene	16	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06

Sample wt/vol: 4.0 (g/mL) G Lab File ID: OG225

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 24 Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	16.91	17	J
2.					
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0085

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 10.4(g/mL) G Lab File ID: OG226

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 8 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~8~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0085

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 10.4(g/mL) G Lab File ID: OG226

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 8 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	0.7	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0085

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 10.4 (g/mL) G Lab File ID: OG226

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 8 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.91	9	J
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08

Sample wt/vol: 6.0(g/mL) G Lab File ID: OG227

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 19 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~5~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

RW 6/16

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08

Sample wt/vol: 6.0(g/mL) G Lab File ID: OG227

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 19 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0086

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08

Sample wt/vol: 6.0 (g/mL) G Lab File ID: OG227

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 19 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.91	21	J
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MS

Sample wt/vol: 5.3(g/mL) G Lab File ID: OG253

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 19 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	47	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	21	~~B~~ U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	51	
107-06-2	1,2-Dichloroethane	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12

Sample wt/vol: 4.1(g/mL) G Lab File ID: OG255

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 15 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0089

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 6.9 (g/mL) G Lab File ID: OG229

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 7 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.92	9	NJ
2.				
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1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09

Sample wt/vol: 4.2(g/mL) G Lab File ID: OG228

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 23 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	15	U
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09

Sample wt/vol: 4.2(g/mL) G Lab File ID: OG228

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 23 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	15	U
75-09-2	Methylene Chloride	15 A	~~J~~B U
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-Butyl Ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-Butanone	15	U
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
110-82-7	Cyclohexane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	15	U
107-06-2	1,2-Dichloroethane	15	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MSD

Sample wt/vol: 5.9(g/mL) G Lab File ID: OG254

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 19 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	39	~~B~~ X B
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	42	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	40	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MSD

Sample wt/vol: 5.9(g/mL) G Lab File ID: OG254

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 19 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	41	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	29	~~B~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	47	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0089

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 6.9(g/mL) G Lab File ID: OG229

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 7 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0089

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 6.9(g/mL) G Lab File ID: OG229

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 7 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~B~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0088

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 5.2 (g/mL) G Lab File ID: OG230

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 28 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 29

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKENE	16.68	520	J
2.	CYCLIC ALKENE	17.00	230	J
3.	UNKNOWN	17.16	180	J
4.	C3-BENZENE ISOMER	17.90	99	J
5. 141-93-5	BENZENE, 1,3-DIETHYL-	18.54	570	NJ
6. 91-17-8	NAPHTHALENE, DECAHYDRO-	18.64	490	NJ
7. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	19.18	740	NJ
8.	C4-BENZENE ISOMER	19.33	680	J
9.	UNKNOWN KETONE	19.44	170	J
10. 89-82-7	PULEGONE	19.53	520	NJ
11. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.72	750	NJ
12. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.79	980	NJ
13.	C4-BENZENE ISOMER	19.90	430	J
14.	UNKNOWN	20.03	200	J
15. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	20.14	450	NJ
16.	C5-BENZENE ISOMER	20.23	230	J
17.	UNKNOWN	20.35	1300	J
18. 54411-12-0	BENZENE, (2-CHLORO-2-BUTENYL	20.71	310	NJ
19. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	20.78	390	NJ
20.	UNKNOWN	20.85	510	J
21.	TETRAHYDRO-NAPHTHALENE ISOME	20.98	370	J
22.	DECAHYDRONAPHTHALENE ISOMER	21.21	300	J
23.	C5-BENZENE ISOMER	21.42	330	J
24. 1559-81-5	NAPHTHALENE, 1,2,3,4-TETRAHY	21.68	390	NJ
25. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	21.91	500	NJ
26.	C5-BENZENE ISOMER	22.09	94	J
27.	UNKNOWN	22.17	220	J
28. 769-25-5	BENZENE, 2-ETHENYL-1,3,5-TRI	22.35	120	NJ
29. 90-12-0	NAPHTHALENE, 1-METHYL-	22.84	320	NJ
30.				

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0088

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 5.2(g/mL) G Lab File ID: OG230

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 28 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	12	J
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	18	
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	54	
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	3	J
1330-20-7	Xylene (Total)	14	
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	21	
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0088

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 5.2(g/mL) G Lab File ID: OG230

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 28 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	42	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	~~13~~ 8	~~J~~B U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	15	
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	3	J
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	13	U

gw 6/16/

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09

Sample wt/vol: 4.2 (g/mL) G Lab File ID: OG228

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 23 Date Analyzed: 05/12/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	16.91	13	J
2.					
3.					
4.					
5.					
6.					
7.					
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9.					
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11.					
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30.					

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MS

Sample wt/vol: 5.3(g/mL) G Lab File ID: OG253

Level: (low/med) LOW Date Received: 05/06/04

% Moisture: not dec. 19 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	44	~~BXB~~ RU 6/16/
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12

Sample wt/vol: 4.1(g/mL) G Lab File ID: OG255

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 15 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (Total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12

Sample wt/vol: 4.1 (g/mL) G Lab File ID: OG255

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 15 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.91	10	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 5.1(g/mL) G Lab File ID: OG256

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 29 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	13	J
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	~~14~~ 8	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	2	J
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 5.1(g/mL) G Lab File ID: OG256

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 29 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (Total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 5.1 (g/mL) G Lab File ID: OG256

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 29 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 29

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.91	11	J
2. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	19.17	14	NJ
3. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	19.31	18	NJ
4. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	19.51	25	NJ
5. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.70	23	NJ
6. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.79	39	NJ
7.	UNKNOWN HYDROCARBON	19.89	11	J
8. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	20.12	11	NJ
9.	UNKNOWN HYDROCARBON	20.33	65	J
10.	CYCLIC ALKENE	20.58	11	J
11.	HALOGENATED HYDROCARBON	20.70	11	J
12. 17059-48-2	1H-INDENE, 2,3-DIHYDRO-1,6-D	20.77	24	NJ
13.	C5-BENZENE ISOMER	20.83	21	J
14. 17059-48-2	1H-INDENE, 2,3-DIHYDRO-1,6-D	20.96	19	NJ
15.	UNKNOWN HYDROCARBON	21.19	19	J
16.	TETRAHYDRO-NAPHTHALENE ISOME	21.41	20	J
17. 17059-48-2	1H-INDENE, 2,3-DIHYDRO-1,6-D	21.67	29	NJ
18. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	21.90	48	NJ
19.	C5-BENZENE ISOMER	22.08	12	J
20.	UNKNOWN	22.17	28	J
21.	UNKNOWN	22.25	15	J
22. 1129-29-9	BENZENE, 1-(1-METHYLETHENYL)	22.36	16	NJ
23. 54340-86-2	BENZENE, 4-(2-BUTENYL)-1,2-D	22.67	15	NJ
24. 90-12-0	NAPHTHALENE, 1-METHYL-	22.83	110	NJ
25.	UNKNOWN	23.15	13	J
26.	TETRAHYDRONAPTHALENE ISOMER	23.49	11	J
27. 939-27-5	NAPHTHALENE, 2-ETHYL-	23.78	40	NJ
28. 1127-76-0	NAPHTHALENE, 1-ETHYL-	23.83	26	NJ
29. 571-61-9	NAPHTHALENE, 1,5-DIMETHYL-	23.94	54	NJ
30.				

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-14

Sample wt/vol: 4.5(g/mL) G Lab File ID: OG262

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 37 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	18	U
74-87-3	Chloromethane	18	U
75-01-4	Vinyl Chloride	18	U
74-83-9	Bromomethane	18	U
75-00-3	Chloroethane	18	U
75-69-4	Trichlorofluoromethane	18	U
75-35-4	1,1-Dichloroethene	18	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	18	U
79-20-9	Methyl Acetate	18	U
75-09-2	Methylene Chloride	55	~~B~~ U
156-60-5	trans-1,2-Dichloroethene	18	U
1634-04-4	Methyl tert-Butyl Ether	18	U
75-34-3	1,1-Dichloroethane	18	U
156-59-2	cis-1,2-Dichloroethene	18	U
78-93-3	2-Butanone	3	J
67-66-3	Chloroform	18	U
71-55-6	1,1,1-Trichloroethane	18	U
110-82-7	Cyclohexane	13	J
56-23-5	Carbon Tetrachloride	18	U
71-43-2	Benzene	18	U
107-06-2	1,2-Dichloroethane	18	U

JW 6/10/

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-14

Sample wt/vol: 4.5(g/mL) G Lab File ID: OG262

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 37 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	18	U
108-87-2	Methylcyclohexane	90	
78-87-5	1,2-Dichloropropane	18	U
75-27-4	Bromodichloromethane	18	U
10061-01-5	cis-1,3-Dichloropropene	18	U
108-10-1	4-Methyl-2-Pentanone	18	U
108-88-3	Toluene	18	U
10061-02-6	trans-1,3-Dichloropropene	18	U
79-00-5	1,1,2-Trichloroethane	150	
127-18-4	Tetrachloroethene	18	U
591-78-6	2-Hexanone	93	
124-48-1	Dibromochloromethane	18	U
106-93-4	1,2-Dibromoethane	18	U
108-90-7	Chlorobenzene	18	U
100-41-4	Ethylbenzene	18	U
1330-20-7	Xylene (Total)	18	U
100-42-5	Styrene	18	U
75-25-2	Bromoform	18	U
98-82-8	Isopropylbenzene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	18	U
541-73-1	1,3-Dichlorobenzene	18	U
106-46-7	1,4-Dichlorobenzene	18	U
95-50-1	1,2-Dichlorobenzene	18	U
96-12-8	1,2-Dibromo-3-chloropropane	18	U
120-82-1	1,2,4-Trichlorobenzene	18	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-14

Sample wt/vol: 4.5 (g/mL) G Lab File ID: OG262

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 37 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 29

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	STRAIGHT-CHAIN ALKENE	13.92	71	J
2. 694-72-4	PENTALENE, OCTAHYDRO-	14.63	89	NJ
3.	CYCLIC ALKENE	15.26	57	J
4. 4926-78-7	CYCLOHEXANE, 1-ETHYL-4-METHY	15.50	170	NJ
5.	UNKNOWN	16.27	92	J
6.	UNKNOWN HYDROCARBON	16.50	86	J
7.	UNKNOWN HYDROCARBON	16.98	64	J
8.	UNKNOWN	17.18	100	J
9. 3868-64-2	PENTALENE, OCTAHYDRO-2-METHY	17.39	120	NJ
10.	UNKNOWN HYDROCARBON	18.50	130	J
11.	DECAHYDRONAPHTHALENE ISOMER	18.62	86	J
12. 135-01-3	BENZENE, 1,2-DIETHYL-	18.81	78	NJ
13. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	19.17	160	NJ
14. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	19.31	280	NJ
15. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	19.51	140	NJ
16. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	19.70	160	NJ
17. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	19.80	90	NJ
18. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	19.89	74	NJ
19. 4706-89-2	BENZENE, 2,4-DIMETHYL-1-(1-M	20.01	54	NJ
20. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	20.12	69	NJ
21. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	20.33	370	NJ
22. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	20.77	150	NJ
23.	UNKNOWN	20.83	83	J
24. 17059-48-2	1H-INDENE, 2,3-DIHYDRO-1,6-D	20.96	200	NJ
25.	C5-BENZENE ISOMER	21.20	62	J
26.	C5-BENZENE ISOMER	21.41	53	J
27. 4175-53-5	1H-INDENE, 2,3-DIHYDRO-1,3-D	21.67	82	NJ
28. 17057-82-8	1H-INDENE, 2,3-DIHYDRO-1,2-D	21.90	120	NJ
29.	UNKNOWN	22.17	83	J
30.				

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0093

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 5.1(g/mL) G Lab File ID: OG257

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 22 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	11	J
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13 ~~6~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	2	J
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

W 6/16/

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0093

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 5.1(g/mL) G Lab File ID: OG257

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 22 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	2	J
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (Total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0093

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 5.1 (g/mL) G Lab File ID: OG257

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 22 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	15.46	9	J
2. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.90	15	NJ
3.	NAPHTHALENE ISOMER	20.08	6	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0094

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-16

Sample wt/vol: 4.4(g/mL) G Lab File ID: OG258

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 24 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U
67-64-1	Acetone	62	
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	15	U
75-09-2	Methylene Chloride	15	~~JB~~
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-Butyl Ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-Butanone	20	
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
110-82-7	Cyclohexane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	15	U
107-06-2	1,2-Dichloroethane	15	U

JW 6/16/

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0094

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-16

Sample wt/vol: 4.4(g/mL) G Lab File ID: OG258

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 24 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	15	U
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0094

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-16

Sample wt/vol: 4.4 (g/mL) G Lab File ID: OG258

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 24 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.91	11	NJ
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0095

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 4.9(g/mL) G Lab File ID: OG259

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 30 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U
67-64-1	Acetone	110	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	15	U
75-09-2	Methylene Chloride	15 ~~B~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-Butyl Ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-Butanone	35	
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
110-82-7	Cyclohexane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	15	U
107-06-2	1,2-Dichloroethane	15	U

FORM I VOA-1 OLM04.

