ATTACHMENT

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

"...TO PROTECT HUMAN HEALTH AND SAFEGUARD THE NATURAL ENVIRONMENT..."

SAUGET SITES I AND N

EPA Region 5 Records Ctr.
277952

CAHOKIA, ST. CLAIR COUNTY, ILLINOIS

SITE INVESTIGATION REPORT

TDD No.: S05-0302-016
Contract Number: 68-W-00-129

Prepared for
U.S. Environmental Protection Agency
Region 5 Remedial Branch
77 West Jackson Boulevard
Chicago, IL 60604

Prepared by:
Tetra Tech EM Inc.

ATTACHMENT

CONTRACT LABORATORY PROGRAM DATA VALIDATION REPORTS

(540 Sheets)

NOV 1 3 2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: _____

SUBJECT: Review of Data
Received for Review on _____

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

for Steve Ostrodka
Richard F Bajirsh
11/7/03

TO: Data User: USEPA5 / Tetra Tech

We have reviewed the data for the following case:

SITE NAME: Sauget Site N (IL)

CASE NUMBER: 32243 SDG NUMBER: E2DN8

Number and Type of Samples: 3 Soils / 2 Waters - Dioxin

Sample Numbers: E2DN8, E2DN9, E2DP6, E2DP7, E2DQ2

Laboratory: SWOK Hrs. for Review: _____

Following are our findings:

The data are valid and accepted with the qualifications described in the attached narrative.

Richard F Bajirsh

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

Contractor:	SWOK	Case/SAS:	32243
Site:	Sauget Site N (IL)	SDG:	E2DN8

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

Three (3) soil and two (2) water samples, E2DN8, E2DN9, E2DP6, E2DP7 and E2DQ2 were collected October 7th and 8th , 2003 and shipped to Southwest Laboratory (SWOK) of Oklahoma in Broken Arrow, OK. The lab received the samples on October 9, 2003 in good condition.

The laboratory control spike samples were identified as LCS1, LCSD1, LCS2 and LCSD2. Sample E2DN9 was identified as a field duplicate of sample E2DN8.

As stated in SOW DLM01.4, the samples were extracted within 10 days of the Validated Time of Sample Receipt (VTSR) and the extracts were analyzed within 30 days; therefore, all results are acceptable.

Reviewed by: Allison Harvey - ESAT
Date: November 3, 2003

Contractor:	SWOK	Case/SAS:	32243
Site:	Sauget Site N (IL)	SDG:	E2DN8

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

1. HOLDING TIME

Three (3) soil and two (2) water samples, E2DN8, E2DN9, E2DP6, E2DP7 and E2DQ2 were collected October 7th and 8th , 2003 and shipped to Southwest laboratory (SWOK) of Oklahoma in Broken Arrow, OK. The lab received the samples on October 9, 2003 in good condition.

As stated in SOW DLM01.4, the samples were extracted within 10 days of the Validated Time of Sample Receipt (VTSR) and the extracts were analyzed within 30 days; therefore, all results are acceptable.

2. SYSTEM PERFORMANCE CHECK AND INSTRUMENT STABILITY

The mass spectrometer was tuned to a resolution of ≥10,000 at 5, 10 and 50% resolution at the beginning of each 12-hour analysis period. The window defining mix (WDM) was analyzed after the Perfluorokerosene (PFK) tune and before any calibration standards to evaluate the mass spectrometer SIM scan descriptor switching times. The GC column-specific Isomer Specificity Check (ISC) solution was used to verify chromatographic resolution. The WDM and ISC were combined in a single Column Performance Solution (CPS). The 12-hour time period began with the injection of the CPS. All samples were analyzed within the twelve hour periods for instrument stability checks.

The retention times of 1234-TCDD for consecutive calibrations were within ± 15 seconds. The chromatographic peak separations between the TCDD isomer pair were resolved with a valley of ≤25% for all calibrations except those conducted on the Ultima instrument on 10/15/03 at 8:30. The chromatographic peak separation on 10/15/03 was 64.1%; therefore all results for 2,3,7,8-TCDD and/or 2,3,7,8-TCDF in all the samples analyzed on 10/15/03 are qualified as estimated, "J" and EDLs are estimated, "UJ". Per section V.E. (pg 15) of the August 2002 Dioxin Data Review, the Task Order Project Officer (TOPO) should be notified to decide on sample reanalysis. There were no memos or e-mails in the package to indicate that the TOPO has been contacted by the Laboratory.

Contractor:	SWOK	Case/SAS:	32243
Site:	Sauget Site N (IL)	SDG:	E2DN8

3. INITIAL CALIBRATION

The initial calibrations were run with five point calibrations. The method calibration range was 0.5 to 2000 ng/mL. The %RSD for the relative response factors (RRFs) of the labeled compounds' standards were within the QC limit of 35%; therefore, the results are acceptable. The %RSD for the relative response factors (RRFs) of the target analytes' standards were within the QC limit of 20%; therefore, the results are acceptable.

Regarding the March 3, 2003 Initial calibration run on the Autospec (Confirmation instrument) - CS1AA reported a signal/noise ratio less than 10 for 2,3,7,8-TCDF; therefore, any EDLs for 2,3,7,8-TCDF in the associated samples (DFBLKA) should be qualified as unacceptable "R".

Regarding the May 24, 2003 Initial calibration run on the Ultima - CS3UH/CPSUH reported a signal/noise ratio less than 10 for 2,3,4,7,8-PeCDF; therefore any EDLs for 2,3,4,7,8-PeCDF in the associated samples (E2DP7, E2DQ2, DFBLK1, DFBLK2 and LCS1) should be qualified as unacceptable "R".

4. CONTINUING CALIBRATION

The %D for the relative response factors (RRFs) of the labeled compounds' standards were within the QC limit of 35%; therefore, the results are acceptable.

All %Ds for the relative response factors (RRFs) of the target analytes' standards above the QC limit of 20% are reported and qualified on the calibration outlier sheets attached to the end of this narrative.

5. METHOD BLANK

DFBLKA is the second column's (Autospec's) confirmatory blank for the soil samples. No analytes were reported for this blank.

DFBLK1 is the Ultima's water method blank and DFBLK2 is the Ultima's soil method blank. DFBLK1 reported the ion ratio for 1,2,3,4,6,7,8-HpCDF outside its QC limits; therefore, the analyte was reported at its Estimated Maximum Possible Concentration (EMPC) / Estimated Detection Level (EDL) of 38.2 ng/Kg (a technical Non-detect).

Contractor:	SWOK	Case/SAS:	32243
Site:	Sauget Site N (IL)	SDG:	E2DN8

Method blank DFBLK1 contained 1,2,3,4,6,7,8-HpCDD at 54.4 pg/L, OCDD at 575 pg/L and OCDF at 120 pg/L. The concentration of 1,2,3,4,6,7,8-HpCDD is over the SOW's CRQL value of 50 pg/L and the concentration of OCDD is more than 3X the SOW's CRQL value of 100 pg/L; therefore, all associated positive sample results and EDLs for these analytes in the associated samples (E2DP7, E2DQ2, LCS1 and LCSD1) are qualified as estimated, "J". The presence of 1,2,3,4,6,7,8-HpCDD in samples E2DP7 and E2DQ2 are elevated to the CRQL value and qualified "U". The presence of OCDF in sample E2DQ2 is elevated to the CRQL value and qualified "U". The concentration of OCDD is above the CRQL but less than 3X the CRQL in samples E2DP7 and E2DQ2; therefore the presence of OCDD is qualified "U". The concentration of OCDF is above the CRQL but less than 3X the CRQL in sample E2DP7 ; therefore the presence of OCDF is qualified "U".

Method blank DFBLK2 contained OCDD at 98.6 ng/Kg and OCDF at 28.0 ng/Kg. The concentration of OCDF is less than 3X the CRQL value of 10.0 mg/Kg and therefore, acceptable. The concentration of OCDD is more than 3X the SOW's CRQL value of 10 ng/Kg; therefore, all associated positive sample results and EDLs for OCDD in the associated samples (E2DN8, E2DN9, E2DP6, LCS2 and LCSD2) are qualified as estimated, "J". OCDD was not qualified as a blank contaminant in any of these samples; therefore all results are acceptable.

Refer to Form IV-HR CDD for the samples associated with each blank.

6. LCS, SPIKE AND DUPLICATE SAMPLES

The laboratory control spike samples were identified as LCS1, LCSD1, LCS2 and LCSD2. The % recovery for OCDD is above the upper QC limit in sample LCS1. The % recovery for 1,2,3,6,7,8-HxCDF is above the upper QC limit in sample LCS2. The %recoveries for 2,3,7,8-TCDF is above the upper QC limit in all four LCS samples and the RPDs were within criteria for all. Therefore, the presence of 2,3,7,8-TCDF in all samples is qualified as estimated "J". The presence of OCDD in all the water samples associated with LCS1 are qualified as estimated "J". The presence of 1,2,3,6,7,8-HxCDF in all the soil samples associated with LCS2 are qualified as estimated "J".

7. TOXICITY EQUIVALENCE SUMMARY AND ISOMER SPECIFICITY

The PCDD/PCDF Toxicity Equivalency Factors (TEF) were properly calculated (Form I-HR CDD-2).

Reviewed by: Allison Harvey - ESAT
Date: November 3, 2003

Contractor:	SWOK	Case/SAS:	32243
Site:	Sauget Site N (IL)	SDG:	E2DN8

TEF values for the water samples were re-calculated to account for the blank contamination and are presented in the following table:

Sample	original TEF	re-calculated TEF
E2DP7	2.018	0.674
E2DQ2	1.2984	0.397

8. INTERNAL STANDARDS AND CLEANUP STANDARDS

The %recovery of the labeled compounds and the cleanup standard were within QC criteria for all samples except E2DN8 and E2DP6; therefore, their results are acceptable.

The %recoveries of 13C-1,2,3,4,6,7,8-HpCDD and 13C-OCDD in samples E2DP6 and E2DN8 were above the QC limit; therefore the presence of the unlabeled compounds in the samples are qualified as estimated, "J". The %recovery of 13C-1,2,3,4,6,7,8-HpCDF in sample E2DP6 was above the QC limit; therefore the presence of the unlabeled compound in the sample is qualified as estimated, "J".

The %recovery of 37Cl-2,3,7,8-TCDD in sample E2DN8 was above the QC limit; no qualification of the results is required.

No reanalysis of the samples was conducted; therefore the Task Order Project Officer (TOPO) should be contacted to initiate reanalysis.

9. FIELD DUPLICATE

Sample E2DN9 is a field duplicate of sample E2DN8. Results are included in sample results table found in Section 12 of this narrative. Results are not qualified based upon the results of the field blank or field duplicate.