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0095

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 4.9(g/mL) G Lab File ID: OG259

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 30 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	15	U
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0095

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 4.9 (g/mL) G Lab File ID: OG259

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 30 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.90	13	NJ
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-18

Sample wt/vol: 4.5(g/mL) G Lab File ID: OG260

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 34 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	17	U
74-87-3	Chloromethane	17	U
75-01-4	Vinyl Chloride	17	U
74-83-9	Bromomethane	17	U
75-00-3	Chloroethane	17	U
75-69-4	Trichlorofluoromethane	17	U
75-35-4	1,1-Dichloroethene	17	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U
67-64-1	Acetone	100	
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	17	U
75-09-2	Methylene Chloride	17 ~~8~~	~~JB~~
156-60-5	trans-1,2-Dichloroethene	17	U
1634-04-4	Methyl tert-Butyl Ether	17	U
75-34-3	1,1-Dichloroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U
78-93-3	2-Butanone	30	
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	U
110-82-7	Cyclohexane	17	U
56-23-5	Carbon Tetrachloride	17	U
71-43-2	Benzene	17	U
107-06-2	1,2-Dichloroethane	17	U

gw 6/16/

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-18

Sample wt/vol: 4.5(g/mL) G Lab File ID: OG260

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 34 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	17	U
108-87-2	Methylcyclohexane	17	U
78-87-5	1,2-Dichloropropane	17	U
75-27-4	Bromodichloromethane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
108-10-1	4-Methyl-2-Pentanone	17	U
108-88-3	Toluene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
79-00-5	1,1,2-Trichloroethane	17	U
127-18-4	Tetrachloroethene	17	U
591-78-6	2-Hexanone	17	U
124-48-1	Dibromochloromethane	17	U
106-93-4	1,2-Dibromoethane	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
1330-20-7	Xylene (Total)	17	U
100-42-5	Styrene	17	U
75-25-2	Bromoform	17	U
98-82-8	Isopropylbenzene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-18

Sample wt/vol: 4.5 (g/mL) G Lab File ID: OG260

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 34 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0097

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 7.2(g/mL) G Lab File ID: OG261

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 53 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U
67-64-1	Acetone	17	
75-15-0	Carbon Disulfide	7	J
79-20-9	Methyl Acetate	15	U
75-09-2	Methylene Chloride	~~15~~ 8	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-Butyl Ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U
78-93-3	2-Butanone	5	J
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
110-82-7	Cyclohexane	15	U
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	15	U
107-06-2	1,2-Dichloroethane	15	U

3W 6/16/

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0097

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 7.2(g/mL) G Lab File ID: OG261

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 53 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	15	U
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	15	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	2	J
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0097

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 7.2 (g/mL) G Lab File ID: OG261

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: not dec. 53 Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.90	9	NJ
2.	UNKNOWN	20.54	11	J
3.	UNKNOWN	21.20	8	J
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150511-B2

Sample wt/vol: 5.0(g/mL) G Lab File ID: OG210

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	7	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150511-B2

Sample wt/vol: 5.0(g/mL) G Lab File ID: OG210

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKOQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150511-B2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OG210

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/11/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150513-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: OG249

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150513-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OG249

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKOR

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150513-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OG249

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	19.48	5	J
2.	UNKNOWN	21.79	18	J
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150518-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: OG317

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	7	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150518-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: OG317

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKOU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: V150518-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OG317

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-21

Sample wt/vol: 5.0(g/mL) G Lab File ID: OG320

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~8~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

W 6/1/01

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-21

Sample wt/vol: 5.0(g/mL) G Lab File ID: OG320

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	~~10~~ 11	~~JB~~ U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

JW 6/19

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OG320

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKDH	51	59	82	68	72	68	56	48	0
02	SBLKDI	76	82	76	88	88	120	80	76	0
03	E0074	50	70	65	67	63	47	53	48	0
04	E0075	74	83	61	80	80	120	69	70	0
05	E0086	65	75	47	73	67	90	63	60	0
06	E0086MS	44	60	42	57	53	83	47	42	0
07	E0086MSD	55	65	40	63	67	77	53	55	0
08	E0083	50	59	28	53	41	38	44	45	0
09	E0084	55	64	31	55	39	36	45	50	0
10	SBLKJQ	76	76	59	80	72	88	76	71	0
11	E0076	55	70	48	67	57	67	63	48	0
12	E0085	53	58	48	52	41	52	45	46	0
13	E0089	56	67	44	65	54	65	58	49	0
14	E0094	54	69	46	64	51	74	56	46	0
15	E0095	61	70	48	66	57	71	63	57	0
16	E0096	44	60	44	53	39	66	45	35	0
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Level: (low/med) MED

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKKU	74	76	74	79	75	95	76	66	0
02	E0082	59	63	70	58	55	76	55	50	0
03	E0087	81	85	85	85	82	100	83	71	0
04	E0087MS	65	70	75	66	60	81	63	58	0
05	E0087MSD	65	75	74	68	64	91	67	59	0
06	E0088	53	70	72	51	43	54	49	45	0
07	E0090	70	76	76	71	65	77	68	64	0
08	E0091	58	71	80	55	45	68	51	50	0
09	E0093	69	81	85	76	72	104	75	65	0
10	E0097	66	76	79	70	66	87	68	60	0
11	SBLKJW	66	68	78	69	63	71	65	60	0
12	E0092	47	67	78	48	33	37	43	41	0
13										
14										
15										
16										
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27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix Spike - EPA Sample No.: E0086 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3000	0.0	1700	57	26- 90
2-Chlorophenol	3000	0.0	1500	50	25-102
N-Nitroso-di-n-prop.(1)	2000	0.0	950	48	41-126
4-Chloro-3-Methylphenol	3000	0.0	1900	63	26-103
Acenaphthene	2000	100	1400	65	31-137
4-Nitrophenol	3000	0.0	1900	63	11-114
2,4-Dinitrotoluene	2000	0.0	1400	70	28- 89
Pentachlorophenol	3000	0.0	720	24	17-109
Pyrene	2000	800	1700	45	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3000	1800	60	5	35	26- 90
2-Chlorophenol	3000	1800	60	18	50	25-102
N-Nitroso-di-n-prop.(1)	2000	1100	55	14	38	41-126
4-Chloro-3-Methylphenol	3000	1800	60	5	33	26-103
Acenaphthene	2000	1300	60	8	19	31-137
4-Nitrophenol	3000	1800	60	5	50	11-114
2,4-Dinitrotoluene	2000	1300	65	7	47	28- 89
Pentachlorophenol	3000	770	26	8	47	17-109
Pyrene	2000	1600	40	12	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix Spike - EPA Sample No.: E0087 Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	86000	0.0	52000	60	26- 90
2-Chlorophenol	86000	0.0	47000	55	25-102
N-Nitroso-di-n-prop.(1)	57000	0.0	33000	58	41-126
4-Chloro-3-Methylphenol	86000	0.0	59000	69	26-103
Acenaphthene	57000	0.0	39000	68	31-137
4-Nitrophenol	86000	0.0	65000	76	11-114
2,4-Dinitrotoluene	57000	0.0	42000	74	28- 89
Pentachlorophenol	86000	0.0	38000	44	17-109
Pyrene	57000	31000	99000	119	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100000	62000	62	3	35	26- 90
2-Chlorophenol	100000	58000	58	5	50	25-102
N-Nitroso-di-n-prop.(1)	68000	39000	57	2	38	41-126
4-Chloro-3-Methylphenol	100000	74000	74	7	33	26-103
Acenaphthene	68000	49000	72	6	19	31-137
4-Nitrophenol	100000	77000	77	1	50	11-114
2,4-Dinitrotoluene	68000	51000	75	1	47	28- 89
Pentachlorophenol	100000	47000	47	7	47	17-109
Pyrene	68000	64000	49	83*	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKDH

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839

SAS No.:

SDG No.: E0074

Lab File ID: DH284

Lab Sample ID: S0506-B2D

Instrument ID: MS4

Date Extracted: 05/06/04

Matrix: (soil/water) SOIL

Date Analyzed: 05/18/04

Level: (low/med) LOW

Time Analyzed: 1519

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0074	040369-01	DH288	05/18/04
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COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKDI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: DH286 Lab Sample ID: S0510-B3D

Instrument ID: MS4 Date Extracted: 05/10/04

Matrix: (soil/water) SOIL Date Analyzed: 05/18/04

Level: (low/med) LOW Time Analyzed: 1627

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0075	040369-02	DH289	05/18/04
02	E0086	040369-08	DH290	05/18/04
03	E0086MS	040369-08MS	DH291	05/18/04
04	E0086MSD	040369-08MSD	DH292	05/18/04
05	E0083	040369-05	DH293	05/18/04
06	E0084	040369-06	DH294	05/18/04
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKJQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: JL199 Lab Sample ID: S0510-B3J

Instrument ID: MS10 Date Extracted: 05/10/04

Matrix: (soil/water) SOIL Date Analyzed: 05/21/04

Level: (low/med) LOW Time Analyzed: 1410

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0076	040369-03	JL246	05/25/04
02	E0085	040369-07	JL247	05/25/04
03	E0089	040369-11	JL248	05/25/04
04	E0094	040369-16	JL249	05/25/04
05	E0095	040369-17	JL250	05/25/04
06	E0096	040369-18	JL251	05/25/04
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COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKJW

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: JL243 Lab Sample ID: MS0513-B4J

Instrument ID: MS10 Date Extracted: 05/13/04

Matrix: (soil/water) SOIL Date Analyzed: 05/25/04

Level:(low/med) MED Time Analyzed: 1312

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0092	040369-14	JL252	05/25/04
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab File ID: K8400 Lab Sample ID: MS0514-B4K

Instrument ID: MS11 Date Extracted: 05/14/04

Matrix: (soil/water) SOIL Date Analyzed: 05/20/04

Level:(low/med) MED Time Analyzed: 1539

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E0082	040369-04	K8410	05/20/04
02	E0087	040369-09	K8411	05/20/04
03	E0087MS	040369-09MS	K8412	05/20/04
04	E0087MSD	040369-09MSD	K8413	05/20/04
05	E0088	040369-10	K8414	05/20/04
06	E0090	040369-12	K8415	05/20/04
07	E0091	040369-13	K8416	05/20/04
08	E0093	040369-15	K8417	05/20/04
09	E0097	040369-19	K8418	05/21/04
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COMMENTS:

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0074

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 30.2(g/mL) G Lab File ID: DH288

Level: (low/med) LOW Date Received: 05/05/04

% Moisture: 16 Decanted: (Y/N)N Date Extracted: 05/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0074

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 30.2(g/mL) G Lab File ID: DH288

Level: (low/med) LOW Date Received: 05/05/04

% Moisture: 16 Decanted: (Y/N)N Date Extracted: 05/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	370	J
129-00-0	Pyrene	310	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	270	J
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	550	
207-08-9	Benzo(k)fluoranthene	290	J
50-32-8	Benzo(a)pyrene	190	J
193-39-5	Indeno(1,2,3-cd)pyrene	86	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	110	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0074

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DH288

Level: (low/med) LOW Date Received: 05/05/04

% Moisture: 16 Decanted: (Y/N) N Date Extracted:05/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.23	150	~~JB~~ U
2.	UNKNOWN	7.43	110	J
3.	UNKNOWN	7.51	330	~~JB~~ U
4.	UNKNOWN	11.87	84	J
5.	UNKNOWN FATTY ACID	12.15	81	J
6.	UNKNOWN PAH	12.25	130	J
7.	UNKNOWN PAH	12.81	99	J
8.	UNKNOWN KETONE	15.07	140	J
9.	UNKNOWN AMIDE	15.40	160	J
10.	UNKNOWN	15.58	100	J
11.	UNKNOWN ALCOHOL/ALKENE	15.77	530	J
12.	UNKNOWN	15.99	260	J
13.	UNKNOWN	16.22	220	J
14.	UNKNOWN	16.30	610	J
15. 207-08-9	BENZO[K]FLUORANTHENE	16.64	370	NJ
16.	UNKNOWN	18.77	170	J
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6/18/05

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-02

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH289

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	460	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	76	J
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	49	J
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-02

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH289

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	51	J
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	840	
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	460	
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)phthalate	290	J
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	590	
50-32-8	Benzo(a)pyrene	300	J
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenzo(a,h)anthracene	52	J
191-24-2	Benzo(g,h,i)perylene	360	J

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DH289

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Extraction: (Type) SONC

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.09	170	J
2. 84-65-1	9,10-ANTHRACENEDIONE	12.57	130	NJ
3.	UNKNOWN	12.81	110	J
4.	UNKNOWN AROMATIC COMPOUND	14.87	200	J
5.	UNKNOWN	15.74	120	J
6.	UNKNOWN	16.02	140	J
7.	UNKNOWN	16.50	170	J
8. 207-08-9	BENZO[K]FLUORANTHENE	16.70	730	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 30.4(g/mL) G Lab File ID: JL246

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 4.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2000	U
108-95-2	Phenol	2000	U
111-44-4	bis(2-Chloroethyl)Ether	2000	U
95-57-8	2-Chlorophenol	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2000	U
98-86-2	Acetophenone	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-di-n-propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
111-91-1	bis(2-Chloroethoxy)methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
91-20-3	Naphthalene	5900	
106-47-8	4-Chloroaniline	460	J
87-68-3	Hexachlorobutadiene	2000	U
105-60-2	Caprolactam	2000	U
59-50-7	4-Chloro-3-Methylphenol	2000	U
91-57-6	2-Methylnaphthalene	860	J
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	5100	U
92-52-4	1,1'-Biphenyl	970	J
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	5100	U
131-11-3	Dimethylphthalate	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U
208-96-8	Acenaphthylene	2000	U
99-09-2	3-Nitroaniline	5100	U
83-32-9	Acenaphthene	2000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 30.4(g/mL) G Lab File ID: JL246

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 19 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 4.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5100	U
100-02-7	4-Nitrophenol	5100	U
132-64-9	Dibenzofuran	1200	J
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
86-73-7	Fluorene	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
100-01-6	4-Nitroaniline	5100	U
534-52-1	4,6-Dinitro-2-methylphenol	5100	U
86-30-6	N-nitrosodiphenylamine (1)	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
1912-24-9	Atrazine	2000	U
87-86-5	Pentachlorophenol	5100	U
85-01-8	Phenanthrene	5700	
120-12-7	Anthracene	1000	J
86-74-8	Carbazole	520	J
84-74-2	Di-n-butylphthalate	2000	U
206-44-0	Fluoranthene	13000	
129-00-0	Pyrene	9100	
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)anthracene	7900	
218-01-9	Chrysene	13000	
117-81-7	bis(2-Ethylhexyl)phthalate	2000	U
117-84-0	Di-n-octylphthalate	2000	U
205-99-2	Benzo(b)fluoranthene	5300	
207-08-9	Benzo(k)fluoranthene	6300	
50-32-8	Benzo(a)pyrene	1900	J
193-39-5	Indeno(1,2,3-cd)pyrene	7800	
53-70-3	Dibenzo(a,h)anthracene	1900	J
191-24-2	Benzo(g,h,i)perylene	8300	