10. ANALYTICAL SEQUENCE

All samples were analyzed within holding times and at the proper intervals.

Contractor:	SWOK	Case/SAS:	32243
Site:	Sauget Site N (IL)	SDG:	E2DN8

11. TARGET COMPOUND IDENTIFICATION AND QUANTITATION

The Ultima instrument was used for the Primary analysis and the Autospec instrument was used for the Confirmatory analysis. The results for the samples in this case were properly identified and quantitated.

Second column confirmatory analyses for 2,3,7,8-TCDF were performed for samples E2DN8, E2DN9 and E2DP6. The presence of 2,3,7,8-TCDF was confirmed in all three (3) samples.

All signal/noise ratios for all samples, except sample E2DN9, were > 2.5. The signal/noise ratio is < 2.5 for 1,2,3,7,8,9-HxCDF in sample E2DN9; therefore, its presence in the sample is qualified as estimated "J".

The following samples reported ion abundance ratios outside their respective QC limits; therefore, the results for these analytes in the affected samples are rejected "R".

2,3,7,8-TCDD	E2DN9
2,3,7,8-TCDF	LCS1
2,3,4,7,8-PeCDF	LCS1
2,3,4,6,7,8-HxCDF	E2DN8
1,2,3,4,6,7,8-HpCDF	DFBLK1

12. ADDITIONAL INFORMATION

The following analytes exceeded the instrument's calibration range in the listed samples:

1,2,3,4,7,8-HxCDF	E2DP6
1,2,3,4,6,7,8-HpCDF:	E2DN8, E2DP6
1,2,3,4,6,7,8-HpCDD:	E2DN8, E2DP6
OCDD:	E2DN8, E2DN9, E2DP6
OCDF:	E2DN8, E2DP6

No reanalysis was conducted; therefore, the results for these analytes are qualified as estimated "J".

Reviewed by: Allison Harvey - ESAT
Date: November 3, 2003

Contractor: SWOK
Site: Sauget Site N (IL)

Case/SAS: 32243
SDG: E2DN8

Summary of sample results with qualifications stated in this narrative are presented in the following tables:

Analytes	E2DN8	E2DN9	E2DP6	E2DP7	E2DQ2
	ng/Kg	ng/Kg	ng/Kg	pg/L	pg/L
	df = 1.0	df = 1.0	df = 1.0	df = 1.0	df = 1.0
2378-TCDD	1080 J	R	199 J	UJ	UJ
2378-TCDF	1710 J	1170 J	29700 J	UJ	UJ
12378-PeCDF	2690	717	7670	U	U
12378-PeCDD	5970	357	599	U	U
23478-PeCDF	2430	1110	27700	R	R
123478-HxCDF	26200	9220	242000 J	6.74 J	2.61 J
123678-HxCDF	26100 J	7220 J	72200 J	U	U
123478-HxCDD	18400	676	863	U	U
123678-HxCDD	34600	3550	9580	U	U
123789-HxCDD	35300	1610	2270	U	U
234678-HxCDF	R	331	3850	U	U
123789-HxCDF	796	U	415	U	U
1234678-HpCDF	264000 J	41200	717000 J	U	13.6 J
1234678-HpCDD	873000 J	82200	430000 J	UJ	UJ
1234789-HpCDF	25800	3630	28900	U	U
OCDD	2070000 J	654000 J	1940000 J	UJ	UJ
OCDF	1470000 J	210000	1080000 J	U	U

Reviewed by: Allison Harvey - ESAT
Date: November 3, 2003

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process.

B	Blank contamination.
I	Interference from polychlorinated diphenyl ethers (PCDFEs).
J	The analyte was positively identified; the associated numerical value is the estimated concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
U	Not detected above the Contract Required Quantitation Limit (CRQL).

CDD/CDF CALIL ION OUTLIERS

CASE / SAS #: 32243				CONTRACT LAB: SWOK								SDG: E2DN8							
Instrument: ULTIMA				SITE NAME: SAUGET SITE N (IL)															
Column: DB-5				Initial Calibration				Continuing Calibration				Continuing Calibration				Continuing Calibration			
Date / Time:				05/24/2003 16:38				10/15/2003 08:30				10/15/2003 19:49							
TCL Analytes	Selected Ion Ratio		QC Limits	Mean RRF	RSD	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q
2378-TCDD	320/322		0.65-0.89																
2378-TCDF	304/306		0.65-0.89																
12378-PeCDF	340/342		1.32-1.78																
12378-PeCDD	356/358		1.32-1.78																
23478-PeCDF	340/342		1.32-1.78			1.31	R												
123478-HxCDF	374/376		1.05-1.43																
123678-HxCDF	374/376		1.05-1.43																
123478-HxCDD	390/392		1.05-1.43																
123678-HxCDD	390/392		1.05-1.43																
123789-HxCDD	390/392		1.05-1.43																
234678-HxCDF	374/376		1.05-1.43																
123789-HxCDF	374/376		1.05-1.43																
1234678-HpCDF	408/410		0.88-1.20																
1234678-HpCDD	424/426		0.88-1.20																
1234789-HpCDF	408/410		0.88-1.20																
OCDD	458/460		0.76-1.02																
OCDF	442/444		0.76-1.02	1.088				1.349	24.0		J	1.180							
LABELED COMPOUNDS																			
13C-2378-TCDD	332/334		0.65-0.89																
13C-12378-PeCDD	368/370		1.32-1.78																
13C-123478-HxCDD	402/404		1.05-1.43																
13C-123678-HxCDD	402/404		1.05-1.43																
13C-1234678-HpCDD	436/438		0.88-1.20																
13C-OCDD	470/472		0.76-1.02																

Reviewer's Initials / Date: A. C. Harvey /November 3, 2003

CDD/CDF CAL. .TION OUTLIERS

CASE / SAS #: 32243				CONTRACT LAB: SWOK								SDG: E2DN8							
Instrument: ULTIMA				SITE NAME: SAUGET SITE N (IL)															
Column: DB-5				Initial Calibration				Continuing Calibration				Continuing Calibration				Continuing Calibration			
Date / Time:				05/24/2003 16:38				10/15/2003 08:30				10/15/2003 19:49							
TCL Analytes	Selected Ion Ratio		QC Limits	Mean RRF	RSD	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q
13C-2378-TCDF	316/318		0.65-0.89																
13C-12378-PeCDF	352/354		1.32-1.78																
13C-23478-PeCDF	352/354		1.32-1.78																
13C-123478-HxCDF	384/386		0.43-0.59																
13C-123678-HxCDF	384/386		0.43-0.59																
13C-123789-HxCDF	384/386		0.43-0.59																
13C-234678-HxCDF	384/386		0.43-0.59																
13C-1234678-HpCDF	418/420		0.37-0.51																
13C-1234789-HpCDF	418/420		0.37-0.51																
INTERNAL STANDARDS																			
13C-1234-TCDD	332/334		0.65-0.89																
13C-123789-HxCDD	402/404		1.05-1.43																
37Cl-2,3,7,8-TCDD	332/334		0.65-0.89																

CS1UH	CS3UQ / CPSUQ		
CS2UH	DFBLK1		
CS3UH / CPSUH	DFBLK2		
CS4UH	E2DP7		
CS5UH	LCS1 / LCSD1		
	E2DQ2 E2DP6		
	E2DN8 E2DN9		
	LCS2 / LCSD2		
	CS3UR / CPSUR		

Per National Functional Guidelines (Chlorinated Dioxin/Furan) 8/02 : TCL Analytes; RRs %RSD ≤ 20%, %D ± 20%, (> 40% R) ion ratios ± 15%
Labeled Compounds; RRFs %RSD ≤ 35%, %D ± 35%, (> 50% R)

Reviewer's Initials / Date: A. C. Harvey /November 3, 2003

CDD/CDF CAL. .TION OUTLIERS

CASE / SAS #: 32243				CONTRACT LAB: SWOK								SDG: E2DN8							
Instrument: AUTOSPEC				SITE NAME: SAUGET SITE N (IL)															
Column: DB-5				Initial Calibration				Continuing Calibration				Continuing Calibration				Continuing Ccalibration			
Date / Time:				03/03/2003 05:21				10/21/2003 23:37											
TCL Analytes	Selected Ion Ratio		QC Limits	Mean RRF	RSD	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q
2378-TCDD	320/322		0.65-0.89																
2378-TCDF	304/306		0.65-0.89																
12378-PeCDF	340/342		1.32-1.78																
12378-PeCDD	356/358		1.32-1.78																
23478-PeCDF	340/342		1.32-1.78																
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123789-HxCDF	374/376		1.05-1.43																
1234678-HpCDF	408/410		0.88-1.20																
1234678-HpCDD	424/426		0.88-1.20																
1234789-HpCDF	408/410		0.88-1.20																
OCDD	458/460		0.76-1.02																
OCDF	442/444		0.76-1.02																
LABELED COMPOUNDS																			
13C-2378-TCDD	332/334		0.65-0.89																
13C-12378-PeCDD	368/370		1.32-1.78																
13C-123478-HxCDD	402/404		1.05-1.43																
13C-123678-HxCDD	402/404		1.05-1.43																
13C-1234678-HpCDD	436/438		0.88-1.20																
13C-OCDD	470/472		0.76-1.02																

Reviewer's Initials / Date: A.C. Harvey /November 3, 2003

CDD/CDF CALI ION OUTLIERS

CASE / SAS #: 32243	CONTRACT LAB: SWOK	SDG: E2DN8
Instrument: AUTOSPEC	SITE NAME: SAUGET SITE N (IL)	
Column: DB-5	Initial Calibration / Continuing Calibration	Continuing Calibration / Continuing Ccalibration
Date / Time:	03/03/2003 05:21 / 10/21/2003 23:37	

TCL Analytes	Selected Ion Ratio		QC Limits	Mean RRF	RSD	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q	RRF	%D	Ion Ratio	Q
13C-2378-TCDF	316/318		0.65-0.89																
13C-12378-PeCDF	352/354		1.32-1.78																
13C-23478-PeCDF	352/354		1.32-1.78																
13C-123478-HxCDF	384/386		0.43-0.59																
13C-123678-HxCDF	384/386		0.43-0.59																
13C-123789-HxCDF	384/386		0.43-0.59																
13C-234678-HxCDF	384/386		0.43-0.59																
13C-1234678-HpCDF	418/420		0.37-0.51																
13C-1234789-HpCDF	418/420		0.37-0.51																
INTERNAL STANDARDS																			
13C-1234-TCDD	332/334		0.65-0.89																
13C-123789-HxCDD	402/404		1.05-1.43																
37Cl-2,3,7,8-TCDD	332/334		0.65-0.89																

ISCAB	ISCAM
CS1AA	CS3AM
CS2AA	DFBLKA
CS3AA	E2DN8
CS4AA	E2DN9
CS5AA	E2DP6
	CS3AN

Per National Functional Guidelines (Chlorinated Dioxin/Furan) 9/00 : TCL Analytes; RRs %RSD ≤ 20%, %D ± 20%, (> 40% R) ion ratios ± 15%
Labeled Compounds; RRFs %RSD ≤ 35%, %D ± 35%, (> 50% R)
Q = These flags should be applied to the analytes on the sample data sheets.

Reviewer's Initials / Date: A.C. Harvey /November 3, 2003

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on_____

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

TO: Data User: Tetra Tech / USEPA5

We have reviewed the data for the following case:

SITE NAME: Sauget Site N (IL)

CASE NUMBER: 32243 SDG NUMBER: E2DN8

Number and Type of Samples: 3 Soils / 2 Waters

Sample Numbers: E2DN8, E2DN9, E2DP6, E2DP7, E2DQ2

Laboratory: SWOK Hrs for Review: _____

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

Pace Analytical

Sample Delivery Group (SDG)

TRAFFIC REPORT (TR) COVER SHEET

LAB NAME: Pace Analytical Services, Inc. Project SAS DIOXINS 32243

LAB CODE: PACE CLIENT: USEPA5 SDG# E2DN8 **Data Package**

CONTRACT: 68W02012 DUE: 10/21 12

Samples in SDG

	Client ID	Lab ID	Matrix	Received	Test Codes
1	E2DN8	53356.01	S	10/09/2003	MS789
2	E2DN9	53356.02	S	10/09/2003	MS789
3	E2DP6	53356.03	S	10/09/2003	MS789
4	E2DP7	53356.04	W	10/09/2003	MS789
5	E2DQ2	53356.05	W	10/09/2003	MS789

Sandy Tackett 10/10/03

Sample Custodian Date

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case 32243
Client No:
SDG No: E2DN8

L

Date Shipped:	10/8/2003
Carrier Name:	FedEx
Airbill:	841513029120
Shipped to:	Southwest Labs of Oklahoma, Inc. 1700 West Albany Suite C Broken Arrow OK 74012 (918) 251-2858

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Karen Kirch	10/8/03 1800		10-9-03 11:30
2			
3			
4			

Sampler Signature:

For Lab Use Only
Lab Contract No: 68W00201
Unit Price:
Transfer To:
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
E2DN8	Soil (>12")/ Chad Gibson	M/G	PCDD (21)	5216418 (Ice Only) (1)	SS02	S: 10/7/2003	9:55	
E2DN9	Soil (>12")/ Chad Gibson	M/G	PCDD (21)	5216426 (Ice Only) (1)	SS02D	S: 10/7/2003	9:55	
E2DP6	Soil (>12")/ Chad Gibson	M/G	PCDD (21)	5216479 (Ice Only) (1)	SS03	S: 10/8/2003	11:00	
E2DP7	Ground Water/ Chad Gibson	M/G	PCDD (21)	5216488 (Ice Only), 5216489 (Ice Only) (2)	GW06	S: 10/8/2003	10:25	
* E2DQ2	Ground Water/ Chad Gibson	M/G	PCDD (21)	5216539 (Ice Only), 5216540 (Ice Only) (2)	GW09	S: 10/8/2003	12:30	

E2DN8

*SDG Final Sample

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5.2°	Chain of Custody Seal Number: 83048, 83049
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y
PCDD = Dioxins and Furans				

TR Number: 5-515281857-100803-0002

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

SOUTHWEST LABORATORY OF OKLAHOMA
1700 West Albany, Suite A / Broken Arrow, OK 74012
918-251-2858

SDG NARRATIVE
October 23, 2003

CLIENT:	USEPA5
CASE NO.:	32243
SDG NO.:	E2ND8
EPISODE NO.:	53356
SAMPLE NO.:	E2DN8, E2DN9, E2DP6, E2DP7, E2DQ2
TASK NO.:	0005
CONTRACT NO:	68W02012

All samples were extracted and analyzed per method DLM01.4. All soil samples had high levels of Dioxins. The soil samples were extracted using 1 g volume. The extract was concentrated to 10 mls. 1 ml of diluted extract was spiked with labeled compounds. This extract was washed with acid/base followed by silica gel and alumina cleanup. Sample volume was changed to 0.1 g for data processing.

Blank: OCDD and OCDF were detected in soil and water blank due to cross contamination from high level samples.

Matrix Spike/Lab Control Spike: MS/MSD is not required per method. TCDF and OCDD had high recovery in LCS and LCSD. No action was taken.

2,3,7,8-TCDF Confirmations: 2,3,7,8- TCDF was confirmed by a second column analyses.

Note: All manual integration's in this data package have been performed for one of the following reasons:

a. Data system missed peak during acquisition.
b. Data system improperly integrated peak.

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.

Jayant Shringarpure, Ph.D.
Technical Director
st

October 23, 2003

PACE ANALYTICAL SERVICES
HIGH RESOLUTION GC/MS LABORATORY

LABORATORY CONTROL SPIKE/SPIKE DUPLICATE RECOVERY

REPORT DATE: 10/20/03

LCS FILE ID: U2987_12.D
LCS LAB ID: LC1010WA
MATRIX: WATER
LCS DATE ANALYZED: 10/15/03

LCSD FILE ID: U2987_13.D
LCSD LAB ID: LD1010WA
METHOD: 1613
LCSD DATE ANALYZED: 10/15/03

PARAMETER	LCS SPIKE (PG/L)	LCS % REC.	LCSD % REC.	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
2,3,7,8-TCDD	200	107	109	2	50	67-158
1,2,3,7,8-PeCDD	1000	96	97	1	50	70-142
1,2,3,4,7,8-HxCDD	1000	117	119	2	50	70-164
1,2,3,6,7,8-HxCDD	1000	120	124	3	50	76-134
1,2,3,7,8,9-HxCDD	1000	113	120	6	50	64-162
1,2,3,4,6,7,8-HpCDD	1000	123	119	3	50	70-140
OCDD	2000	151*	140	7	50	78-144
2,3,7,8-TCDF	200	184*	188*	2	50	75-158
1,2,3,7,8-PeCDF	1000	117	116	1	50	80-134
2,3,4,7,8-PeCDF	1000	117	118	1	50	68-160
1,2,3,4,7,8-HxCDF	1000	113	114	1	50	72-134
1,2,3,6,7,8-HxCDF	1000	118	123	4	50	84-130
2,3,4,6,7,8-HxCDF	1000	109	115	5	50	70-156
1,2,3,7,8,9-HxCDF	1000	115	118	2	50	78-130
1,2,3,4,6,7,8-HpCDF	1000	117	116	1	50	82-132
1,2,3,4,7,8,9-HpCDF	1000	125	128	2	50	78-138
OCDF	2000	126	124	1	50	63-170

* = VALUE OUTSIDE OF QC LIMITS

PACE ANALYTICAL SERVICES
HIGH RESOLUTION GC/MS LABORATORY

LABORATORY CONTROL SPIKE/SPIKE DUPLICATE RECOVERY

REPORT DATE: 10/20/03

LCS FILE ID: U2987_10.D
LCS LAB ID: LC1013SA
MATRIX: SOIL
LCS DATE ANALYZED: 10/15/03

LCSD FILE ID: U2987_11.D
LCSD LAB ID: LD1013SA
METHOD: 1613
LCSD DATE ANALYZED: 10/15/03

PARAMETER	LCS SPIKE (NG/KG)	LCS % REC.	LCSD % REC.	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
2,3,7,8-TCDD	200	123	115	7	50	67-158
1,2,3,7,8-PeCDD	1000	101	104	3	50	70-142
1,2,3,4,7,8-HxCDD	1000	133	126	6	50	70-164
1,2,3,6,7,8-HxCDD	1000	129	126	2	50	76-134
1,2,3,7,8,9-HxCDD	1000	120	115	4	50	64-162
1,2,3,4,6,7,8-HpCDD	1000	127	128	1	50	70-140
OCDD	2000	144	140	3	50	78-144
2,3,7,8-TCDF	200	202*	191*	5	50	75-158
1,2,3,7,8-PeCDF	1000	124	125	0	50	80-134
2,3,4,7,8-PeCDF	1000	127	128	1	50	68-160
1,2,3,4,7,8-HxCDF	1000	121	123	1	50	72-134
1,2,3,6,7,8-HxCDF	1000	133*	129	3	50	84-130
2,3,4,6,7,8-HxCDF	1000	121	119	2	50	70-156
1,2,3,7,8,9-HxCDF	1000	123	128	4	50	78-130
1,2,3,4,6,7,8-HpCDF	1000	125	124	0	50	82-132
1,2,3,4,7,8,9-HpCDF	1000	133	133	0	50	78-138
OCDF	2000	149	140	6	50	63-170

* = VALUE OUTSIDE OF QC LIMITS

USEPA

4DF
CDD/CDF METHOD BLANK SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

DFBLKA

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 T.O. No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: BL1013SA

Water Sample Prep: _____ (SEPF/SPE) Lab File ID: A3105_07.D

GC Column: DB-5 ID: 0.25 (mm) Date Extracted: 10/13/2003

Instrument ID: Autospec Date Analyzed: 10/22/2003

THIS METHOD BLANK APPLIES TO THE LABORATORY CONTROL SAMPLES (LCSs).

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E2DN8	53356.01	A3105_08.D	10/22/2003
E2DN9	53356.02	A3105_09.D	10/22/2003
E2DP6	53356.03	A3105_10.D	10/22/2003

USEPA

4DF
CDD/CDF METHOD BLANK SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

DFBLK1

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 T.O. No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: BL1010WA

Water Sample Prep: SEP F (SEPF/SPE) Lab File ID: U2987_02.D

GC Column: DB-5 ID: 0.25 (mm) Date Extracted: 10/10/2003

Instrument ID: Ultima Date Analyzed: 10/15/2003

THIS METHOD BLANK APPLIES TO THE LABORATORY CONTROL SAMPLES (LCSs).

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E2DP7	53356.04	U2987_04.D	10/15/2003
E2DQ2	53356.05	U2987_05.D	10/15/2003
LCS1	LC1010WA	U2987_12.D	10/15/2003
LCSD1	LD1010WA	U2987_13.D	10/15/2003

USEPA

4DF
CDD/CDF METHOD BLANK SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

DFBLK2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 T.O. No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: BL1013SA

Water Sample Prep: _____ (SEPF/SPE) Lab File ID: U2987_03.D

GC Column: DB-5 ID: 0.25 (mm) Date Extracted: 10/13/2003

Instrument ID: Ultima Date Analyzed: 10/15/2003

THIS METHOD BLANK APPLIES TO THE LABORATORY CONTROL SAMPLES (LCSs).