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0076

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 30.4 (g/mL) G Lab File ID: JL246

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 19 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 4.0 Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-13-6	INDENE	6.54	1600	NJ
2.	UNKNOWN	12.21	730	J
3.	UNKNOWN PAH	13.46	530	J
4. 243-17-4	11H-BENZO[B]FLUORENE	13.58	1400	NJ
5.	UNKNOWN PAH	13.81	1100	J
6.	UNKNOWN	13.91	480	J
7.	UNKNOWN	14.04	450	J
8. 82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	14.16	1300	NJ
9.	UNKNOWN PAH	14.33	660	J
10.	UNKNOWN PAH	14.38	5000	J
11. 205-43-6	BENZO[B]NAPHTHO[1,2-D]THIOPH	14.50	890	NJ
12.	UNKNOWN	14.86	570	J
13.	UNKNOWN AROMATIC COMPOUND	14.93	430	J
14. 1090-13-7	5,12-NAPHTHACENEDIONE	15.26	2500	NJ
15.	UNKNOWN PAH	15.37	440	J
16.	UNKNOWN	15.97	1700	J
17.	UNKNOWN	16.07	790	J
18.	UNKNOWN	16.20	930	J
19.	UNKNOWN	16.48	450	J
20.	UNKNOWN	16.71	580	J
21.	UNKNOWN	16.84	620	J
22. 207-08-9	BENZO[K]FLUORANTHENE	16.91	4200	NJ
23.	UNKNOWN AROMATIC COMPOUND	17.83	1100	J
24. 193-39-5	INDENO[1,2,3-CD]PYRENE	19.06	490	NJ
25.	UNKNOWN	19.39	450	J
26. 53-70-3	DIBENZ[A,H]ANTHRACENE	19.49	720	NJ
27. 193-39-5	INDENO[1,2,3-CD]PYRENE	19.63	1900	NJ
28.	UNKNOWN PAH	20.20	840	J
29. 53-70-3	DIBENZ[A,H]ANTHRACENE	20.33	440	NJ
30. 193-39-5	INDENO[1,2,3-CD]PYRENE	21.19	890	NJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8410

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	11000	U
108-95-2	Phenol	11000	U
111-44-4	bis(2-Chloroethyl)Ether	11000	U
95-57-8	2-Chlorophenol	11000	U
95-48-7	2-Methylphenol	11000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11000	U
98-86-2	Acetophenone	11000	U
106-44-5	4-Methylphenol	11000	U
621-64-7	N-Nitroso-di-n-propylamine	11000	U
67-72-1	Hexachloroethane	11000	U
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	U
105-67-9	2,4-Dimethylphenol	11000	U
111-91-1	bis(2-Chloroethoxy)methane	11000	U
120-83-2	2,4-Dichlorophenol	11000	U
91-20-3	Naphthalene	11000	U
106-47-8	4-Chloroaniline	11000	U
87-68-3	Hexachlorobutadiene	11000	U
105-60-2	Caprolactam	11000	U
59-50-7	4-Chloro-3-Methylphenol	11000	U
91-57-6	2-Methylnaphthalene	11000	U
77-47-4	Hexachlorocyclopentadiene	11000	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	28000	U
92-52-4	1,1'-Biphenyl	11000	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	28000	U
131-11-3	Dimethylphthalate	11000	U
606-20-2	2,6-Dinitrotoluene	11000	U
208-96-8	Acenaphthylene	11000	U
99-09-2	3-Nitroaniline	28000	U
83-32-9	Acenaphthene	11000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8410

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	28000	U
100-02-7	4-Nitrophenol	28000	U
132-64-9	Dibenzofuran	11000	U
121-14-2	2,4-Dinitrotoluene	11000	U
84-66-2	Diethylphthalate	11000	U
86-73-7	Fluorene	11000	U
7005-72-3	4-Chlorophenyl-phenylether	11000	U
100-01-6	4-Nitroaniline	28000	U
534-52-1	4,6-Dinitro-2-methylphenol	28000	U
86-30-6	N-nitrosodiphenylamine (1)	11000	U
101-55-3	4-Bromophenyl-phenylether	11000	U
118-74-1	Hexachlorobenzene	11000	U
1912-24-9	Atrazine	11000	U
87-86-5	Pentachlorophenol	28000	U
85-01-8	Phenanthrene	11000	U
120-12-7	Anthracene	11000	U
86-74-8	Carbazole	11000	U
84-74-2	Di-n-butylphthalate	11000	U
206-44-0	Fluoranthene	1400	J
129-00-0	Pyrene	1700	J
85-68-7	Butylbenzylphthalate	11000	U
91-94-1	3,3'-Dichlorobenzidine	11000	U
56-55-3	Benzo(a)anthracene	11000	U
218-01-9	Chrysene	1700	J
117-81-7	bis(2-Ethylhexyl)phthalate	11000	U
117-84-0	Di-n-octylphthalate	11000	U
205-99-2	Benzo(b)fluoranthene	1800	J
207-08-9	Benzo(k)fluoranthene	1300	J
50-32-8	Benzo(a)pyrene	1200	J
193-39-5	Indeno(1,2,3-cd)pyrene	11000	U
53-70-3	Dibenzo(a,h)anthracene	11000	U
191-24-2	Benzo(g,h,i)perylene	11000	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04

Sample wt/vol: 1.0 (g/mL) G Lab File ID: K8410

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 11 Decanted: (Y/N) N Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4 Extraction: (Type) SONC

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.94	4800	~~JB~~ U
2.	UNKNOWN	11.35	2700	J
3.	UNKNOWN	11.38	3400	J
4.	UNKNOWN AMIDE	11.82	8500	J
5.	UNKNOWN	12.81	2900	J
6.	UNKNOWN	13.98	4100	J
7. 5858-18-4	BENZENETHIOL, 2,5-DICHLORO-	16.40	3500	NJ
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JW 6/18/04

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05

Sample wt/vol: 30.2(g/mL) G Lab File ID: DH293

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 23 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5400	U
100-02-7	4-Nitrophenol	5400	U
132-64-9	Dibenzofuran	490	J
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
86-73-7	Fluorene	2100	U
7005-72-3	4-Chlorophenyl-phenylether	2100	U
100-01-6	4-Nitroaniline	5400	U
534-52-1	4,6-Dinitro-2-methylphenol	5400	U
86-30-6	N-nitrosodiphenylamine (1)	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
1912-24-9	Atrazine	2100	U
87-86-5	Pentachlorophenol	5400	U
85-01-8	Phenanthrene	2600	
120-12-7	Anthracene	2100	U
86-74-8	Carbazole	2100	U
84-74-2	Di-n-butylphthalate	2100	U
206-44-0	Fluoranthene	660	J
129-00-0	Pyrene	410	J
85-68-7	Butylbenzylphthalate	2100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)phthalate	2100	U
117-84-0	Di-n-octylphthalate	2100	U
205-99-2	Benzo(b)fluoranthene	2100	U
207-08-9	Benzo(k)fluoranthene	2100	U
50-32-8	Benzo(a)pyrene	2100	U
193-39-5	Indeno(1,2,3-cd)pyrene	2100	U
53-70-3	Dibenzo(a,h)anthracene	2100	U
191-24-2	Benzo(g,h,i)perylene	2100	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05

Sample wt/vol: 30.2(g/mL) G Lab File ID: DH293

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 23 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2100	U
108-95-2	Phenol	2100	U
111-44-4	bis(2-Chloroethyl)Ether	2100	U
95-57-8	2-Chlorophenol	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	U
98-86-2	Acetophenone	2100	U
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-di-n-propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	bis(2-Chloroethoxy)methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
91-20-3	Naphthalene	500	J
106-47-8	4-Chloroaniline	2100	U
87-68-3	Hexachlorobutadiene	2100	U
105-60-2	Caprolactam	2100	U
59-50-7	4-Chloro-3-Methylphenol	2100	U
91-57-6	2-Methylnaphthalene	600	J
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	5400	U
92-52-4	1,1'-Biphenyl	2100	U
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	5400	U
131-11-3	Dimethylphthalate	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
208-96-8	Acenaphthylene	2100	U
99-09-2	3-Nitroaniline	5400	U
83-32-9	Acenaphthene	2100	U

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DH293

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 23 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.0 Extraction: (Type) SONC

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 91-57-6	NAPHTHALENE, 2-METHYL-	8.69	790	NJ
2. 571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	9.63	1600	NJ
3.	UNKNOWN PAH	10.11	1500	J
4.	UNKNOWN PAH	10.24	750	J
5. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	10.46	700	NJ
6. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.82	1600	NJ
7.	UNKNOWN AROMATIC COMPOUND	11.41	860	J
8.	UNKNOWN AMIDE	11.81	480	J
9.	UNKNOWN	11.90	930	J
10.	UNKNOWN AROMATIC COMPOUND	12.26	1100	J
11.	UNKNOWN SILOXANE	12.84	790	J
12.	UNKNOWN	15.83	550	J
13.	UNKNOWN PAH	16.48	1200	J
14.	UNKNOWN	16.77	580	J
15.	UNKNOWN	17.28	1100	J
16.	UNKNOWN	17.69	590	J
17.	UNKNOWN	18.07	720	J
18.	UNKNOWN AROMATIC COMPOUND	18.85	2600	J
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22.				
23.				
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27.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06

Sample wt/vol: 30.2(g/mL) G Lab File ID: DH294

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2200	U
108-95-2	Phenol	2200	U
111-44-4	bis(2-Chloroethyl)Ether	2200	U
95-57-8	2-Chlorophenol	2200	U
95-48-7	2-Methylphenol	2200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2200	U
98-86-2	Acetophenone	2200	U
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-di-n-propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	U
88-75-5	2-Nitrophenol	2200	U
105-67-9	2,4-Dimethylphenol	2200	U
111-91-1	bis(2-Chloroethoxy)methane	2200	U
120-83-2	2,4-Dichlorophenol	2200	U
91-20-3	Naphthalene	490	J
106-47-8	4-Chloroaniline	2200	U
87-68-3	Hexachlorobutadiene	2200	U
105-60-2	Caprolactam	580	J
59-50-7	4-Chloro-3-Methylphenol	2200	U
91-57-6	2-Methylnaphthalene	660	J
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	5400	U
92-52-4	1,1'-Biphenyl	2200	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	5400	U
131-11-3	Dimethylphthalate	2200	U
606-20-2	2,6-Dinitrotoluene	2200	U
208-96-8	Acenaphthylene	2200	U
99-09-2	3-Nitroaniline	5400	U
83-32-9	Acenaphthene	2200	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06

Sample wt/vol: 30.2(g/mL) G Lab File ID: DH294

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 24 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5400	U
100-02-7	4-Nitrophenol	5400	U
132-64-9	Dibenzofuran	590	J
121-14-2	2,4-Dinitrotoluene	2200	U
84-66-2	Diethylphthalate	2200	U
86-73-7	Fluorene	2200	U
7005-72-3	4-Chlorophenyl-phenylether	2200	U
100-01-6	4-Nitroaniline	5400	U
534-52-1	4,6-Dinitro-2-methylphenol	5400	U
86-30-6	N-nitrosodiphenylamine (1)	2200	U
101-55-3	4-Bromophenyl-phenylether	2200	U
118-74-1	Hexachlorobenzene	2200	U
1912-24-9	Atrazine	2200	U
87-86-5	Pentachlorophenol	5400	U
85-01-8	Phenanthrene	3400	
120-12-7	Anthracene	2200	U
86-74-8	Carbazole	2200	U
84-74-2	Di-n-butylphthalate	2200	U
206-44-0	Fluoranthene	840	J
129-00-0	Pyrene	510	J
85-68-7	Butylbenzylphthalate	2200	U
91-94-1	3,3'-Dichlorobenzidine	2200	U
56-55-3	Benzo(a)anthracene	250	J
218-01-9	Chrysene	330	J
117-81-7	bis(2-Ethylhexyl)phthalate	2200	U
117-84-0	Di-n-octylphthalate	2200	U
205-99-2	Benzo(b)fluoranthene	2200	U
207-08-9	Benzo(k)fluoranthene	2200	U
50-32-8	Benzo(a)pyrene	2200	U
193-39-5	Indeno(1,2,3-cd)pyrene	2200	U
53-70-3	Dibenzo(a,h)anthracene	2200	U
191-24-2	Benzo(g,h,i)perylene	2200	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0084

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06

Sample wt/vol: 30.2 (g/mL) G Lab File ID: DH294

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 24 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 5.4 Extraction: (Type) SONC

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 573-98-8	NAPHTHALENE, 1,2-DIMETHYL-	9.63	1800	NJ
2.	UNKNOWN PAH	10.23	670	J
3. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	10.34	1000	NJ
4. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	10.46	840	NJ
5. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.83	2200	NJ
6.	UNKNOWN AROMATIC COMPOUND	11.42	1200	J
7.	UNKNOWN ALCOHOL/ALKENE	11.82	700	J
8.	UNKNOWN	11.90	1600	J
9. 883-20-5	PHENANTHRENE, 9-METHYL-	12.27	1300	NJ
10. 84-65-1	9,10-ANTHRACENEDIONE	12.58	620	NJ
11.	UNKNOWN	12.85	1200	J
12.	UNKNOWN	15.64	460	J
13.	UNKNOWN	16.31	870	J
14.	UNKNOWN	16.82	880	J
15.	UNKNOWN PAH	17.14	680	J
16.	UNKNOWN	17.31	1600	J
17.	UNKNOWN	18.10	830	J
18.	UNKNOWN	18.87	4100	J
19.				
20.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0085

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 30.5(g/mL) G Lab File ID: JL247

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	160	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	170	J
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	130	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0085

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 30.5(g/mL) G Lab File ID: JL247

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 14 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	170	J
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	230	J
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	510	
86-74-8	Carbazole	130	J
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	860	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	1000	
207-08-9	Benzo(k)fluoranthene	940	
50-32-8	Benzo(a)pyrene	870	
193-39-5	Indeno(1,2,3-cd)pyrene	710	
53-70-3	Dibenzo(a,h)anthracene	330	J
191-24-2	Benzo(g,h,i)perylene	710	