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E2DN8	53356.01	U2987_06.D	10/15/2003
E2DN9	53356.02	U2987_07.D	10/15/2003
E2DP6	53356.03	U2987_08.D	10/15/2003
LCS2	LC1013SA	U2987_10.D	10/15/2003
LCSD2	LD1013SA	U2987_11.D	10/15/2003

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

DFBLK1

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: BL1010WA

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_02.D
Water Sample Prep: SEP F (SEPF/SPE) Date Received: _____
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003
Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322				U	1.90
2378-TCDF	304/306				U	2.52
12378-PeCDF	340/342				U	1.31
12378-PeCDD	356/358				U	1.84
23478-PeCDF	340/342				U	1.19
123478-HxCDF	374/376				U	1.43
123678-HxCDF	374/376				U	1.41
123478-HxCDD	390/392				U	2.08
123678-HxCDD	390/392				U	1.89
123789-HxCDD	390/392				U	2.08
234678-HxCDF	374/376				U	1.46
123789-HxCDF	374/376				U	1.66
1234678-HpCDF	408/410	39.00	0.78 *			38.2
1234678-HpCDD	424/426	39.92	1.05	54.4		
1234789-HpCDF	408/410				U	1.63
OCDD	458/460	42.76	0.83	575		
OCDF	442/444	42.87	0.84	120		

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.37	0.81	0.65-0.89	81	25-164
13C-12378-PeCDD	368/370	32.50	1.62	1.32-1.78	108	25-181
13C-123478-HxCDD	402/404	36.66	1.26	1.05-1.43	94	32-141
13C-123678-HxCDD	402/404	36.75	1.26	1.05-1.43	96	28-130
13C-1234678-HpCDD	436/438	39.92	1.07	0.88-1.20	81	23-140
13C-OCDD	470/472	42.75	0.93	0.76-1.02	74	17-157
13C-2378-TCDF	316/318	24.38	0.85	0.65-0.89	55	24-169
13C-12378-PeCDF	352/354	30.81	1.57	1.32-1.78	111	24-185
13C-23478-PeCDF	352/354	31.97	1.56	1.32-1.78	107	21-178
13C-123478-HxCDF	384/386	35.73	0.54	0.43-0.59	101	26-152
13C-123678-HxCDF	384/386	35.86	0.51	0.43-0.59	101	26-123
13C-123789-HxCDF	384/386	37.27	0.52	0.43-0.59	105	29-147
13C-234678-HxCDF	384/386	36.48	0.53	0.43-0.59	99	28-136
13C-1234678-HpCDF	418/420	38.98	0.44	0.37-0.51	103	28-143
13C-1234789-HpCDF	418/420	40.27	0.42	0.37-0.51	88	26-138
37Cl-2378-TCDD	328/NA	25.37	NA	NA	90	35-197

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

DFBLK1

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: BL1010WA

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_02.D

Water Sample Prep: SEP F (SEPF/SPE) Date Received: _____

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003

Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	0.0	x 1.0 =	0.0
2378-TCDF	0.0	x 0.1 =	0.0
12378-PeCDF	0.0	x 0.05 =	0.0
12378-PeCDD	0.0	x 0.5 =	0.0
23478-PeCDF	0.0	x 0.5 =	0.0
123478-HxCDF	0.0	x 0.1 =	0.0
123678-HxCDF	0.0	x 0.1 =	0.0
123478-HxCDD	0.0	x 0.1 =	0.0
123678-HxCDD	0.0	x 0.1 =	0.0
123789-HxCDD	0.0	x 0.1 =	0.0
234678-HxCDF	0.0	x 0.1 =	0.0
123789-HxCDF	0.0	x 0.1 =	0.0
1234678-HpCDF	0.0	x 0.01 =	0.0
1234678-HpCDD	54.4	x 0.01 =	0.544
1234789-HpCDF	0.0	x 0.01 =	0.0
OCDD	575	x 0.001 =	0.575
OCDF	120	x 0.001 =	0.12
		Total =	1.239

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

DFBLK2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: BL1013SA

Sample wt/vol: 1.0 (g/ml) G Lab File ID: U2987_03.D
Water Sample Prep: _____ (SEPF/SPE) Date Received: _____
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003
Injection Volume: 1 (uL) % Solid/Lipids: 100 Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322				U	1.82
2378-TCDF	304/306				U	2.07
12378-PeCDF	340/342				U	0.988
12378-PeCDD	356/358				U	1.87
23478-PeCDF	340/342				U	1.00
123478-HxCDF	374/376				U	0.949
123678-HxCDF	374/376				U	0.915
123478-HxCDD	390/392				U	1.99
123678-HxCDD	390/392				U	1.89
123789-HxCDD	390/392				U	2.00
234678-HxCDF	374/376				U	1.09
123789-HxCDF	374/376				U	1.20
1234678-HpCDF	408/410				U	1.34
1234678-HpCDD	424/426				U	2.09
1234789-HpCDF	408/410				U	1.94
OCDD	458/460	42.75	0.89	98.6		
OCDF	442/444	42.85	0.83	28.0		

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.36	0.82	0.65-0.89	85	25-164
13C-12378-PeCDD	368/370	32.50	1.63	1.32-1.78	102	25-181
13C-123478-HxCDD	402/404	36.65	1.28	1.05-1.43	90	32-141
13C-123678-HxCDD	402/404	36.74	1.28	1.05-1.43	97	28-130
13C-1234678-HpCDD	436/438	39.93	1.05	0.88-1.20	95	23-140
13C-OCDD	470/472	42.74	0.93	0.76-1.02	81	17-157
13C-2378-TCDF	316/318	24.38	0.86	0.65-0.89	56	24-169
13C-12378-PeCDF	352/354	30.83	1.59	1.32-1.78	110	24-185
13C-23478-PeCDF	352/354	31.97	1.57	1.32-1.78	97	21-178
13C-123478-HxCDF	384/386	35.73	0.53	0.43-0.59	103	26-152
13C-123678-HxCDF	384/386	35.85	0.53	0.43-0.59	102	26-123
13C-123789-HxCDF	384/386	37.28	0.53	0.43-0.59	103	29-147
13C-234678-HxCDF	384/386	36.48	0.53	0.43-0.59	90	28-136
13C-1234678-HpCDF	418/420	38.98	0.44	0.37-0.51	111	28-143
13C-1234789-HpCDF	418/420	40.27	0.43	0.37-0.51	99	26-138
37Cl-2378-TCDD	328/NA	25.37	NA	NA	90	35-19

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.
DFBLK2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: BL1013SA

Sample wt/vol: 1.0 (g/ml) G Lab File ID: U2987_03.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: _____

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 100 Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	0.0	x 1.0 =	0.0
2378-TCDF	0.0	x 0.1 =	0.0
12378-PeCDF	0.0	x 0.05 =	0.0
12378-PeCDD	0.0	x 0.5 =	0.0
23478-PeCDF	0.0	x 0.5 =	0.0
123478-HxCDF	0.0	x 0.1 =	0.0
123678-HxCDF	0.0	x 0.1 =	0.0
123478-HxCDD	0.0	x 0.1 =	0.0
123678-HxCDD	0.0	x 0.1 =	0.0
123789-HxCDD	0.0	x 0.1 =	0.0
234678-HxCDF	0.0	x 0.1 =	0.0
123789-HxCDF	0.0	x 0.1 =	0.0
1234678-HpCDF	0.0	x 0.01 =	0.0
1234678-HpCDD	0.0	x 0.01 =	0.0
1234789-HpCDF	0.0	x 0.01 =	0.0
OCDD	98.6	x 0.001 =	0.0986
OCDF	28	x 0.001 =	0.028
		Total =	0.1266

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

USEPA

1DFC
CDF SECOND COLUMN CONFIRMATION
HIGH RESOLUTION

EPA SAMPLE NO.

DFBLKA

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: BL1013SA

Sample wt/vol: 1.0 (g/ml) G Lab File ID: A3105_07.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: _____

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 100 Date Analyzed: 10/22/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDF	304/306				U	8.68

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weightbasis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDF	316/318	23.50	0.81	0.65-0.89	46	24-169
37Cl-2378-TCDD	328/NA		NA	NA	0 *	35-197

Column to be used to flag values outside Quality Control (QC) limits.

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

E2DN8

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.01

Sample wt/vol: 0.1 (g/ml) G Lab File ID: U2987_06.D
Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003
Injection Volume: 1 (uL) % Solid/Lipids: 79 Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322	25.38	0.66	1080		
2378-TCDF	304/306	24.43	0.66	1710		
12378-PeCDF	340/342	30.85	1.41	2690		
12378-PeCDD	356/358	32.53	1.60	5970		
23478-PeCDF	340/342	31.99	1.35	2430		
123478-HxCDF	374/376	35.75	1.14	26200		
123678-HxCDF	374/376	35.81	1.16	26100	I	
123478-HxCDD	390/392	36.67	1.28	18400		
123678-HxCDD	390/392	36.77	1.29	34600		
123789-HxCDD	390/392	37.09	1.25	35300		
234678-HxCDF	374/376	36.49	0.93 *			2230
123789-HxCDF	374/376	37.28	1.39	796		
1234678-HpCDF	408/410	39.00	0.93	264000	E	
1234678-HpCDD	424/426	39.95	1.07	873000	E	
1234789-HpCDF	408/410	40.29	0.98	25800		
OCDD	458/460	42.77	0.98	2070000	EB	
OCDF	442/444	42.90	0.92	1470000	EB	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.38	0.82	0.65-0.89	155	25-164
13C-12378-PeCDD	368/370	32.51	1.68	1.32-1.78	109	25-181
13C-123478-HxCDD	402/404	36.66	1.26	1.05-1.43	93	32-141
13C-123678-HxCDD	402/404	36.75	1.29	1.05-1.43	98	28-130
13C-1234678-HpCDD	436/438	39.94	1.08	0.88-1.20	153 *	23-140
13C-OCDD	470/472	42.81	0.92	0.76-1.02	256 *	17-157
13C-2378-TCDF	316/318	24.38	0.83	0.65-0.89	64	24-169
13C-12378-PeCDF	352/354	30.83	1.55	1.32-1.78	118	24-185
13C-23478-PeCDF	352/354	31.97	1.56	1.32-1.78	97	21-178
13C-123478-HxCDF	384/386	35.74	0.53	0.43-0.59	115	26-152
13C-123678-HxCDF	384/386	35.86	0.55	0.43-0.59	104	26-123
13C-123789-HxCDF	384/386	37.28	0.54	0.43-0.59	112	29-147
13C-234678-HxCDF	384/386	36.49	0.54	0.43-0.59	97	28-136
13C-1234678-HpCDF	418/420	38.99	0.44	0.37-0.51	137	28-143
13C-1234789-HpCDF	418/420	40.28	0.44	0.37-0.51	108	26-138
37Cl-2378-TCDD	328/NA	25.38	NA	NA	216 *	35-197

Column to be used to flag values outside QC limits

4

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.
E2DN8

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.01

Sample wt/vol: 0.1 (g/ml) G Lab File ID: U2987_06.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 79 Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	1080	x 1.0 =	1080
2378-TCDF	1710	x 0.1 =	171
12378-PeCDF	2690	x 0.05 =	134.5
12378-PeCDD	5970	x 0.5 =	2985
23478-PeCDF	2430	x 0.5 =	1215
123478-HxCDF	26200	x 0.1 =	2620
123678-HxCDF	26100	x 0.1 =	2610
123478-HxCDD	18400	x 0.1 =	1840
123678-HxCDD	34600	x 0.1 =	3460
123789-HxCDD	35300	x 0.1 =	3530
234678-HxCDF	0.0	x 0.1 =	0.0
123789-HxCDF	796	x 0.1 =	79.6
1234678-HpCDF	264000	x 0.01 =	2640
1234678-HpCDD	873000	x 0.01 =	8730
1234789-HpCDF	25800	x 0.01 =	258
OCDD	2.07e+006	x 0.001 =	2070
OCDF	1.47e+006	x 0.001 =	1470
		Total =	34893.1

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

USEPA

1DFC
CDF SECOND COLUMN CONFIRMATION
HIGH RESOLUTION

EPA SAMPLE NO.