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0085

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 30.5 (g/mL) G Lab File ID: JL247

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 14 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 569-41-5	NAPHTHALENE, 1,8-DIMETHYL-	9.58	680	NJ
2. 571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	9.73	270	NJ
3. 2131-41-1	NAPHTHALENE, 1,4,5-TRIMETHYL	10.56	250	NJ
4. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.92	280	NJ
5.	UNKNOWN PAH	12.43	310	J
6.	UNKNOWN PAH	12.56	89	J
7. 84-65-1	9,10-ANTHRACENEDIONE	12.61	77	NJ
8. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	12.84	110	NJ
9.	UNKNOWN PAH	13.44	240	J
10. 238-84-6	11H-BENZO[A]FLUORENE	13.55	440	NJ
11.	UNKNOWN PAH	13.62	280	J
12. 2381-21-7	PYRENE, 1-METHYL-	13.78	780	NJ
13. 82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	14.13	510	NJ
14.	UNKNOWN	14.25	980	J
15.	UNKNOWN	14.82	170	J
16. 1090-13-7	5,12-NAPHTHACENEDIONE	15.67	600	NJ
17. 602-55-1	ANTHRACENE, 9-PHENYL-	16.03	650	NJ
18. 207-08-9	BENZO[K]FLUORANTHENE	16.53	770	NJ
19. 207-08-9	BENZO[K]FLUORANTHENE	16.89	1600	NJ
20. 205-82-3	BENZO[J]FLUORANTHENE	17.17	260	NJ
21.	UNKNOWN	18.21	990	J
22.	UNKNOWN	18.78	240	J
23.	UNKNOWN	19.13	830	J
24.	UNKNOWN PAH	19.46	270	J
25.	UNKNOWN PAH	19.61	520	J
26.	UNKNOWN PAH	20.15	1600	J
27.	UNKNOWN	20.95	550	J
28.	UNKNOWN	22.70	460	J
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH290

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	530	
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	220	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	80	J
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	53	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	100	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH290

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	300	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	40	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	960	
120-12-7	Anthracene	97	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	820	
129-00-0	Pyrene	800	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	430	
218-01-9	Chrysene	540	
117-81-7	bis(2-Ethylhexyl)phthalate	75	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	830	
207-08-9	Benzo(k)fluoranthene	400	
50-32-8	Benzo(a)pyrene	540	
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	150	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0086

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DH290

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 90-12-0	NAPHTHALENE, 1-METHYL-	8.68	120	NJ
2. 571-58-4	NAPHTHALENE, 1,4-DIMETHYL-	9.63	210	NJ
3. 54789-45-6	3-BUTEN-2-ONE, 1-(2,3,6-TRIM	10.10	130	NJ
4. 7320-53-8	DIBENZOFURAN, 4-METHYL-	10.82	150	NJ
5. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	11.42	85	NJ
6.	UNKNOWN	11.89	96	J
7. 613-12-7	ANTHRACENE, 2-METHYL-	12.27	130	NJ
8.	UNKNOWN PAH	12.84	170	J
9. 25732-74-5	3,4-DIHYDROCYCLOPENTA(CD)PYR	14.24	88	NJ
10.	UNKNOWN ALCOHOL/ALKENE	15.56	150	J
11.	UNKNOWN	15.82	220	J
12.	UNKNOWN	16.05	260	J
13.	UNKNOWN	16.26	150	J
14. 192-97-2	BENZO[E]PYRENE	16.35	130	NJ
15. 207-08-9	BENZO[K]FLUORANTHENE	16.69	470	NJ
16. 5875-45-6	PHENOL, 2,5-BIS(1,1-DIMETHYL	18.07	140	NJ
17. 1014-70-6	1,3,5-TRIAZINE-2,4-DIAMINE,	18.47	160	NJ
18. 5875-45-6	PHENOL, 2,5-BIS(1,1-DIMETHYL	18.83	200	NJ
19. 958-71-4	11H-DIBENZO[C,F][1,2]DIAZEPI	19.86	90	NJ
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MS

Sample wt/vol: 30.3(g/mL) G Lab File ID: DH291

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	1700	
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	1500	
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	950	
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	230	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	1900	
91-57-6	2-Methylnaphthalene	72	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
92-52-4	1,1'-Biphenyl	59	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	1400	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MS

Sample wt/vol: 30.3(g/mL) G Lab File ID: DH291

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	390	
121-14-2	2,4-Dinitrotoluene	1400	
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	720	J
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	530	
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	370	J
117-81-7	bis(2-Ethylhexyl)phthalate	66	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	510	
207-08-9	Benzo(k)fluoranthene	320	J
50-32-8	Benzo(a)pyrene	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	71	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	73	J

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MSD

Sample wt/vol: 30.5(g/mL) G Lab File ID: DH292

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	1800	
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	1100	
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	270	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	1800	
91-57-6	2-Methylnaphthalene	94	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
92-52-4	1,1'-Biphenyl	40	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	1300	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MSD

Sample wt/vol: 30.5(g/mL) G Lab File ID: DH292

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	1800	
132-64-9	Dibenzofuran	130	J
121-14-2	2,4-Dinitrotoluene	1300	
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	770	J
85-01-8	Phenanthrene	570	
120-12-7	Anthracene	63	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	400	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	250	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	53	J
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	460	
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	270	J
193-39-5	Indeno(1,2,3-cd)pyrene	59	J
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	61	J

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8411

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	14000	U
108-95-2	Phenol	14000	U
111-44-4	bis(2-Chloroethyl)Ether	14000	U
95-57-8	2-Chlorophenol	14000	U
95-48-7	2-Methylphenol	14000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	14000	U
98-86-2	Acetophenone	14000	U
106-44-5	4-Methylphenol	14000	U
621-64-7	N-Nitroso-di-n-propylamine	14000	U
67-72-1	Hexachloroethane	14000	U
98-95-3	Nitrobenzene	14000	U
78-59-1	Isophorone	14000	U
88-75-5	2-Nitrophenol	14000	U
105-67-9	2,4-Dimethylphenol	14000	U
111-91-1	bis(2-Chloroethoxy)methane	14000	U
120-83-2	2,4-Dichlorophenol	14000	U
91-20-3	Naphthalene	3100	J
106-47-8	4-Chloroaniline	14000	U
87-68-3	Hexachlorobutadiene	14000	U
105-60-2	Caprolactam	14000	U
59-50-7	4-Chloro-3-Methylphenol	14000	U
91-57-6	2-Methylnaphthalene	2000	J
77-47-4	Hexachlorocyclopentadiene	14000	U
88-06-2	2,4,6-Trichlorophenol	14000	U
95-95-4	2,4,5-Trichlorophenol	34000	U
92-52-4	1,1'-Biphenyl	14000	U
91-58-7	2-Chloronaphthalene	14000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	14000	U
606-20-2	2,6-Dinitrotoluene	14000	U
208-96-8	Acenaphthylene	4300	J
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	14000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8411

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	34000	U
132-64-9	Dibenzofuran	4600	J
121-14-2	2,4-Dinitrotoluene	14000	U
84-66-2	Diethylphthalate	14000	U
86-73-7	Fluorene	5900	J
7005-72-3	4-Chlorophenyl-phenylether	14000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-nitrosodiphenylamine (1)	14000	U
101-55-3	4-Bromophenyl-phenylether	14000	U
118-74-1	Hexachlorobenzene	14000	U
1912-24-9	Atrazine	14000	U
87-86-5	Pentachlorophenol	34000	U
85-01-8	Phenanthrene	36000	
120-12-7	Anthracene	10000	J
86-74-8	Carbazole	2500	J
84-74-2	Di-n-butylphthalate	14000	U
206-44-0	Fluoranthene	30000	
129-00-0	Pyrene	31000	
85-68-7	Butylbenzylphthalate	14000	U
91-94-1	3,3'-Dichlorobenzidine	14000	U
56-55-3	Benzo(a)anthracene	13000	J
218-01-9	Chrysene	14000	
117-81-7	bis(2-Ethylhexyl)phthalate	14000	U
117-84-0	Di-n-octylphthalate	14000	U
205-99-2	Benzo(b)fluoranthene	9000	J
207-08-9	Benzo(k)fluoranthene	10000	J
50-32-8	Benzo(a)pyrene	11000	J
193-39-5	Indeno(1,2,3-cd)pyrene	7200	J
53-70-3	Dibenzo(a,h)anthracene	2300	J
191-24-2	Benzo(g,h,i)perylene	7700	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0087

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09

Sample wt/vol: 1.0 (g/mL) G Lab File ID: K8411

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N) N Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICs found: 20

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN PAH	7.88	5900	J
2.	UNKNOWN	8.53	4900	J
3.	UNKNOWN	8.63	4600	J
4.	UNKNOWN AROMATIC COMPOUND	8.75	17000	J
5.	UNKNOWN	8.87	7800	J
6.	UNKNOWN FATTY ACID	9.35	16000	J
7.	UNKNOWN PAH	9.41	8100	J
8.	UNKNOWN	9.49	23000	J
9.	UNKNOWN	9.93	9900	J
10.	UNKNOWN PAH	10.44	50000	J
11.	UNKNOWN PAH	10.49	42000	J
12.	UNKNOWN	10.87	30000	J
13.	UNKNOWN	11.01	21000	J
14.	UNKNOWN	11.03	21000	~~J~~ B U
15.	UNKNOWN	12.36	3700	J
16.	UNKNOWN	12.83	3900	J
17.	UNKNOWN	15.86	3500	J
18.	UNKNOWN	15.93	6200	J
19.	UNKNOWN	16.00	3600	J
20.	UNKNOWN	16.74	5100	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

gw 6/18/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09MS

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8412

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	11000	U
108-95-2	Phenol	52000	
111-44-4	bis(2-Chloroethyl)Ether	11000	U
95-57-8	2-Chlorophenol	47000	
95-48-7	2-Methylphenol	11000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11000	U
98-86-2	Acetophenone	11000	U
106-44-5	4-Methylphenol	11000	U
621-64-7	N-Nitroso-di-n-propylamine	33000	
67-72-1	Hexachloroethane	11000	U
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	U
105-67-9	2,4-Dimethylphenol	11000	U
111-91-1	bis(2-Chloroethoxy)methane	11000	U
120-83-2	2,4-Dichlorophenol	11000	U
91-20-3	Naphthalene	2300	J
106-47-8	4-Chloroaniline	11000	U
87-68-3	Hexachlorobutadiene	11000	U
105-60-2	Caprolactam	11000	U
59-50-7	4-Chloro-3-Methylphenol	59000	
91-57-6	2-Methylnaphthalene	1800	J
77-47-4	Hexachlorocyclopentadiene	11000	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	29000	U
92-52-4	1,1'-Biphenyl	11000	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	29000	U
131-11-3	Dimethylphthalate	11000	U
606-20-2	2,6-Dinitrotoluene	11000	U
208-96-8	Acenaphthylene	11000	U
99-09-2	3-Nitroaniline	29000	U
83-32-9	Acenaphthene	39000	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09MS

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8412

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	29000	U
100-02-7	4-Nitrophenol	65000	
132-64-9	Dibenzofuran	3900	J
121-14-2	2,4-Dinitrotoluene	42000	
84-66-2	Diethylphthalate	11000	U
86-73-7	Fluorene	5200	J
7005-72-3	4-Chlorophenyl-phenylether	11000	U
100-01-6	4-Nitroaniline	29000	U
534-52-1	4,6-Dinitro-2-methylphenol	29000	U
86-30-6	N-nitrosodiphenylamine (1)	11000	U
101-55-3	4-Bromophenyl-phenylether	11000	U
118-74-1	Hexachlorobenzene	11000	U
1912-24-9	Atrazine	11000	U
87-86-5	Pentachlorophenol	38000	
85-01-8	Phenanthrene	39000	
120-12-7	Anthracene	11000	
86-74-8	Carbazole	2300	J
84-74-2	Di-n-butylphthalate	11000	U
206-44-0	Fluoranthene	43000	
129-00-0	Pyrene	99000	E
85-68-7	Butylbenzylphthalate	11000	U
91-94-1	3,3'-Dichlorobenzidine	11000	U
56-55-3	Benzo(a)anthracene	23000	
218-01-9	Chrysene	22000	
117-81-7	bis(2-Ethylhexyl)phthalate	6600	J
117-84-0	Di-n-octylphthalate	11000	U
205-99-2	Benzo(b)fluoranthene	17000	
207-08-9	Benzo(k)fluoranthene	19000	
50-32-8	Benzo(a)pyrene	22000	
193-39-5	Indeno(1,2,3-cd)pyrene	15000	
53-70-3	Dibenzo(a,h)anthracene	4700	J
191-24-2	Benzo(g,h,i)perylene	16000	

(1) - Cannot be separated from Diphenylamine

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0087MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09MSD

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8413

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	14000	U
108-95-2	Phenol	62000	
111-44-4	bis(2-Chloroethyl)Ether	14000	U
95-57-8	2-Chlorophenol	58000	
95-48-7	2-Methylphenol	14000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	14000	U
98-86-2	Acetophenone	14000	U
106-44-5	4-Methylphenol	14000	U
621-64-7	N-Nitroso-di-n-propylamine	39000	
67-72-1	Hexachloroethane	14000	U
98-95-3	Nitrobenzene	14000	U
78-59-1	Isophorone	14000	U
88-75-5	2-Nitrophenol	14000	U
105-67-9	2,4-Dimethylphenol	14000	U
111-91-1	bis(2-Chloroethoxy)methane	14000	U
120-83-2	2,4-Dichlorophenol	14000	U
91-20-3	Naphthalene	14000	U
106-47-8	4-Chloroaniline	14000	U
87-68-3	Hexachlorobutadiene	14000	U
105-60-2	Caprolactam	14000	U
59-50-7	4-Chloro-3-Methylphenol	74000	
91-57-6	2-Methylnaphthalene	1700	J
77-47-4	Hexachlorocyclopentadiene	14000	U
88-06-2	2,4,6-Trichlorophenol	14000	U
95-95-4	2,4,5-Trichlorophenol	34000	U
92-52-4	1,1'-Biphenyl	14000	U
91-58-7	2-Chloronaphthalene	14000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	14000	U
606-20-2	2,6-Dinitrotoluene	14000	U
208-96-8	Acenaphthylene	14000	U
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	49000	

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0087MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09MSD

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8413

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 27 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	77000	
132-64-9	Dibenzofuran	14000	U
121-14-2	2,4-Dinitrotoluene	51000	
84-66-2	Diethylphthalate	14000	U
86-73-7	Fluorene	14000	U
7005-72-3	4-Chlorophenyl-phenylether	14000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-nitrosodiphenylamine (1)	14000	U
101-55-3	4-Bromophenyl-phenylether	14000	U
118-74-1	Hexachlorobenzene	14000	U
1912-24-9	Atrazine	14000	U
87-86-5	Pentachlorophenol	47000	
85-01-8	Phenanthrene	7200	J
120-12-7	Anthracene	1900	J
86-74-8	Carbazole	14000	U
84-74-2	Di-n-butylphthalate	14000	U
206-44-0	Fluoranthene	49000	
129-00-0	Pyrene	64000	
85-68-7	Butylbenzylphthalate	14000	U
91-94-1	3,3'-Dichlorobenzidine	14000	U
56-55-3	Benzo(a)anthracene	2600	J
218-01-9	Chrysene	3600	J
117-81-7	bis(2-Ethylhexyl)phthalate	14000	U
117-84-0	Di-n-octylphthalate	14000	U
205-99-2	Benzo(b)fluoranthene	14000	U
207-08-9	Benzo(k)fluoranthene	14000	U
50-32-8	Benzo(a)pyrene	14000	U
193-39-5	Indeno(1,2,3-cd)pyrene	14000	U
53-70-3	Dibenzo(a,h)anthracene	14000	U
191-24-2	Benzo(g,h,i)perylene	14000	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0088

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8414

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 22 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	110000	U
108-95-2	Phenol	110000	U
111-44-4	bis(2-Chloroethyl)Ether	110000	U
95-57-8	2-Chlorophenol	110000	U
95-48-7	2-Methylphenol	110000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	110000	U
98-86-2	Acetophenone	110000	U
106-44-5	4-Methylphenol	110000	U
621-64-7	N-Nitroso-di-n-propylamine	110000	U
67-72-1	Hexachloroethane	110000	U
98-95-3	Nitrobenzene	110000	U
78-59-1	Isophorone	110000	U
88-75-5	2-Nitrophenol	110000	U
105-67-9	2,4-Dimethylphenol	110000	U
111-91-1	bis(2-Chloroethoxy)methane	110000	U
120-83-2	2,4-Dichlorophenol	110000	U
91-20-3	Naphthalene	110000	U
106-47-8	4-Chloroaniline	110000	U
87-68-3	Hexachlorobutadiene	110000	U
105-60-2	Caprolactam	110000	U
59-50-7	4-Chloro-3-Methylphenol	110000	U
91-57-6	2-Methylnaphthalene	170000	
77-47-4	Hexachlorocyclopentadiene	110000	U
88-06-2	2,4,6-Trichlorophenol	110000	U
95-95-4	2,4,5-Trichlorophenol	270000	U
92-52-4	1,1'-Biphenyl	110000	U
91-58-7	2-Chloronaphthalene	110000	U
88-74-4	2-Nitroaniline	270000	U
131-11-3	Dimethylphthalate	110000	U
606-20-2	2,6-Dinitrotoluene	110000	U
208-96-8	Acenaphthylene	110000	U
99-09-2	3-Nitroaniline	270000	U
83-32-9	Acenaphthene	19000	J

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0088

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8414

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 22 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	270000	U
100-02-7	4-Nitrophenol	270000	U
132-64-9	Dibenzofuran	12000	J
121-14-2	2,4-Dinitrotoluene	110000	U
84-66-2	Diethylphthalate	110000	U
86-73-7	Fluorene	25000	J
7005-72-3	4-Chlorophenyl-phenylether	110000	U
100-01-6	4-Nitroaniline	270000	U
534-52-1	4,6-Dinitro-2-methylphenol	270000	U
86-30-6	N-nitrosodiphenylamine (1)	110000	U
101-55-3	4-Bromophenyl-phenylether	110000	U
118-74-1	Hexachlorobenzene	110000	U
1912-24-9	Atrazine	110000	U
87-86-5	Pentachlorophenol	270000	U
85-01-8	Phenanthrene	75000	J
120-12-7	Anthracene	14000	J
86-74-8	Carbazole	110000	U
84-74-2	Di-n-butylphthalate	110000	U
206-44-0	Fluoranthene	110000	U
129-00-0	Pyrene	110000	U
85-68-7	Butylbenzylphthalate	110000	U
91-94-1	3,3'-Dichlorobenzidine	110000	U
56-55-3	Benzo(a)anthracene	110000	U
218-01-9	Chrysene	110000	U
117-81-7	bis(2-Ethylhexyl)phthalate	110000	U
117-84-0	Di-n-octylphthalate	110000	U
205-99-2	Benzo(b)fluoranthene	110000	U
207-08-9	Benzo(k)fluoranthene	110000	U
50-32-8	Benzo(a)pyrene	110000	U
193-39-5	Indeno(1,2,3-cd)pyrene	110000	U
53-70-3	Dibenzo(a,h)anthracene	110000	U
191-24-2	Benzo(g,h,i)perylene	110000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0088

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 1.2 (g/mL) G Lab File ID: K8414

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 22 Decanted: (Y/N) N Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9 Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC COMPOUND	6.25	38000	J
2.	UNKNOWN AROMATIC COMPOUND	6.29	47000	J
3. 90-12-0	NAPHTHALENE, 1-METHYL-	6.47	200000	NJ
4.	UNKNOWN	6.51	69000	J
5. 4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	6.95	43000	NJ
6. 939-27-5	NAPHTHALENE, 2-ETHYL-	6.98	55000	NJ
7. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	7.06	240000	NJ
8. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	7.16	190000	NJ
9. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	7.29	77000	NJ
10. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	7.40	75000	NJ
11.	UNKNOWN ALCOHOL/ALKENE	7.43	51000	J
12.	UNKNOWN PAH	7.71	71000	J
13. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.79	130000	NJ
14. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	7.88	53000	NJ
15. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	7.90	63000	NJ
16. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	7.97	61000	NJ
17.	UNKNOWN PAH	8.07	41000	J
18.	UNKNOWN	8.26	54000	J
19.	UNKNOWN	8.32	54000	J
20.	UNKNOWN	8.38	49000	J
21. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	8.46	74000	NJ
22. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	8.53	57000	NJ
23.	UNKNOWN	8.65	160000	J
24.	UNKNOWN	8.71	29000	J
25.	UNKNOWN AROMATIC COMPOUND	8.87	72000	J
26.	UNKNOWN	9.17	76000	J
27.	UNKNOWN	9.24	74000	J
28.	UNKNOWN PAH	9.38	63000	J
29.	UNKNOWN PAH	9.40	86000	J
30. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.84	67000	NJ

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0089

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 30.2(g/mL) G Lab File ID: JL248

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 6 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	54	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	880	U
92-52-4	1,1'-Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
99-09-2	3-Nitroaniline	880	U
83-32-9	Acenaphthene	350	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0089

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 30.2(g/mL) G Lab File ID: JL248

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 6 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
86-73-7	Fluorene	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	880	U
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	85	J
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	45	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	40	J
218-01-9	Chrysene	68	J
117-81-7	bis(2-Ethylhexyl)phthalate	54	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	37	J
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	84	J
53-70-3	Dibenzo(a,h)anthracene	49	J
191-24-2	Benzo(g,h,i)perylene	180	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0089

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 30.2 (g/mL) G Lab File ID: JL248

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 6 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.57	92	J
2. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	9.58	240	NJ
3. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	10.56	86	NJ
4.	UNKNOWN	12.77	100	J
5.	UNKNOWN ALCOHOL/ALKENE	13.01	400	J
6.	UNKNOWN	21.99	590	J
7.	UNKNOWN	23.76	840	J
8.				
9.				
10.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8415

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
98-86-2	Acetophenone	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	U
87-68-3	Hexachlorobutadiene	10000	U
105-60-2	Caprolactam	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1'-Biphenyl	10000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
208-96-8	Acenaphthylene	10000	U
99-09-2	3-Nitroaniline	25000	U
83-32-9	Acenaphthene	10000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12

Sample wt/vol: 1.2(g/mL) G Lab File ID: K8415

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	U
100-02-7	4-Nitrophenol	25000	U
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
86-73-7	Fluorene	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	1800	J
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-butylphthalate	10000	U
206-44-0	Fluoranthene	1700	J
129-00-0	Pyrene	2300	J
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)anthracene	1200	J
218-01-9	Chrysene	1700	J
117-81-7	bis(2-Ethylhexyl)phthalate	4800	J
117-84-0	Di-n-octylphthalate	10000	U
205-99-2	Benzo(b)fluoranthene	10000	U
207-08-9	Benzo(k)fluoranthene	1200	J
50-32-8	Benzo(a)pyrene	1000	J
193-39-5	Indeno(1,2,3-cd)pyrene	10000	U
53-70-3	Dibenzo(a,h)anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12

Sample wt/vol: 1.2 (g/mL) G Lab File ID: K8415

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 17 Decanted: (Y/N) N Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Extraction: (Type) SONC

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.92	2500	~~JB~~
2.	UNKNOWN	11.50	3200	J
3.	UNKNOWN	11.68	2900	J
4.	UNKNOWN	11.74	4200	J
5.	UNKNOWN	11.90	2700	J
6.	UNKNOWN	11.94	3100	J
7.	UNKNOWN	12.50	3300	J
8.	UNKNOWN	12.88	6400	J
9.	UNKNOWN	14.47	3800	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

6/18/04

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 1.1(g/mL) G Lab File ID: K8416

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 31 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	13000	U
108-95-2	Phenol	13000	U
111-44-4	bis(2-Chloroethyl)Ether	13000	U
95-57-8	2-Chlorophenol	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	13000	U
98-86-2	Acetophenone	13000	U
106-44-5	4-Methylphenol	13000	U
621-64-7	N-Nitroso-di-n-propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	U
78-59-1	Isophorone	13000	U
88-75-5	2-Nitrophenol	13000	U
105-67-9	2,4-Dimethylphenol	13000	U
111-91-1	bis(2-Chloroethoxy)methane	13000	U
120-83-2	2,4-Dichlorophenol	13000	U
91-20-3	Naphthalene	13000	U
106-47-8	4-Chloroaniline	13000	U
87-68-3	Hexachlorobutadiene	13000	U
105-60-2	Caprolactam	13000	U
59-50-7	4-Chloro-3-Methylphenol	13000	U
91-57-6	2-Methylnaphthalene	14000	
77-47-4	Hexachlorocyclopentadiene	13000	U
88-06-2	2,4,6-Trichlorophenol	13000	U
95-95-4	2,4,5-Trichlorophenol	33000	U
92-52-4	1,1'-Biphenyl	13000	U
91-58-7	2-Chloronaphthalene	13000	U
88-74-4	2-Nitroaniline	33000	U
131-11-3	Dimethylphthalate	13000	U
606-20-2	2,6-Dinitrotoluene	13000	U
208-96-8	Acenaphthylene	13000	U
99-09-2	3-Nitroaniline	33000	U
83-32-9	Acenaphthene	1800	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 1.1(g/mL) G Lab File ID: K8416

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 31 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	33000	U
100-02-7	4-Nitrophenol	33000	U
132-64-9	Dibenzofuran	13000	U
121-14-2	2,4-Dinitrotoluene	13000	U
84-66-2	Diethylphthalate	13000	U
86-73-7	Fluorene	4200	J
7005-72-3	4-Chlorophenyl-phenylether	13000	U
100-01-6	4-Nitroaniline	33000	U
534-52-1	4,6-Dinitro-2-methylphenol	33000	U
86-30-6	N-nitrosodiphenylamine (1)	13000	U
101-55-3	4-Bromophenyl-phenylether	13000	U
118-74-1	Hexachlorobenzene	13000	U
1912-24-9	Atrazine	13000	U
87-86-5	Pentachlorophenol	33000	U
85-01-8	Phenanthrene	24000	
120-12-7	Anthracene	5800	J
86-74-8	Carbazole	13000	U
84-74-2	Di-n-butylphthalate	13000	U
206-44-0	Fluoranthene	5100	J
129-00-0	Pyrene	27000	
85-68-7	Butylbenzylphthalate	13000	U
91-94-1	3,3'-Dichlorobenzidine	13000	U
56-55-3	Benzo(a)anthracene	5300	J
218-01-9	Chrysene	7400	J
117-81-7	bis(2-Ethylhexyl)phthalate	5000	J
117-84-0	Di-n-octylphthalate	13000	U
205-99-2	Benzo(b)fluoranthene	3200	J
207-08-9	Benzo(k)fluoranthene	2900	J
50-32-8	Benzo(a)pyrene	3800	J
193-39-5	Indeno(1,2,3-cd)pyrene	13000	U
53-70-3	Dibenzo(a,h)anthracene	13000	U
191-24-2	Benzo(g,h,i)perylene	3900	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0091

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 1.1 (g/mL) G Lab File ID: K8416