E2DN8

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.01

Sample wt/vol: 0.1 (g/ml) G Lab File ID: A3105_08.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 79 Date Analyzed: 10/22/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDF	304/306	23.52	0.85	893		

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weightbasis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDF	316/318	23.47	0.78	0.65-0.89	53	24-169
37Cl-2378-TCDD	328/NA		NA	NA	0 *	35-197

Column to be used to flag values outside Quality Control (QC) limits.

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

E2DN9

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.02

Sample wt/vol: 0.1 (g/ml) G Lab File ID: U2987_07.D
Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003
Injection Volume: 1 (uL) % Solid/Lipids: 80 Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322	25.40	0.51 *			182
2378-TCDF	304/306	24.45	0.68	1170		
12378-PeCDF	340/342	30.87	1.38	717	I	
12378-PeCDD	356/358	32.51	1.44	357		
23478-PeCDF	340/342	32.00	1.47	1110		
123478-HxCDF	374/376	35.75	1.08	9220		
123678-HxCDF	374/376	35.81	1.11	7220	I	
123478-HxCDD	390/392	36.67	1.16	676		
123678-HxCDD	390/392	36.78	1.30	3550		
123789-HxCDD	390/392	37.08	1.39	1610		
234678-HxCDF	374/376	36.49	1.20	331		
123789-HxCDF	374/376				U	31.4
1234678-HpCDF	408/410	38.99	0.91	41200		
1234678-HpCDD	424/426	39.95	1.06	82200		
1234789-HpCDF	408/410	40.29	0.94	3630		
OCDD	458/460	42.77	0.91	654000	EB	
OCDF	442/444	42.87	0.82	210000	B	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.38	0.81	0.65-0.89	130	25-164
13C-12378-PeCDD	368/370	32.51	1.63	1.32-1.78	100	25-181
13C-123478-HxCDD	402/404	36.66	1.30	1.05-1.43	85	32-141
13C-123678-HxCDD	402/404	36.77	1.24	1.05-1.43	88	28-130
13C-1234678-HpCDD	436/438	39.94	1.07	0.88-1.20	102	23-140
13C-OCDD	470/472	42.76	0.91	0.76-1.02	112	17-157
13C-2378-TCDF	316/318	24.39	0.87	0.65-0.89	53	24-169
13C-12378-PeCDF	352/354	30.84	1.57	1.32-1.78	109	24-185
13C-23478-PeCDF	352/354	31.97	1.55	1.32-1.78	89	21-178
13C-123478-HxCDF	384/386	35.74	0.54	0.43-0.59	103	26-152
13C-123678-HxCDF	384/386	35.86	0.55	0.43-0.59	93	26-123
13C-123789-HxCDF	384/386	37.28	0.52	0.43-0.59	99	29-147
13C-234678-HxCDF	384/386	36.49	0.52	0.43-0.59	84	28-136
13C-1234678-HpCDF	418/420	38.99	0.45	0.37-0.51	116	28-143
13C-1234789-HpCDF	418/420	40.28	0.43	0.37-0.51	92	26-138
37Cl-2378-TCDD	328/NA	25.40	NA	NA	195	35-197

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.
E2DN9

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.02

Sample wt/vol: 0.1 (g/ml) G Lab File ID: U2987_07.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 80 Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	0.0	x 1.0 =	0.0
2378-TCDF	1170	x 0.1 =	117
12378-PeCDF	717	x 0.05 =	35.85
12378-PeCDD	357	x 0.5 =	178.5
23478-PeCDF	1110	x 0.5 =	555
123478-HxCDF	9220	x 0.1 =	922
123678-HxCDF	7220	x 0.1 =	722
123478-HxCDD	676	x 0.1 =	67.6
123678-HxCDD	3550	x 0.1 =	355
123789-HxCDD	1610	x 0.1 =	161
234678-HxCDF	331	x 0.1 =	33.1
123789-HxCDF	0.0	x 0.1 =	0.0
1234678-HpCDF	41200	x 0.01 =	412
1234678-HpCDD	82200	x 0.01 =	822
1234789-HpCDF	3630	x 0.01 =	36.3
OCDD	654000	x 0.001 =	654
OCDF	210000	x 0.001 =	210
		Total =	5281.35

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

USEPA

1DFC
CDF SECOND COLUMN CONFIRMATION
HIGH RESOLUTION

EPA SAMPLE NO.

E2DN9

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.02

Sample wt/vol: 0.1 (g/ml) G Lab File ID: A3105_09.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 80 Date Analyzed: 10/22/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDF	304/306	23.51	0.77	585		

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weightbasis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDF	316/318	23.47	0.80	0.65-0.89	46	24-169
37Cl-2378-TCDD	328/NA		NA	NA	0 *	35-197

Column to be used to flag values outside Quality Control (QC) limits.

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

E2DP6

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.03

Sample wt/vol: 0.1 (g/ml) G Lab File ID: U2987_08.D
Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003
Injection Volume: 1 (uL) % Solid/Lipids: 82 Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322	25.39	0.75	199		
2378-TCDF	304/306	24.43	0.66	29700		
12378-PeCDF	340/342	30.86	1.35	7670	I	
12378-PeCDD	356/358	32.52	1.68	599		
23478-PeCDF	340/342	31.99	1.32	27700	I	
123478-HxCDF	374/376	35.76	1.11	242000	E	
123678-HxCDF	374/376	35.83	1.13	72200	I	
123478-HxCDD	390/392	36.67	1.19	863		
123678-HxCDD	390/392	36.78	1.24	9580		
123789-HxCDD	390/392	37.08	1.08	2270		
234678-HxCDF	374/376	36.51	1.12	3850		
123789-HxCDF	374/376	37.29	1.18	415		
1234678-HpCDF	408/410	39.00	0.94	717000	E	
1234678-HpCDD	424/426	39.95	1.05	430000	E	
1234789-HpCDF	408/410	40.29	0.94	28900		
OCDD	458/460	42.76	0.98	1940000	EB	
OCDF	442/444	42.92	0.88	1080000	EB	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.37	0.82	0.65-0.89	92	25-164
13C-12378-PeCDD	368/370	32.51	1.65	1.32-1.78	99	25-181
13C-123478-HxCDD	402/404	36.66	1.29	1.05-1.43	80	32-141
13C-123678-HxCDD	402/404	36.76	1.28	1.05-1.43	84	28-130
13C-1234678-HpCDD	436/438	39.94	1.07	0.88-1.20	148 *	23-140
13C-OCDD	470/472	42.81	0.93	0.76-1.02	269 *	17-157
13C-2378-TCDF	316/318	24.39	0.85	0.65-0.89	51	24-169
13C-12378-PeCDF	352/354	30.84	1.56	1.32-1.78	98	24-185
13C-23478-PeCDF	352/354	31.97	1.58	1.32-1.78	85	21-178
13C-123478-HxCDF	384/386	35.74	0.53	0.43-0.59	111	26-152
13C-123678-HxCDF	384/386	35.86	0.53	0.43-0.59	93	26-123
13C-123789-HxCDF	384/386	37.29	0.53	0.43-0.59	143	29-147
13C-234678-HxCDF	384/386	36.50	0.52	0.43-0.59	112	28-136
13C-1234678-HpCDF	418/420	38.99	0.45	0.37-0.51	191 *	28-143
13C-1234789-HpCDF	418/420	40.29	0.44	0.37-0.51	118	26-138
37Cl-2378-TCDD	328/NA	25.39	NA	NA	107	35-197

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

E2DP6

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.03

Sample wt/vol: 0.1 (g/ml) G Lab File ID: U2987_08.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 82 Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	199	x 1.0 =	199
2378-TCDF	29700	x 0.1 =	2970
12378-PeCDF	7670	x 0.05 =	383.5
12378-PeCDD	599	x 0.5 =	299.5
23478-PeCDF	27700	x 0.5 =	13850
123478-HxCDF	242000	x 0.1 =	24200
123678-HxCDF	72200	x 0.1 =	7220
123478-HxCDD	863	x 0.1 =	86.3
123678-HxCDD	9580	x 0.1 =	958
123789-HxCDD	2270	x 0.1 =	227
234678-HxCDF	3850	x 0.1 =	385
123789-HxCDF	415	x 0.1 =	41.5
1234678-HpCDF	717000	x 0.01 =	7170
1234678-HpCDD	430000	x 0.01 =	4300
1234789-HpCDF	28900	x 0.01 =	289
OCDD	1.94e+006	x 0.001 =	1940
OCDF	1.08e+006	x 0.001 =	1080
		Total =	65598.8

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

USEPA

1DFC
CDF SECOND COLUMN CONFIRMATION
HIGH RESOLUTION

EPA SAMPLE NO.

E2DP6

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: 53356.03

Sample wt/vol: 0.1 (g/ml) G Lab File ID: A3105_10.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 82 Date Analyzed: 10/22/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDF	304/306	23.53	0.78	20700		

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weightbasis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDF	316/318	23.47	0.79	0.65-0.89	43	24-169
37Cl-2378-TCDD	328/NA		NA	NA	0 *	35-197

Column to be used to flag values outside Quality Control (QC) limits.

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.
E2DP7

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: 53356.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_04.D
Water Sample Prep: SEP F (SEPF/SPE) Date Received: 10/09/2003
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003
Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

ACA 11-2-03

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322				U	1.63
2378-TCDF	304/306				U	1.52
12378-PeCDF	340/342				U	1.14
12378-PeCDD	356/358				U	1.59
23478-PeCDF	340/342				U	0.991
123478-HxCDF	374/376	35.73	1.12	6.74	J	
123678-HxCDF	374/376				U	0.853
123478-HxCDD	390/392				U	1.80
123678-HxCDD	390/392				U	1.72
123789-HxCDD	390/392				U	1.81
234678-HxCDF	374/376				U	0.913
123789-HxCDF	374/376				U	0.986
1234678-HpCDF	408/410	38.99	0.94	50 ~~31.4~~	BJ U	
1234678-HpCDD	424/426	39.93	0.95	50 ~~40.3~~	BJ U	
1234789-HpCDF	408/410				U	1.01
OCDD	458/460	42.75	0.89	503	B U	
OCDF	442/444	42.86	0.79	124	B U	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.37	0.81	0.65-0.89	68	25-164
13C-12378-PeCDD	368/370	32.50	1.70	1.32-1.78	84	25-181
13C-123478-HxCDD	402/404	36.65	1.28	1.05-1.43	72	32-141
13C-123678-HxCDD	402/404	36.74	1.32	1.05-1.43	78	28-130
13C-1234678-HpCDD	436/438	39.93	1.06	0.88-1.20	70	23-140
13C-OCDD	470/472	42.74	0.92	0.76-1.02	64	17-157
13C-2378-TCDF	316/318	24.38	0.85	0.65-0.89	44	24-169
13C-12378-PeCDF	352/354	30.82	1.58	1.32-1.78	86	24-185
13C-23478-PeCDF	352/354	31.96	1.56	1.32-1.78	85	21-178
13C-123478-HxCDF	384/386	35.73	0.53	0.43-0.59	83	26-152
13C-123678-HxCDF	384/386	35.85	0.52	0.43-0.59	81	26-123
13C-123789-HxCDF	384/386	37.27	0.53	0.43-0.59	85	29-147
13C-234678-HxCDF	384/386	36.48	0.53	0.43-0.59	72	28-136
13C-1234678-HpCDF	418/420	38.98	0.43	0.37-0.51	89	28-143
13C-1234789-HpCDF	418/420	40.27	0.43	0.37-0.51	76	26-138
37Cl-2378-TCDD	328/NA	25.39	NA	NA	78	35-197

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

E2DP7

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: 53356.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_04.D

Water Sample Prep: SEP F (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003

Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	0.0	x 1.0 =	0.0
2378-TCDF	0.0	x 0.1 =	0.0
12378-PeCDF	0.0	x 0.05 =	0.0
12378-PeCDD	0.0	x 0.5 =	0.0
23478-PeCDF	0.0	x 0.5 =	0.0
123478-HxCDF	6.74	x 0.1 =	0.674
123678-HxCDF	0.0	x 0.1 =	0.0
123478-HxCDD	0.0	x 0.1 =	0.0
123678-HxCDD	0.0	x 0.1 =	0.0
123789-HxCDD	0.0	x 0.1 =	0.0
234678-HxCDF	0.0	x 0.1 =	0.0
123789-HxCDF	0.0	x 0.1 =	0.0
1234678-HpCDF	31.4	x 0.01 =	~~0.314~~
1234678-HpCDD	40.3	x 0.01 =	~~0.403~~
1234789-HpCDF	0.0	x 0.01 =	0.0
OCDD	503	x 0.001 =	~~0.503~~
OCDF	124	x 0.001 =	~~0.124~~
		Total =	~~2.018~~ 0.674

ACH 11-2-03

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

E2DQ2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: 53356.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_05.D
Water Sample Prep: SEP F (SEPF/SPE) Date Received: 10/09/2003
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003
Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

ACH 11-2-03

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322				U	0.962
2378-TCDF	304/306				U	1.30
12378-PeCDF	340/342				U	0.800
12378-PeCDD	356/358				U	1.08
23478-PeCDF	340/342				U	0.736
123478-HxCDF	374/376	35.73	1.10	2.61	J	
123678-HxCDF	374/376				U	1.05
123478-HxCDD	390/392				U	1.59
123678-HxCDD	390/392				U	1.55
123789-HxCDD	390/392				U	1.59
234678-HxCDF	374/376				U	1.06
123789-HxCDF	374/376				U	1.14
1234678-HpCDF	408/410	39.00	1.02	13.6	BJ	
1234678-HpCDD	424/426	39.95	1.10	50 ~~39.6~~	BJ u	
1234789-HpCDF	408/410				U	0.984
OCDD	458/460	42.76	0.91	445	B u	
OCDF	442/444	42.87	0.90	100 ~~60.4~~	BJ u	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.37	0.82	0.65-0.89	85	25-164
13C-12378-PeCDD	368/370	32.51	1.63	1.32-1.78	107	25-181
13C-123478-HxCDD	402/404	36.66	1.29	1.05-1.43	88	32-141
13C-123678-HxCDD	402/404	36.75	1.29	1.05-1.43	94	28-130
13C-1234678-HpCDD	436/438	39.92	1.06	0.88-1.20	87	23-140
13C-OCDD	470/472	42.75	0.94	0.76-1.02	77	17-157
13C-2378-TCDF	316/318	24.38	0.86	0.65-0.89	54	24-169
13C-12378-PeCDF	352/354	30.82	1.58	1.32-1.78	106	24-185
13C-23478-PeCDF	352/354	31.97	1.56	1.32-1.78	102	21-178
13C-123478-HxCDF	384/386	35.74	0.52	0.43-0.59	101	26-152
13C-123678-HxCDF	384/386	35.85	0.52	0.43-0.59	97	26-123
13C-123789-HxCDF	384/386	37.28	0.54	0.43-0.59	99	29-147
13C-234678-HxCDF	384/386	36.49	0.53	0.43-0.59	94	28-136
13C-1234678-HpCDF	418/420	38.98	0.44	0.37-0.51	100	28-143
13C-1234789-HpCDF	418/420	40.27	0.43	0.37-0.51	89	26-138
37Cl-2378-TCDD	328/NA	25.38	NA	NA	94	35-197

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.
E2DQ2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: 53356.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_05.D

Water Sample Prep: SEP F (SEPF/SPE) Date Received: 10/09/2003

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003

Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	0.0	x 1.0 =	0.0
2378-TCDF	0.0	x 0.1 =	0.0
12378-PeCDF	0.0	x 0.05 =	0.0
12378-PeCDD	0.0	x 0.5 =	0.0
23478-PeCDF	0.0	x 0.5 =	0.0
123478-HxCDF	2.61	x 0.1 =	0.261
123678-HxCDF	0.0	x 0.1 =	0.0
123478-HxCDD	0.0	x 0.1 =	0.0
123678-HxCDD	0.0	x 0.1 =	0.0
123789-HxCDD	0.0	x 0.1 =	0.0
234678-HxCDF	0.0	x 0.1 =	0.0
123789-HxCDF	0.0	x 0.1 =	0.0
1234678-HpCDF	13.6	x 0.01 =	0.136
1234678-HpCDD	39.6	x 0.01 =	~~0.396~~
1234789-HpCDF	0.0	x 0.01 =	0.0
OCDD	445	x 0.001 =	~~0.445~~
OCDF	60.4	x 0.001 =	~~0.0604~~
		Total =	~~1.2984~~ 0.397

ACH 11-2-03

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

USEPA

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

LCS1

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: LC1010WA

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_12.D
Water Sample Prep: SEP F (SEPF/SPE) Date Received: _____
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003
Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322	25.38	0.76	213		
2378-TCDF	304/306	24.39	0.64 *			367
12378-PeCDF	340/342	30.85	1.39	1170		
12378-PeCDD	356/358	32.52	1.58	958		
23478-PeCDF	340/342	31.99	1.30 *			1170
123478-HxCDF	374/376	35.75	1.13	1130		
123678-HxCDF	374/376	35.87	1.14	1180		
123478-HxCDD	390/392	36.67	1.26	1160		
123678-HxCDD	390/392	36.77	1.30	1200		
123789-HxCDD	390/392	37.09	1.24	1130		
234678-HxCDF	374/376	36.50	1.12	1090		
123789-HxCDF	374/376	37.30	1.17	1150		
1234678-HpCDF	408/410	38.99	0.96	1170	B	
1234678-HpCDD	424/426	39.94	1.07	1230	B	
1234789-HpCDF	408/410	40.29	0.95	1250		
OCDD	458/460	42.76	0.90	3020	B	
OCDF	442/444	42.86	0.82	2520	B	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.36	0.83	0.65-0.89	82	25-164
13C-12378-PeCDD	368/370	32.51	1.64	1.32-1.78	98	25-181
13C-123478-HxCDD	402/404	36.66	1.28	1.05-1.43	88	32-141
13C-123678-HxCDD	402/404	36.75	1.27	1.05-1.43	89	28-130
13C-1234678-HpCDD	436/438	39.92	1.08	0.88-1.20	100	23-140
13C-OCDD	470/472	42.75	0.92	0.76-1.02	99	17-157
13C-2378-TCDF	316/318	24.38	0.83	0.65-0.89	52	24-169
13C-12378-PeCDF	352/354	30.84	1.55	1.32-1.78	103	24-185
13C-23478-PeCDF	352/354	31.97	1.57	1.32-1.78	94	21-178
13C-123478-HxCDF	384/386	35.74	0.52	0.43-0.59	100	26-152
13C-123678-HxCDF	384/386	35.86	0.52	0.43-0.59	94	26-123
13C-123789-HxCDF	384/386	37.28	0.54	0.43-0.59	100	29-147
13C-234678-HxCDF	384/386	36.49	0.52	0.43-0.59	91	28-136
13C-1234678-HpCDF	418/420	38.99	0.44	0.37-0.51	110	28-143
13C-1234789-HpCDF	418/420	40.28	0.43	0.37-0.51	101	26-138
37Cl-2378-TCDD	328/NA	25.40	NA	NA	87	35-197

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

LCS1

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: LC1010WA

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_12.D

Water Sample Prep: SEP F (SEPF/SPE) Date Received: _____

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003

Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	213	x 1.0 =	213
2378-TCDF	0.0	x 0.1 =	0.0
12378-PeCDF	1170	x 0.05 =	58.5
12378-PeCDD	958	x 0.5 =	479
23478-PeCDF	0.0	x 0.5 =	0.0
123478-HxCDF	1130	x 0.1 =	113
123678-HxCDF	1180	x 0.1 =	118
123478-HxCDD	1160	x 0.1 =	116
123678-HxCDD	1200	x 0.1 =	120
123789-HxCDD	1130	x 0.1 =	113
234678-HxCDF	1090	x 0.1 =	109
123789-HxCDF	1150	x 0.1 =	115
1234678-HpCDF	1170	x 0.01 =	11.7
1234678-HpCDD	1230	x 0.01 =	12.3
1234789-HpCDF	1250	x 0.01 =	12.5
OCDD	3020	x 0.001 =	3.02
OCDF	2520	x 0.001 =	2.52
		Total =	1596.54