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 31 Decanted: (Y/N) Y Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2471-83-2	1H-INDENE, 1-ETHYLIDENE-	6.47	11000	NJ
2. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	7.06	14000	NJ
3. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	7.16	13000	NJ
4. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.64	8300	NJ
5. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	7.76	10000	NJ
6. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.79	10000	NJ
7.	UNKNOWN PAH	8.60	7700	J
8. 1730-37-6	9H-FLUORENE, 1-METHYL-	8.65	20000	NJ
9.	UNKNOWN	8.76	8900	J
10.	UNKNOWN	8.86	6600	J
11.	UNKNOWN AROMATIC COMPOUND	9.06	9000	J
12.	UNKNOWN PAH	9.08	6900	J
13.	UNKNOWN	9.12	8900	J
14. 4612-63-9	9H-FLUORENE, 2,3-DIMETHYL-	9.18	11000	NJ
15.	UNKNOWN	9.24	16000	J
16. 832-69-9	PHENANTHRENE, 1-METHYL-	9.38	21000	NJ
17. 613-12-7	ANTHRACENE, 2-METHYL-	9.40	28000	NJ
18.	UNKNOWN PAH	9.74	16000	J
19. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.77	11000	NJ
20. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	9.84	26000	NJ
21.	UNKNOWN PAH	9.86	12000	J
22.	UNKNOWN	10.11	11000	J
23.	UNKNOWN PAH	10.20	13000	J
24.	UNKNOWN PAH	10.42	9900	J
25.	UNKNOWN PAH	10.50	11000	J
26.	UNKNOWN PAH	10.58	10000	J
27. 2381-21-7	PYRENE, 1-METHYL-	10.61	8600	NJ
28.	UNKNOWN PAH	11.48	9600	J
29.	UNKNOWN	11.62	8300	J
30.	UNKNOWN	11.70	9600	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-14

Sample wt/vol: 1.4(g/mL) G Lab File ID: JL252

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 38 Decanted: (Y/N)N Date Extracted: 05/13/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	120000	U
108-95-2	Phenol	120000	U
111-44-4	bis(2-Chloroethyl)Ether	120000	U
95-57-8	2-Chlorophenol	120000	U
95-48-7	2-Methylphenol	120000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	120000	U
98-86-2	Acetophenone	120000	U
106-44-5	4-Methylphenol	120000	U
621-64-7	N-Nitroso-di-n-propylamine	120000	U
67-72-1	Hexachloroethane	120000	U
98-95-3	Nitrobenzene	120000	U
78-59-1	Isophorone	120000	U
88-75-5	2-Nitrophenol	120000	U
105-67-9	2,4-Dimethylphenol	120000	U
111-91-1	bis(2-Chloroethoxy)methane	120000	U
120-83-2	2,4-Dichlorophenol	120000	U
91-20-3	Naphthalene	120000	U
106-47-8	4-Chloroaniline	120000	U
87-68-3	Hexachlorobutadiene	120000	U
105-60-2	Caprolactam	120000	U
59-50-7	4-Chloro-3-Methylphenol	120000	U
91-57-6	2-Methylnaphthalene	35000	J
77-47-4	Hexachlorocyclopentadiene	120000	U
88-06-2	2,4,6-Trichlorophenol	120000	U
95-95-4	2,4,5-Trichlorophenol	290000	U
92-52-4	1,1'-Biphenyl	120000	U
91-58-7	2-Chloronaphthalene	120000	U
88-74-4	2-Nitroaniline	290000	U
131-11-3	Dimethylphthalate	120000	U
606-20-2	2,6-Dinitrotoluene	120000	U
208-96-8	Acenaphthylene	120000	U
99-09-2	3-Nitroaniline	290000	U
83-32-9	Acenaphthene	15000	J

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-14

Sample wt/vol: 1.4(g/mL) G Lab File ID: JL252

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 38 Decanted: (Y/N)N Date Extracted: 05/13/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	290000	U
100-02-7	4-Nitrophenol	290000	U
132-64-9	Dibenzofuran	120000	U
121-14-2	2,4-Dinitrotoluene	120000	U
84-66-2	Diethylphthalate	120000	U
86-73-7	Fluorene	29000	J
7005-72-3	4-Chlorophenyl-phenylether	120000	U
100-01-6	4-Nitroaniline	290000	U
534-52-1	4,6-Dinitro-2-methylphenol	290000	U
86-30-6	N-nitrosodiphenylamine (1)	120000	U
101-55-3	4-Bromophenyl-phenylether	120000	U
118-74-1	Hexachlorobenzene	120000	U
1912-24-9	Atrazine	120000	U
87-86-5	Pentachlorophenol	290000	U
85-01-8	Phenanthrene	110000	J
120-12-7	Anthracene	23000	J
86-74-8	Carbazole	120000	U
84-74-2	Di-n-butylphthalate	120000	U
206-44-0	Fluoranthene	16000	J
129-00-0	Pyrene	74000	J
85-68-7	Butylbenzylphthalate	120000	U
91-94-1	3,3'-Dichlorobenzidine	120000	U
56-55-3	Benzo(a)anthracene	21000	J
218-01-9	Chrysene	34000	J
117-81-7	bis(2-Ethylhexyl)phthalate	120000	U
117-84-0	Di-n-octylphthalate	120000	U
205-99-2	Benzo(b)fluoranthene	120000	U
207-08-9	Benzo(k)fluoranthene	120000	U
50-32-8	Benzo(a)pyrene	13000	J
193-39-5	Indeno(1,2,3-cd)pyrene	120000	U
53-70-3	Dibenzo(a,h)anthracene	120000	U
191-24-2	Benzo(g,h,i)perylene	12000	J

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-14

Sample wt/vol: 1.4 (g/mL) G Lab File ID: JL252

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 38 Decanted: (Y/N) N Date Extracted:05/13/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.7 Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 90-12-0	NAPHTHALENE, 1-METHYL-	8.79	120000	NJ
2. 939-27-5	NAPHTHALENE, 2-ETHYL-	9.38	38000	NJ
3. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	9.46	53000	NJ
4. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	9.58	210000	NJ
5. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	9.73	78000	NJ
6. 939-27-5	NAPHTHALENE, 2-ETHYL-	9.86	37000	NJ
7. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	10.15	52000	NJ
8. 2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	10.30	73000	NJ
9. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	10.46	96000	NJ
10. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	10.56	89000	NJ
11.	UNKNOWN AROMATIC COMPOUND	10.89	55000	J
12. 529-05-5	AZULENE, 7-ETHYL-1,4-DIMETHY	11.16	29000	NJ
13.	UNKNOWN PAH	11.40	67000	J
14.	UNKNOWN	11.94	33000	J
15. 610-48-0	ANTHRACENE, 1-METHYL-	12.30	40000	NJ
16. 832-64-4	PHENANTHRENE, 4-METHYL-	12.34	51000	NJ
17. 613-12-7	ANTHRACENE, 2-METHYL-	12.42	95000	NJ
18.	UNKNOWN	12.64	40000	J
19. 52251-71-5	ANTHRACENE, 2-ETHYL-	12.74	31000	NJ
20. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	12.77	47000	NJ
21. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	12.85	130000	NJ
22. 3674-73-5	PHENANTHRENE, 2,3,5-TRIMETHY	13.28	33000	NJ
23.	UNKNOWN PAH	13.57	54000	J
24. 3442-78-2	PYRENE, 2-METHYL-	13.70	58000	NJ
25.	UNKNOWN	14.11	44000	J
26. 64401-21-4	PYRENE, 1,3-DIMETHYL-	14.28	39000	NJ
27.	UNKNOWN	14.75	68000	J
28.	UNKNOWN PAH	15.17	43000	J
29.	UNKNOWN	18.15	91000	J
30.	UNKNOWN	19.86	52000	J

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0093

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 1.5(g/mL) G Lab File ID: K8417

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 30 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
98-86-2	Acetophenone	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	U
87-68-3	Hexachlorobutadiene	10000	U
105-60-2	Caprolactam	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1'-Biphenyl	10000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
208-96-8	Acenaphthylene	10000	U
99-09-2	3-Nitroaniline	25000	U
83-32-9	Acenaphthene	10000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0093

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 1.5(g/mL) G Lab File ID: K8417

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 30 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	U
100-02-7	4-Nitrophenol	25000	U
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
86-73-7	Fluorene	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	2000	J
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)anthracene	10000	U
218-01-9	Chrysene	10000	U
117-81-7	bis(2-Ethylhexyl)phthalate	10000	U
117-84-0	Di-n-octylphthalate	10000	U
205-99-2	Benzo(b)fluoranthene	10000	U
207-08-9	Benzo(k)fluoranthene	10000	U
50-32-8	Benzo(a)pyrene	10000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10000	U
53-70-3	Dibenzo(a,h)anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

E0093

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 1.5 (g/mL) G Lab File ID: K8417

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 30 Decanted: (Y/N) Y Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

Number TICs found: 15

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 3658-80-8	TRISULFIDE, DIMETHYL	4.48	3800	NJ
2.	UNKNOWN	5.93	2700	J
3.	UNKNOWN	6.33	2500	J
4.	UNKNOWN	6.64	2200	J
5.	UNKNOWN	8.37	2100	J
6.	UNKNOWN	8.46	2400	J
7.	UNKNOWN	9.23	2500	J
8.	UNKNOWN ALCOHOL/ALKENE	9.30	4200	J
9.	UNKNOWN	9.65	4500	J
10.	UNKNOWN	9.82	2500	J
11.	UNKNOWN	9.95	2600	J
12.	UNKNOWN	11.04	3000	~~JB~~ U
13.	UNKNOWN	11.72	2800	J
14.	UNKNOWN	12.10	3400	J
15.	UNKNOWN	13.36	3000	J
16.				
17.				
18.				
19.				
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30.				

GW 6/18/04

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0094

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-16

Sample wt/vol: 30.2(g/mL) G Lab File ID: JL249

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 37 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	230	J
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)Ether	1000	U
95-57-8	2-Chlorophenol	1000	U
95-48-7	2-Methylphenol	1000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1000	U
98-86-2	Acetophenone	1000	U
106-44-5	4-Methylphenol	180	J
621-64-7	N-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
105-60-2	Caprolactam	1000	U
59-50-7	4-Chloro-3-Methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	2600	U
92-52-4	1,1'-Biphenyl	1000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U
208-96-8	Acenaphthylene	1000	U
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	1000	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0094

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-16

Sample wt/vol: 30.2(g/mL) G Lab File ID: JL249

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 37 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	150	J
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
86-73-7	Fluorene	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
86-30-6	N-nitrosodiphenylamine (1)	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
1912-24-9	Atrazine	1000	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	950	J
120-12-7	Anthracene	1000	U
86-74-8	Carbazole	1000	U
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	280	J
85-68-7	Butylbenzylphthalate	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	240	J
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo(b)fluoranthene	1000	U
207-08-9	Benzo(k)fluoranthene	1000	U
50-32-8	Benzo(a)pyrene	1000	U
193-39-5	Indeno(1,2,3-cd)pyrene	1000	U
53-70-3	Dibenzo(a,h)anthracene	1000	U
191-24-2	Benzo(g,h,i)perylene	1000	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0094

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: JL249

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 37 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	9.73	740	NJ
2. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	10.57	740	NJ
3.	UNKNOWN	10.92	690	J
4. 13150-81-7	2,6-DIMETHYLDECANE	11.58	1000	NJ
5.	UNKNOWN	12.04	380	J
6. 779-02-2	ANTHRACENE, 9-METHYL-	12.42	1200	NJ
7. 35465-71-5	2-PHENYLNAPHTHALENE	12.57	460	NJ
8.	UNKNOWN	12.63	370	J
9.	UNKNOWN	15.27	450	J
10.	UNKNOWN	15.68	800	J
11.	UNKNOWN KETONE	16.13	590	J
12.	UNKNOWN	16.24	640	J
13.	UNKNOWN	17.60	1500	J
14.	UNKNOWN PAH	19.15	1200	J
15.	UNKNOWN	19.46	1200	J
16.	UNKNOWN	19.65	1100	J
17. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	20.22	30000	NJ
18.	UNKNOWN PAH	20.49	9100	J
19.	UNKNOWN	22.28	760	J
20. 16595-80-5	LEVAMISOLE HYDROCHLORIDE	22.72	580	NJ
21. 604-39-7	ANDROST-4-EN-3-ONE, 17-HYDRO	22.87	1300	NJ
22. 0-00-0	PYRROLIDIN-5-ONE, 2,3-DEDIHY	23.39	500	NJ
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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E0095

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 30.2(g/mL) G Lab File ID: JL250

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	460	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	200	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0095

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 30.2(g/mL) G Lab File ID: JL250

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	79	J
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	170	J
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	2000	
120-12-7	Anthracene	400	J
86-74-8	Carbazole	330	J
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	3500	
129-00-0	Pyrene	3300	
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	1700	
218-01-9	Chrysene	2100	
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1800	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	540	
191-24-2	Benzo(g,h,i)perylene	1600	

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0095

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 30.2 (g/mL) G Lab File ID: JL250

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 29 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

Number TICs found: 29

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.09	410	J
2. 1210-12-4	9-ANTHRACENECARBONITRILE	13.40	230	NJ
3. 2381-21-7	PYRENE, 1-METHYL-	13.45	200	NJ
4. 238-84-6	11H-BENZO[A]FLUORENE	13.57	280	NJ
5.	UNKNOWN PAH	13.69	210	J
6. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	14.29	340	NJ
7.	UNKNOWN PAH	14.78	240	J
8.	UNKNOWN AROMATIC COMPOUND	14.91	340	J
9.	UNKNOWN PAH	15.23	240	J
10. 1090-13-7	5,12-NAPHTHACENEDIONE	15.70	390	NJ
11.	UNKNOWN AROMATIC COMPOUND	16.05	790	J
12.	UNKNOWN	16.25	600	J
13. 50-32-8	BENZO[A]PYRENE	16.54	900	NJ
14.	UNKNOWN	16.70	360	J
15.	UNKNOWN	16.78	340	J
16. 205-82-3	BENZO[J]FLUORANTHENE	16.90	3500	NJ
17. 198-55-0	PERYLENE	17.19	790	NJ
18.	UNKNOWN	18.20	680	J
19. 53-70-3	DIBENZ[A,H]ANTHRACENE	19.49	530	NJ
20. 193-39-5	INDENO[1,2,3-CD]PYRENE	19.64	910	NJ
21. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	20.23	23000	NJ
22. 215-58-7	BENZO[B]TRIPHENYLENE	20.34	330	NJ
23.	UNKNOWN	20.50	3100	J
24. 193-39-5	INDENO[1,2,3-CD]PYRENE	21.22	1600	NJ
25.	UNKNOWN	21.65	790	J
26.	UNKNOWN	21.92	880	J
27.	UNKNOWN	22.31	490	J
28.	UNKNOWN PAH	22.73	1700	J
29.	UNKNOWN	23.49	310	J
30.				