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.
LCS2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: LC1013SA

Sample wt/vol: 1.0 (g/ml) G Lab File ID: U2987_10.D
Water Sample Prep: _____ (SEPF/SPE) Date Received: _____
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003
Injection Volume: 1 (uL) % Solid/Lipids: 100 Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322	25.40	0.86	245		
2378-TCDF	304/306	24.42	0.66	404		
12378-PeCDF	340/342	30.87	1.34	1240		
12378-PeCDD	356/358	32.53	1.61	1010		
23478-PeCDF	340/342	31.99	1.39	1270		
123478-HxCDF	374/376	35.75	1.17	1210		
123678-HxCDF	374/376	35.88	1.14	1330		
123478-HxCDD	390/392	36.67	1.17	1330		
123678-HxCDD	390/392	36.78	1.35	1290		
123789-HxCDD	390/392	37.09	1.28	1190		
234678-HxCDF	374/376	36.50	1.16	1210		
123789-HxCDF	374/376	37.30	1.15	1230		
1234678-HpCDF	408/410	39.00	0.93	1250		
1234678-HpCDD	424/426	39.95	1.05	1270		
1234789-HpCDF	408/410	40.29	0.96	1330		
OCDD	458/460	42.76	0.93	2880	B	
OCDF	442/444	42.87	0.80	2980	B	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.37	0.82	0.65-0.89	74	25-164
13C-12378-PeCDD	368/370	32.51	1.63	1.32-1.78	101	25-181
13C-123478-HxCDD	402/404	36.66	1.29	1.05-1.43	84	32-141
13C-123678-HxCDD	402/404	36.75	1.30	1.05-1.43	87	28-130
13C-1234678-HpCDD	436/438	39.94	1.04	0.88-1.20	92	23-140
13C-OCDD	470/472	42.76	0.93	0.76-1.02	88	17-157
13C-2378-TCDF	316/318	24.38	0.87	0.65-0.89	40	24-169
13C-12378-PeCDF	352/354	30.85	1.57	1.32-1.78	101	24-185
13C-23478-PeCDF	352/354	31.98	1.59	1.32-1.78	86	21-178
13C-123478-HxCDF	384/386	35.74	0.52	0.43-0.59	111	26-152
13C-123678-HxCDF	384/386	35.86	0.51	0.43-0.59	101	26-123
13C-123789-HxCDF	384/386	37.28	0.53	0.43-0.59	92	29-147
13C-234678-HxCDF	384/386	36.49	0.53	0.43-0.59	79	28-136
13C-1234678-HpCDF	418/420	38.99	0.44	0.37-0.51	108	28-143
13C-1234789-HpCDF	418/420	40.28	0.45	0.37-0.51	99	26-138
37Cl-2378-TCDD	328/NA	25.40	NA	NA	77	35-197

Column to be used to flag values outside QC limits

USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

LCS2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: LC1013SA

Sample wt/vol: 1.0 (g/ml) G Lab File ID: U2987_10.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: _____

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 100 Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	245	x 1.0 =	245
2378-TCDF	404	x 0.1 =	40.4
12378-PeCDF	1240	x 0.05 =	62
12378-PeCDD	1010	x 0.5 =	505
23478-PeCDF	1270	x 0.5 =	635
123478-HxCDF	1210	x 0.1 =	121
123678-HxCDF	1330	x 0.1 =	133
123478-HxCDD	1330	x 0.1 =	133
123678-HxCDD	1290	x 0.1 =	129
123789-HxCDD	1190	x 0.1 =	119
234678-HxCDF	1210	x 0.1 =	121
123789-HxCDF	1230	x 0.1 =	123
1234678-HpCDF	1250	x 0.01 =	12.5
1234678-HpCDD	1270	x 0.01 =	12.7
1234789-HpCDF	1330	x 0.01 =	13.3
OCDD	2880	x 0.001 =	2.88
OCDF	2980	x 0.001 =	2.98
		Total =	2410.76

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

LCSD1

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: LD1010WA

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_13.D
Water Sample Prep: SEP F (SEPF/SPE) Date Received: _____
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003
Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322	25.38	0.82	218		
2378-TCDF	304/306	24.40	0.67	376		
12378-PeCDF	340/342	30.85	1.41	1160		
12378-PeCDD	356/358	32.52	1.60	968		
23478-PeCDF	340/342	31.99	1.39	1180		
123478-HxCDF	374/376	35.75	1.14	1140		
123678-HxCDF	374/376	35.87	1.17	1230		
123478-HxCDD	390/392	36.67	1.27	1190		
123678-HxCDD	390/392	36.77	1.28	1240		
123789-HxCDD	390/392	37.09	1.28	1200		
234678-HxCDF	374/376	36.50	1.13	1150		
123789-HxCDF	374/376	37.30	1.18	1180		
1234678-HpCDF	408/410	38.99	0.94	1160	B	
1234678-HpCDD	424/426	39.94	1.08	1190	B	
1234789-HpCDF	408/410	40.29	0.95	1280		
OCDD	458/460	42.76	0.90	2800	B	
OCDF	442/444	42.87	0.83	2490	B	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.37	0.84	0.65-0.89	69	25-164
13C-12378-PeCDD	368/370	32.51	1.64	1.32-1.78	89	25-181
13C-123478-HxCDD	402/404	36.66	1.26	1.05-1.43	76	32-141
13C-123678-HxCDD	402/404	36.75	1.31	1.05-1.43	78	28-130
13C-1234678-HpCDD	436/438	39.92	1.02	0.88-1.20	85	23-140
13C-OCDD	470/472	42.75	0.92	0.76-1.02	83	17-157
13C-2378-TCDF	316/318	24.38	0.83	0.65-0.89	50	24-169
13C-12378-PeCDF	352/354	30.83	1.54	1.32-1.78	91	24-185
13C-23478-PeCDF	352/354	31.98	1.57	1.32-1.78	85	21-178
13C-123478-HxCDF	384/386	35.74	0.52	0.43-0.59	86	26-152
13C-123678-HxCDF	384/386	35.86	0.53	0.43-0.59	82	26-123
13C-123789-HxCDF	384/386	37.28	0.52	0.43-0.59	94	29-147
13C-234678-HxCDF	384/386	36.49	0.52	0.43-0.59	80	28-136
13C-1234678-HpCDF	418/420	38.99	0.44	0.37-0.51	97	28-143
13C-1234789-HpCDF	418/420	40.28	0.43	0.37-0.51	89	26-138
37Cl-2378-TCDD	328/NA	25.38	NA	NA	81	35-197

Column to be used to flag values outside QC limits

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

LCSD1

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) WATER Lab Sample ID: LD1010WA

Sample wt/vol: 1000 (g/ml) ML Lab File ID: U2987_13.D

Water Sample Prep: SEP F (SEPF/SPE) Date Received: _____

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/10/2003

Injection Volume: 1 (uL) % Solid/Lipids: ____ Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) PG/L

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	218	x 1.0 =	218
2378-TCDF	376	x 0.1 =	37.6
12378-PeCDF	1160	x 0.05 =	58
12378-PeCDD	968	x 0.5 =	484
23478-PeCDF	1180	x 0.5 =	590
123478-HxCDF	1140	x 0.1 =	114
123678-HxCDF	1230	x 0.1 =	123
123478-HxCDD	1190	x 0.1 =	119
123678-HxCDD	1240	x 0.1 =	124
123789-HxCDD	1200	x 0.1 =	120
234678-HxCDF	1150	x 0.1 =	115
123789-HxCDF	1180	x 0.1 =	118
1234678-HpCDF	1160	x 0.01 =	11.6
1234678-HpCDD	1190	x 0.01 =	11.9
1234789-HpCDF	1280	x 0.01 =	12.8
OCDD	2800	x 0.001 =	2.8
OCDF	2490	x 0.001 =	2.49
		Total =	2262.19

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

1DFA
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

LCSD2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: LD1013SA

Sample wt/vol: 1.0 (g/ml) G Lab File ID: U2987_11.D
Water Sample Prep: _____ (SEPF/SPE) Date Received: _____
Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003
Injection Volume: 1 (uL) % Solid/Lipids: 100 Date Analyzed: 10/15/2003
GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1
CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2378-TCDD	302/322	25.41	0.81	229		
2378-TCDF	304/306	24.40	0.65	382		
12378-PeCDF	340/342	30.86	1.40	1250		
12378-PeCDD	356/358	32.52	1.63	1040		
23478-PeCDF	340/342	32.00	1.33	1280		
123478-HxCDF	374/376	35.76	1.14	1230		
123678-HxCDF	374/376	35.88	1.13	1290		
123478-HxCDD	390/392	36.68	1.22	1260		
123678-HxCDD	390/392	36.77	1.24	1260		
123789-HxCDD	390/392	37.09	1.25	1150		
234678-HxCDF	374/376	36.50	1.12	1190		
123789-HxCDF	374/376	37.30	1.14	1280		
1234678-HpCDF	408/410	38.99	0.93	1240		
1234678-HpCDD	424/426	39.94	1.07	1280		
1234789-HpCDF	408/410	40.28	0.94	1330		
OCDD	458/460	42.77	0.89	2800	B	
OCDF	442/444	42.87	0.81	2800	B	

NOTE: Concentration, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2378-TCDD	332/334	25.37	0.81	0.65-0.89	76	25-164
13C-12378-PeCDD	368/370	32.51	1.64	1.32-1.78	103	25-181
13C-123478-HxCDD	402/404	36.66	1.30	1.05-1.43	82	32-141
13C-123678-HxCDD	402/404	36.76	1.27	1.05-1.43	86	28-130
13C-1234678-HpCDD	436/438	39.93	1.06	0.88-1.20	96	23-140
13C-OCDD	470/472	42.75	0.91	0.76-1.02	91	17-157
13C-2378-TCDF	316/318	24.39	0.82	0.65-0.89	48	24-169
13C-12378-PeCDF	352/354	30.84	1.54	1.32-1.78	108	24-185
13C-23478-PeCDF	352/354	31.98	1.58	1.32-1.78	87	21-178
13C-123478-HxCDF	384/386	35.74	0.53	0.43-0.59	99	26-152
13C-123678-HxCDF	384/386	35.86	0.52	0.43-0.59	90	26-123
13C-123789-HxCDF	384/386	37.29	0.53	0.43-0.59	92	29-147
13C-234678-HxCDF	384/386	36.49	0.53	0.43-0.59	74	28-136
13C-1234678-HpCDF	418/420	38.99	0.44	0.37-0.51	111	28-143
13C-1234789-HpCDF	418/420	40.28	0.43	0.37-0.51	98	26-138
37Cl-2378-TCDD	328/NA	25.39	NA	NA	81	35-197

Column to be used to flag values outside QC limits

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USEPA

1DFB
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

EPA SAMPLE NO.