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-18

Sample wt/vol: 30.5(g/mL) G Lab File ID: JL251

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	98	J
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)Ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
98-86-2	Acetophenone	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
105-60-2	Caprolactam	500	U
59-50-7	4-Chloro-3-Methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1300	U
92-52-4	1,1'-Biphenyl	500	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	500	U
606-20-2	2,6-Dinitrotoluene	500	U
208-96-8	Acenaphthylene	500	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	500	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-18

Sample wt/vol: 30.5(g/mL) G Lab File ID: JL251

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N)N Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
86-73-7	Fluorene	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-nitrosodiphenylamine (1)	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
1912-24-9	Atrazine	500	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
86-74-8	Carbazole	500	U
84-74-2	Di-n-butylphthalate	500	U
206-44-0	Fluoranthene	500	U
129-00-0	Pyrene	500	U
85-68-7	Butylbenzylphthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	Benzo(a)anthracene	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	89	J
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo(b)fluoranthene	500	U
207-08-9	Benzo(k)fluoranthene	500	U
50-32-8	Benzo(a)pyrene	500	U
193-39-5	Indeno(1,2,3-cd)pyrene	500	U
53-70-3	Dibenzo(a,h)anthracene	500	U
191-24-2	Benzo(g,h,i)perylene	500	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-18

Sample wt/vol: 30.5 (g/mL) G Lab File ID: JL251

Level: (low/med) LOW Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N) N Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.09	400	J
2. 112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	7.58	230	NJ
3. 1074-89-1	1H-PURINE, 6-METHOXY-	11.28	260	NJ
4.	UNKNOWN	12.22	370	J
5.	UNKNOWN	13.26	110	J
6. 638-66-4	OCTADECANAL	13.90	130	NJ
7.	UNKNOWN	14.28	150	J
8. 629-66-3	2-NONADECANONE	15.06	310	NJ
9.	UNKNOWN ALCOHOL/ALKENE	15.31	170	J
10.	UNKNOWN	15.57	190	J
11.	UNKNOWN ALCOHOL/ALKENE	15.72	300	J
12.	UNKNOWN KETONE	16.16	280	J
13.	UNKNOWN KETONE	16.85	110	J
14.	UNKNOWN KETONE	17.64	260	J
15.	UNKNOWN	18.02	100	J
16.	UNKNOWN	18.23	580	J
17.	UNKNOWN	18.36	130	J
18.	UNKNOWN	18.66	180	J
19.	UNKNOWN	18.82	100	J
20.	UNKNOWN	19.63	480	J
21. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	20.23	6800	NJ
22.	UNKNOWN	20.52	3200	J
23.	UNKNOWN	20.94	170	J
24.	UNKNOWN	21.14	200	J
25.	UNKNOWN	21.25	570	J
26.	UNKNOWN	21.68	280	J
27.	UNKNOWN	22.30	190	J
28.	UNKNOWN	22.62	260	J
29.	UNKNOWN	22.75	330	J
30.	UNKNOWN	22.89	440	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0097

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 1.1(g/mL) G Lab File ID: K8418

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/21/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	14000	U
108-95-2	Phenol	14000	U
111-44-4	bis(2-Chloroethyl)Ether	14000	U
95-57-8	2-Chlorophenol	14000	U
95-48-7	2-Methylphenol	14000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	14000	U
98-86-2	Acetophenone	14000	U
106-44-5	4-Methylphenol	14000	U
621-64-7	N-Nitroso-di-n-propylamine	14000	U
67-72-1	Hexachloroethane	14000	U
98-95-3	Nitrobenzene	14000	U
78-59-1	Isophorone	14000	U
88-75-5	2-Nitrophenol	14000	U
105-67-9	2,4-Dimethylphenol	14000	U
111-91-1	bis(2-Chloroethoxy)methane	14000	U
120-83-2	2,4-Dichlorophenol	14000	U
91-20-3	Naphthalene	14000	U
106-47-8	4-Chloroaniline	14000	U
87-68-3	Hexachlorobutadiene	14000	U
105-60-2	Caprolactam	14000	U
59-50-7	4-Chloro-3-Methylphenol	14000	U
91-57-6	2-Methylnaphthalene	14000	U
77-47-4	Hexachlorocyclopentadiene	14000	U
88-06-2	2,4,6-Trichlorophenol	14000	U
95-95-4	2,4,5-Trichlorophenol	35000	U
92-52-4	1,1'-Biphenyl	14000	U
91-58-7	2-Chloronaphthalene	14000	U
88-74-4	2-Nitroaniline	35000	U
131-11-3	Dimethylphthalate	14000	U
606-20-2	2,6-Dinitrotoluene	14000	U
208-96-8	Acenaphthylene	14000	U
99-09-2	3-Nitroaniline	35000	U
83-32-9	Acenaphthene	14000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0097

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 1.1(g/mL) G Lab File ID: K8418

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N)Y Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/21/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	35000	U
100-02-7	4-Nitrophenol	35000	U
132-64-9	Dibenzofuran	14000	U
121-14-2	2,4-Dinitrotoluene	14000	U
84-66-2	Diethylphthalate	14000	U
86-73-7	Fluorene	14000	U
7005-72-3	4-Chlorophenyl-phenylether	14000	U
100-01-6	4-Nitroaniline	35000	U
534-52-1	4,6-Dinitro-2-methylphenol	35000	U
86-30-6	N-nitrosodiphenylamine (1)	14000	U
101-55-3	4-Bromophenyl-phenylether	14000	U
118-74-1	Hexachlorobenzene	14000	U
1912-24-9	Atrazine	14000	U
87-86-5	Pentachlorophenol	35000	U
85-01-8	Phenanthrene	1500	J
120-12-7	Anthracene	14000	U
86-74-8	Carbazole	14000	U
84-74-2	Di-n-butylphthalate	14000	U
206-44-0	Fluoranthene	3600	J
129-00-0	Pyrene	6100	J
85-68-7	Butylbenzylphthalate	14000	U
91-94-1	3,3'-Dichlorobenzidine	14000	U
56-55-3	Benzo(a)anthracene	2700	J
218-01-9	Chrysene	3900	J
117-81-7	bis(2-Ethylhexyl)phthalate	14000	U
117-84-0	Di-n-octylphthalate	14000	U
205-99-2	Benzo(b)fluoranthene	2000	J
207-08-9	Benzo(k)fluoranthene	2000	J
50-32-8	Benzo(a)pyrene	1900	J
193-39-5	Indeno(1,2,3-cd)pyrene	14000	U
53-70-3	Dibenzo(a,h)anthracene	14000	U
191-24-2	Benzo(g,h,i)perylene	14000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0097

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 1.1 (g/mL) G Lab File ID: K8418

Level: (low/med) MED Date Received: 05/07/04

% Moisture: 35 Decanted: (Y/N) Y Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/21/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 3658-80-8	TRISULFIDE, DIMETHYL	4.48	13000	NJ
2.	UNKNOWN	5.93	9700	J
3.	UNKNOWN	11.45	2900	J
4.	UNKNOWN AMIDE	11.72	8900	J
5.	UNKNOWN	13.85	9000	J
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDH

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0506-B2D

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH284

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDH

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0506-B2D

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH284

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKDH

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0506-B2D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DH284

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.23	180	J
2.	UNKNOWN	7.52	250	J
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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0510-B3D

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH286

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKDI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0510-B3D

Sample wt/vol: 30.0(g/mL) G Lab File ID: DH286

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKDI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0510-B3D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: DH286

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/18/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKJQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0510-B3J

Sample wt/vol: 30.0(g/mL) G Lab File ID: JL199

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/21/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKJQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0510-B3J

Sample wt/vol: 30.0(g/mL) G Lab File ID: JL199

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/21/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKJQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: S0510-B3J

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JL199

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/10/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/21/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKJW

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: MS0513-B4J

Sample wt/vol: 1.0(g/mL) G Lab File ID: JL243

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/13/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
98-86-2	Acetophenone	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	U
87-68-3	Hexachlorobutadiene	10000	U
105-60-2	Caprolactam	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1'-Biphenyl	10000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
208-96-8	Acenaphthylene	10000	U
99-09-2	3-Nitroaniline	25000	U
83-32-9	Acenaphthene	10000	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKJW

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: MS0513-B4J

Sample wt/vol: 1.0(g/mL) G Lab File ID: JL243

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/13/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	U
100-02-7	4-Nitrophenol	25000	U
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
86-73-7	Fluorene	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	10000	U
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)anthracene	10000	U
218-01-9	Chrysene	10000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1300	J
117-84-0	Di-n-octylphthalate	10000	U
205-99-2	Benzo(b)fluoranthene	10000	U
207-08-9	Benzo(k)fluoranthene	10000	U
50-32-8	Benzo(a)pyrene	10000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10000	U
53-70-3	Dibenzo(a,h)anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SBLKJW

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: MS0513-B4J

Sample wt/vol: 1.0 (g/mL) G Lab File ID: JL243

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/13/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: MS0514-B4K

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8400

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	10000	U
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
98-86-2	Acetophenone	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-di-n-propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	U
87-68-3	Hexachlorobutadiene	10000	U
105-60-2	Caprolactam	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
92-52-4	1,1'-Biphenyl	10000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
208-96-8	Acenaphthylene	10000	U
99-09-2	3-Nitroaniline	25000	U
83-32-9	Acenaphthene	10000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: MS0514-B4K

Sample wt/vol: 1.0(g/mL) G Lab File ID: K8400

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	U
100-02-7	4-Nitrophenol	25000	U
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
86-73-7	Fluorene	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
100-01-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
1912-24-9	Atrazine	10000	U
87-86-5	Pentachlorophenol	25000	U
85-01-8	Phenanthrene	10000	U
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)anthracene	10000	U
218-01-9	Chrysene	10000	U
117-81-7	bis(2-Ethylhexyl)phthalate	10000	U
117-84-0	Di-n-octylphthalate	10000	U
205-99-2	Benzo(b)fluoranthene	10000	U
207-08-9	Benzo(k)fluoranthene	10000	U
50-32-8	Benzo(a)pyrene	10000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10000	U
53-70-3	Dibenzo(a,h)anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKU

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: MS0514-B4K

Sample wt/vol: 1.0 (g/mL) G Lab File ID: K8400

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/14/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/20/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.01	2000	J
2.				
3.				
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2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

GC Column(1):DB5 ID:0.53(mm) GC Column(2):DB35 ID:0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK01	76	76	92	100			0
02	PBLK02	92	92	92	100			0
03	E0083DL	52	118	94	100			0
04	E0084DL	56	72	111	106			0
05	E0082DL	80	107	52	* 160D			0
06	E0093DL	63	74	68	132			0
07	E0095DL	74	79	53	74			0
08	E0090DL	69	88	* 26D	100			0
09	E0088DL	* 171D	94	88	135			0
10	E0076DL	63	81	* 238D	* 175D			0
11	E0097DL	95	120	70	110			0
12	E0096	75	75	65	65			0
13	E0087DL	48	117	* 21D	* 228D			0
14	E0074	69	75	51	69			0
15	E0075	58	63	116	58			0
16	E0076	48	88	169*	144			1
17	E0082	50	80	33	100			0
18	E0083	59	58	65	71			0
19	E0084	37	67	53	56			0
20	E0085	62	73	38	93			0
21	E0086	62	69	54	75			0
22	E0086MS	59	69	51	69			0
23	E0086MSD	55	69	44	61			0
24	E0087	44	94	8*	111			1
25	E0088	165*	76	45	88			1
26	E0089	71	71	55	65			0
27	E0090	43	69	24*	58			1
28	E0093	63	58	42	49			0
29	E0094	52	62	47	52			0
30	E0095	68	68	63	74			0

QC LIMITS
S1 (TCX) = Tetrachloro-m-xylene (30-150)
S2 (DCB) = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

ACH 6-18-04

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

GC Column(1):DB5 ID:0.53(mm) GC Column(2):DB35 ID:0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
	==========	======	======	======	======	======	======	===
01	E0097	65	85	36	85			0
02	E0092	57	67	114	810*			1
03	E0091	48	58	43	153*			1
04								
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		QC LIMITS
S1 (TCX)	= Tetrachloro-m-xylene	(30-150)
S2 (DCB)	= Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix Spike - EPA Sample No.: E0086

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	20	0.00	11	55	46-127
Heptachlor	20	0.00	9.9	50	35-130
Aldrin	20	0.00	13	65	34-132
Dieldrin	40	0.00	25	63	31-134
Endrin	40	0.00	24	60	42-139
4,4'-DDT	40	0.00	24	60	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	20	10	50	10	50	46-127
Heptachlor	20	9.1	46	8	31	35-130
Aldrin	20	12	60	8	43	34-132
Dieldrin	40	24	60	5	38	31-134
Endrin	40	22	55	9	45	42-139
4,4'-DDT	40	32	80	29	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab Sample ID: P0506-B6 Lab File ID: _____

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/06/04

Date Analyzed (1): 05/19/04 Date Analyzed (2): 05/19/04

Time Analyzed (1): 0858 Time Analyzed (2): 0858

Instrument ID (1): GC7 Instrument ID (2): GC7

GC Column (1): DB5 ID: 0.53(mm) GC Column (2): DB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0074	040369-01	05/20/04	05/20/04
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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26				

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK02

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab Sample ID: P0510-B1 Lab File ID: _____

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/10/04

Date Analyzed (1): 05/19/04 Date Analyzed (2): 05/19/04

Time Analyzed (1): 0933 Time Analyzed (2): 0933

Instrument ID (1): GC7 Instrument ID (2): GC7

GC Column (1): DB5 ID: 0.53(mm) GC Column (2): DB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0083DL	040369-05DL	05/19/04	05/19/04
02	E0084DL	040369-06DL	05/19/04	05/19/04
03	E0082DL	040369-04DL	05/19/04	05/19/04
04	E0093DL	040369-15DL	05/19/04	05/19/04
05	E0095DL	040369-17DL	05/19/04	05/19/04
06	E0090DL	040369-12DL	05/19/04	05/19/04
07	E0088DL	040369-10DL	05/19/04	05/19/04
08	E0076DL	040369-03DL	05/19/04	05/19/04
09	E0097DL	040369-19DL	05/19/04	05/19/04
10	E0096	040369-18	05/20/04	05/20/04
11	E0087DL	040369-09DL	05/20/04	05/20/04
12	E0075	040369-02	05/20/04	05/20/04
13	E0076	040369-03	05/20/04	05/20/04
14	E0082	040369-04	05/20/04	05/20/04
15	E0083	040369-05	05/20/04	05/20/04
16	E0084	040369-06	05/20/04	05/20/04
17	E0085	040369-07	05/21/04	05/21/04
18	E0086	040369-08	05/21/04	05/21/04
19	E0086MS	040369-08MS	05/21/04	05/21/04
20	E0086MSD	040369-08MSD	05/21/04	05/21/04
21	E0087	040369-09	05/22/04	05/22/04
22	E0088	040369-10	05/22/04	05/22/04
23	E0089	040369-11	05/22/04	05/22/04
24	E0090	040369-12	05/23/04	05/23/04
25	E0093	040369-15	05/23/04	05/23/04
26	E0094	040369-16	05/23/04	05/23/04

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK02

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Lab Sample ID: P0510-B1 Lab File ID: _____

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/10/04

Date Analyzed (1): 05/19/04 Date Analyzed (2): 05/19/04

Time Analyzed (1): 0933 Time Analyzed (2): 0933

Instrument ID (1): GC7 Instrument ID (2): GC7

GC Column (1): DB5 ID: 0.53(mm) GC Column (2): DB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	E0095	040369-17	05/23/04	05/23/04
02	E0097	040369-19	05/23/04	05/23/04
03	E0092	040369-14	05/23/04	05/23/04
04	E0091	040369-13	05/24/04	05/24/04
05				
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COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0074

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-01

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/05/04

Extraction: (Type) SONC Date Extracted: 05/06/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0075

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-02

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0076

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.3	P
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	19	P
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	6.0	P
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0076DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-03DL

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 4.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	41	U
72-55-9	4,4'-DDE	41	U
72-20-8	Endrin	41	U
33213-65-9	Endosulfan II	41	U
72-54-8	4,4'-DDD	41	U
1031-07-8	Endosulfan sulfate	41	U
50-29-3	4,4'-DDT	41	U
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	41	U
7421-93-4	Endrin aldehyde	41	U
5103-71-9	alpha-Chlordane	21	U
5103-74-2	gamma-Chlordane	21	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	410	U
11104-28-2	Aroclor-1221	820	U
11141-16-5	Aroclor-1232	410	U
53469-21-9	Aroclor-1242	410	U
12672-29-6	Aroclor-1248	410	U
11097-69-1	Aroclor-1254	410	U
11096-82-5	Aroclor-1260	410	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0082

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	2.7	P
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	9.8	P
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	53	P
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	24	P
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	7.2	
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0082DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-04DL

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	37	U
72-55-9	4,4'-DDE	37	U
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	64	DP
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	37	U
7421-93-4	Endrin aldehyde	37	U
5103-71-9	alpha-Chlordane	19	U
5103-74-2	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	750	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	370	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0083

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	9.3	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	22	
72-20-8	Endrin	5.5	P
33213-65-9	Endosulfan II	25	P
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	26	P
72-43-5	Methoxychlor	36	P
53494-70-5	Endrin ketone	37	P
7421-93-4	Endrin aldehyde	20	P
5103-71-9	alpha-Chlordane	29	P
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0083DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-05DL

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	59	D
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	42	U
7421-93-4	Endrin aldehyde	42	U
5103-71-9	alpha-Chlordane	22	DP
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	860	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0084

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	6.2	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	15	
72-20-8	Endrin	6.7	P
33213-65-9	Endosulfan II	27	P
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	20	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	19	P
7421-93-4	Endrin aldehyde	8.7	P
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0084DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-06DL

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	43	U
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	45	DP
72-54-8	4,4'-DDD	43	U
1031-07-8	Endosulfan sulfate	43	U
50-29-3	4,4'-DDT	43	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	43	U
7421-93-4	Endrin aldehyde	43	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	880	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	430	U
11096-82-5	Aroclor-1260	430	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0085

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-07

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 14 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/21/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	4.1	
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	8.4	P
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/21/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	5.2	P
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MS

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/21/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	11	P
76-44-8	Heptachlor	9.9	P
309-00-2	Aldrin	13	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	25	P
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	24	P
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	24	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0086MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-08MSD

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/21/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	10	P
76-44-8	Heptachlor	9.1	P
309-00-2	Aldrin	12	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	24	P
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	22	P
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	32	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 27 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/22/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	13	P
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	5.4	P
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	13	P
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	17	P
7421-93-4	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	10	P
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0087DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-09DL

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 27 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC (Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor epoxide	23	U
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	45	U
72-55-9	4,4'-DDE	45	U
72-20-8	Endrin	45	U
33213-65-9	Endosulfan II	45	U
72-54-8	4,4'-DDD	45	U
1031-07-8	Endosulfan sulfate	45	U
50-29-3	4,4'-DDT	45	U
72-43-5	Methoxychlor	230	U
53494-70-5	Endrin ketone	45	U
7421-93-4	Endrin aldehyde	45	U
5103-71-9	alpha-Chlordane	23	U
5103-74-2	gamma-Chlordane	23	U
8001-35-2	Toxaphene	2300	U
12674-11-2	Aroclor-1016	450	U
11104-28-2	Aroclor-1221	910	U
11141-16-5	Aroclor-1232	450	U
53469-21-9	Aroclor-1242	450	U
12672-29-6	Aroclor-1248	450	U
11097-69-1	Aroclor-1254	450	U
11096-82-5	Aroclor-1260	450	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0088

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/22/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	68	EP
319-86-8	delta-BHC	8.2	P
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	9.9	P
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	8.3	P
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	30	P
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	12	P
5103-71-9	alpha-Chlordane	41	E
5103-74-2	gamma-Chlordane	2.5	P
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0088DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-10DL

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	110	D
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	42	U
7421-93-4	Endrin aldehyde	42	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	850	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0089

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-11

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 6 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/22/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0090

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/23/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	6.6	P
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	10	P
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	5.8	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	19	P
7421-93-4	Endrin aldehyde	5.7	P
5103-71-9	alpha-Chlordane	3.0	P
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0090DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-12DL

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	20	U
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	40	U
72-55-9	4,4'-DDE	40	U
72-20-8	Endrin	40	U
33213-65-9	Endosulfan II	40	U
72-54-8	4,4'-DDD	40	U
1031-07-8	Endosulfan sulfate	40	U
50-29-3	4,4'-DDT	40	U
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	40	U
7421-93-4	Endrin aldehyde	40	U
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	20	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	400	U
11104-28-2	Aroclor-1221	810	U
11141-16-5	Aroclor-1232	400	U
53469-21-9	Aroclor-1242	400	U
12672-29-6	Aroclor-1248	400	U
11097-69-1	Aroclor-1254	400	U
11096-82-5	Aroclor-1260	400	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0091

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-13

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 31 Decanted: (Y/N) Y Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/24/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.8	~~P~~ 052604,
60-57-1	Dieldrin	4.8	U
72-55-9	4,4'-DDE	7.2	
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	4.8	U
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	6.8	P
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	19	P
7421-93-4	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	48	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0092

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-14

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 38 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 50000(uL) Date Analyzed: 05/23/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	27	U
319-85-7	beta-BHC	27	U
319-86-8	delta-BHC	27	U
58-89-9	gamma-BHC (Lindane)	27	U
76-44-8	Heptachlor	27	U
309-00-2	Aldrin	27	U
1024-57-3	Heptachlor epoxide	27	U
959-98-8	Endosulfan I	27	U
60-57-1	Dieldrin	53	U
72-55-9	4,4'-DDE	53	U
72-20-8	Endrin	53	U
33213-65-9	Endosulfan II	53	U
72-54-8	4,4'-DDD	53	U
1031-07-8	Endosulfan sulfate	53	U
50-29-3	4,4'-DDT	53	U
72-43-5	Methoxychlor	270	U
53494-70-5	Endrin ketone	90	P
7421-93-4	Endrin aldehyde	53	U
5103-71-9	alpha-Chlordane	50	P
5103-74-2	gamma-Chlordane	27	U
8001-35-2	Toxaphene	2700	U
12674-11-2	Aroclor-1016	530	U
11104-28-2	Aroclor-1221	1100	U
11141-16-5	Aroclor-1232	530	U
53469-21-9	Aroclor-1242	530	U
12672-29-6	Aroclor-1248	530	U
11097-69-1	Aroclor-1254	530	U
11096-82-5	Aroclor-1260	530	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0093

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 30 Decanted: (Y/N) Y Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/23/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.6	P
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	U
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.9	P
7421-93-4	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	95	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0093DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-15DL

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 30 Decanted: (Y/N) Y Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 5.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	24	U
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	24	U
1024-57-3	Heptachlor epoxide	24	U
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	47	U
72-55-9	4,4'-DDE	47	U
72-20-8	Endrin	47	U
33213-65-9	Endosulfan II	47	U
72-54-8	4,4'-DDD	47	U
1031-07-8	Endosulfan sulfate	47	U
50-29-3	4,4'-DDT	47	U
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	47	U
7421-93-4	Endrin aldehyde	47	U
5103-71-9	alpha-Chlordane	24	U
5103-74-2	gamma-Chlordane	24	U
8001-35-2	Toxaphene	2400	U
12674-11-2	Aroclor-1016	470	U
11104-28-2	Aroclor-1221	950	U
11141-16-5	Aroclor-1232	470	U
53469-21-9	Aroclor-1242	470	U
12672-29-6	Aroclor-1248	470	U
11097-69-1	Aroclor-1254	470	U
11096-82-5	Aroclor-1260	470	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0094

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-16

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 37 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/23/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	5.2	U
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	6.3	P
7421-93-4	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0095

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/23/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	7.6	P
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0095DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-17DL

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	24	U
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	24	U
1024-57-3	Heptachlor epoxide	24	U
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	46	U
72-55-9	4,4'-DDE	46	U
72-20-8	Endrin	46	U
33213-65-9	Endosulfan II	46	U
72-54-8	4,4'-DDD	46	U
1031-07-8	Endosulfan sulfate	46	U
50-29-3	4,4'-DDT	46	U
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	46	U
7421-93-4	Endrin aldehyde	46	U
5103-71-9	alpha-Chlordane	24	U
5103-74-2	gamma-Chlordane	24	U
8001-35-2	Toxaphene	2400	U
12674-11-2	Aroclor-1016	460	U
11104-28-2	Aroclor-1221	940	U
11141-16-5	Aroclor-1232	460	U
53469-21-9	Aroclor-1242	460	U
12672-29-6	Aroclor-1248	460	U
11097-69-1	Aroclor-1254	460	U
11096-82-5	Aroclor-1260	460	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0096

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-18

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/20/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.0	U
72-55-9	4,4'-DDE	5.0	U
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	5.0	U
72-54-8	4,4'-DDD	5.0	U
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	5.0	U
7421-93-4	Endrin aldehyde	5.0	U
5103-71-9	alpha-Chlordane	2.6	U
5103-74-2	gamma-Chlordane	2.6	U
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0097

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 35 Decanted: (Y/N) Y Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/23/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	11	P
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.0	U
72-55-9	4,4'-DDE	11	P
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	5.0	U
72-54-8	4,4'-DDD	5.0	U
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	35	P
7421-93-4	Endrin aldehyde	5.0	U
5103-71-9	alpha-Chlordane	3.3	P
5103-74-2	gamma-Chlordane	2.6	U
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0097DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: 040369-19DL

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/07/04

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	26	U
319-85-7	beta-BHC	26	U
319-86-8	delta-BHC	26	U
58-89-9	gamma-BHC (Lindane)	26	U
76-44-8	Heptachlor	26	U
309-00-2	Aldrin	26	U
1024-57-3	Heptachlor epoxide	26	U
959-98-8	Endosulfan I	26	U
60-57-1	Dieldrin	50	U
72-55-9	4,4'-DDE	50	U
72-20-8	Endrin	50	U
33213-65-9	Endosulfan II	50	U
72-54-8	4,4'-DDD	50	U
1031-07-8	Endosulfan sulfate	50	U
50-29-3	4,4'-DDT	50	U
72-43-5	Methoxychlor	260	U
53494-70-5	Endrin ketone	50	U
7421-93-4	Endrin aldehyde	50	U
5103-71-9	alpha-Chlordane	26	U
5103-74-2	gamma-Chlordane	26	U
8001-35-2	Toxaphene	2600	U
12674-11-2	Aroclor-1016	500	U
11104-28-2	Aroclor-1221	1000	U
11141-16-5	Aroclor-1232	500	U
53469-21-9	Aroclor-1242	500	U
12672-29-6	Aroclor-1248	500	U
11097-69-1	Aroclor-1254	500	U
11096-82-5	Aroclor-1260	500	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: P0506-B6

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/06/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32839 SAS No.: SDG No.: E0074

Matrix: (soil/water) SOIL Lab Sample ID: P0510-B1

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/10/04

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0074 CERCLIS No: ILD005454566

Case No: 32839 Site Name/Location: US STEEL CORP. JOLIET WORKS

Contractor or EPA Lab: CEMIC Data User: IEPA

No. of Samples: 19 Date Sampled or Date Received: 5-28-04

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: 19 No. of samples received: 19

Received by: Erin M. Dixon | ESAT Date: 5-28-04

Received by LSSS: Erin M. Dixon | ESAT Date: 5-28-04

Review started: 6/9/04 Reviewer Signature: [signature]

Total time spent on review: 34 Date review completed: 6/17/04

Copied by: Erin M. Dixon | ESAT Date: 6-21-04

Mailed to user by: Erin M. Dixon | ESAT Date: 6-21-04

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

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. Date: ____