LCSD2

Lab Name: SWL-TULSA Contract: 68W02012

Lab Code: SWOK Case No.: 32243 TO No.: 0005 SDG No.: E2DN8

Matrix: (soil/water/ash/tissue/oil) SOIL Lab Sample ID: LD1013SA

Sample wt/vol: 1.0 (g/ml) G Lab File ID: U2987_11.D

Water Sample Prep: _____ (SEPF/SPE) Date Received: _____

Concentrated Extract Volume: 20 (uL) Date Extracted: 10/13/2003

Injection Volume: 1 (uL) % Solid/Lipids: 100 Date Analyzed: 10/15/2003

GC Column: DB-5 ID: 0.25 (mm) Dilution Factor: 1

CONCENTRATION UNITS: (pg/L or ng/Kg) NG/KG

TARGET ANALYTE	CONCENTRATION	TEF*	TEF-ADJUSTED CONCENTRATION
2378-TCDD	229	x 1.0 =	229
2378-TCDF	382	x 0.1 =	38.2
12378-PeCDF	1250	x 0.05 =	62.5
12378-PeCDD	1040	x 0.5 =	520
23478-PeCDF	1280	x 0.5 =	640
123478-HxCDF	1230	x 0.1 =	123
123678-HxCDF	1290	x 0.1 =	129
123478-HxCDD	1260	x 0.1 =	126
123678-HxCDD	1260	x 0.1 =	126
123789-HxCDD	1150	x 0.1 =	115
234678-HxCDF	1190	x 0.1 =	119
123789-HxCDF	1280	x 0.1 =	128
1234678-HpCDF	1240	x 0.01 =	12.4
1234678-HpCDD	1280	x 0.01 =	12.8
1234789-HpCDF	1330	x 0.01 =	13.3
OCDD	2800	x 0.001 =	2.8
OCDF	2800	x 0.001 =	2.8
		Total =	2399.8

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxin and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

NOV 0 7 2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on 10-24-03

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

TO: Data User: Tetra Tech

We have reviewed the data for the following case:

SITE NAME: Sauget Site N (IL)

CASE NUMBER: 32243 SDG NUMBER: E2DN7

Number and Type of Samples: 11 (soil)

Sample Numbers: E2DN7-E2DN9, E2DP0-E2DP6, E2DQ4

Laboratory: CEIMIC Hrs. for Review: _____

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DN7
Laboratory: CEIMIC

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

Eleven (11) soil samples, numbered E2DN7 through E2DN9, E2DP0 through E2DP6, and E2DQ4, were collected on October 7 and 8, 2003. The lab received the samples on October 10, 2003 in good condition. All samples were analyzed for the full list of organic analytes. All were analyzed according to CLP SOW OLM04.3.

Samples E2DN8 and E2DN9 are field duplicates.

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (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 corresponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methylene Chloride
E2DN8, E2DN9, E2DN9MS, E2DN9MSD, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DQ4, VBLKOA, VBLKOZ

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", unless otherwise qualified elsewhere.

1,1,2-Trichloro-1,2,2-trifluoroethane
E2DN7, E2DN7MS, E2DN7MSD, E2DN9MS, E2DN9MSD, E2DP0, E2DP1, E2DP6, VBLKOA, VBLKPF

Methylene Chloride
E2DN7, E2DN7MS, E2DN7MSD, E2DN8, E2DN9, E2DN9MS, E2DN9MSD, E2DP0, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DP6, E2DQ4, VBLKOA, VBLKOZ, VBLKPF

2-Butanone, Tetrachloroethene, 2-Hexanone
E2DP6RE, VBLKPH, VBLKPI, VHBLK01

Methylcyclohexane, Toluene
E2DN7, E2DN7MS, E2DN7MSD, E2DP0, E2DP6, VBLKPF

The following volatile samples are associated with a continuing calibration relative response factor

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

(RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E2DN9MS, E2DN9MSD, E2DP1, VBLKOA

The following volatile samples are associated with a continuing calibration in which a SMC exceeded percent difference (%D) criteria. Hits and non-detects are not qualified based on the surrogate RRF and %D data only.

E2DN8, E2DN9, E2DN9MS, E2DN9MSD, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DQ4, VBLKOA, VBLKOZ

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
E2DN7, E2DN7MS, E2DN7MSD, E2DN8, E2DN8DL, E2DN9, E2DN9DL, E2DP0, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DP6, E2DP6DL, E2DQ4, E2DQ4MS, E2DQ4MSD, SBLKAL, SBLKAQ, SBLKKK, SBLKKL, SBLKKM

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
E2DN7, E2DN7MS, E2DN7MSD, E2DN9DL, SBLKAL, SBLKAQ

Caprolactam, Hexachlorocyclopentadiene, 4-Nitrophenol, Butylbenzylphthalate, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate
E2DN8, E2DN8DL, E2DN9, E2DP0, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DP6, E2DP6DL, E2DQ4, E2DQ4MS, E2DQ4MSD, SBLKKK, SBLKKL, SBLKKM

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, unless otherwise qualified in another section.

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

Methylene Chloride
E2DN9MS, E2DN9MSD, E2DP6

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

Tetrachloroethene
E2DP6RE, VHBKL01

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, unless otherwise qualified in another section.

Methylene Chloride
E2DN7, E2DN8, E2DN9, E2DP0, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DP6RE, E2DQ4

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

Methylene Chloride
E2DN7MS, E2DN7MSD

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

bis(2-Ethylhexyl)phthalate
E2DP0, E2DP3

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

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

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

E2DP6, E2DP6RE

The following semivolatile method blanks have a base/neutral surrogate recovery outside criteria. Per National Functional Guidelines, no action is required when only one surrogate is out of control in a fraction.

SBLKAQ

The following semivolatile method blanks have an acid surrogate percent recovery outside criteria. Per the National Functional Guidelines, no action is required when only one surrogate is out of control in a fraction.

SBLKAQ

The following diluted semi-volatile samples have base/neutral surrogate percent recoveries which were less than 10%. No qualification is required.

E2DP5, E2DN9DL, E2DN7MS, E2DN7MSD

The following diluted semi-volatile samples have a acid surrogate percent recovery which was less than 10%. No qualification is required.

E2DP5

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.

E2DP4, E2DP6

The following diluted pesticide samples have surrogate percent recoveries which exceed the upper limit of the criteria window. All samples listed below were analyzed at a dilution and no qualification is required.

E2DN7, E2DN7DL, E2DN7MS, E2DN7MSD, E2DN8, E2DN8DL, E2DN9, E2DN9DL, E2DP0, E2DP0DL, E2DP1, E2DP1DL, E2DP6DL

The following diluted pesticide samples have surrogate percent recoveries of less than 10 percent, no action is required.

E2DN8DL, E2DP1DL

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

The following diluted pesticide samples have surrogate percent recoveries outside the lower limit of the criteria window, no action is required.

E2DQ4DL

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. In the unspiked sample E2DN9 for Benzene hits are flagged "J" and non-detects are flagged in the following statement.

E2DN9MS, E2DN9MSD
Benzene

The following volatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria. In the unspiked sample E2DN9, for 1,1-Dichloroethene, Trichloroethene, and Toluene hits are flagged "J" and non-detects are flagged "UJ"; and for Benzene and Chlorobenzene, hits are flagged "J" and non-detects are flagged "R".

E2DN9MS, E2DN9MSD
1,1-Dichloroethene, Benzene, Trichloroethene, Toluene, Chlorobenzene

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. In the unspiked sample E2DN7 for Acenaphthene and Pentachlorophenol, hits are flagged "J" and non-detects are flagged "UJ", unless otherwise qualifed in another section. In the unspiked sample E2DQ4 for Acenaphthene , hits are flagged "J" and non-detects are flagged "UJ".

E2DN7MS, E2DN7MSD
Acenaphthene, Pentachlorophenol

E2DQ4MS, E2DQ4MSD
Acenaphthene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recovery outside criteria and less than 10%. In the unspiked sample E2DN7, hits are flagged "J" and non-detects are flagged "R".

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

E2DN7MS
N-Nitroso-di-n-propyl amine, Pentachlorophenol, 2,4-Dinitrotoluene

E2DN7MSD
N-Nitroso-di-n-propyl amine, 2,4-Dinitrotoluene

The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. In the unspiked sample E2DN7, hits are flagged "J" and non-detects are flagged "UJ".

E2DN7MS, E2DN7MSD
4,4-DDT

The following pesticide matrix spike/matrix spike duplicate samples have percent recovery outside criteria. In the unspiked sample E2DN7, hits are flagged "J" and non-detects are not flagged unless otherwise qualified above.

E2DN7MS, E2DN7MSD
Aldrin, Endrin, 4,4-DDT

The following pesticide matrix spike/matrix spike duplicate samples have percent recovery outside criteria and less than 10%. In the unspiked sample E2DN7, hits are flagged "J" and non-detects are flagged "R".

E2DN7MS, E2DN7MSD
gamma-BHC, Heptachlor

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2DN8 is a field duplicate of Sample E2DN9. Results are not qualified based upon the results of the field blank or field duplicates.

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DN7
Laboratory: CEIMIC

Analyte	E2DN8	E2DN9
	DF=1	DF=1
Vinyl Chloride	3	3 J
Acetone	44	32
2-Butanone	13 J	10 J
Cyclohexane	5 J	6 J
Benzene	33	65
Methylcyclohexane	7 J	8 J
Toluene	3 J	3 J
Chlorobenzene	190	170
Xylene (total)		2 J
1,3-Dichlorobenzene	18	13 J
1,4-Dichlorobenzene	120	75
1,2-Dichlorobenzene	7 J	6 J
1,2,4-Trichlorobenzene	36	11 J
VOA TICs	8	5
	DF= 6	DF= 3
Acenaphthylene	540 J	180 J
Acenaphthene	1300 J	600 J
Dibenzofuran	1600 J	620 J
Fluorene	4100	1700
Hexachlorobenzene	630 J	540 J

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

Pentachlorophenol	10000	72000 J
Phenanthrene	16000	8800
Anthracene	8400	3700
Carbazole	1300 J	460 J
Fluoranthene	28000 J	13000 J
Pyrene	29000 J	12000 J
Benzo(a) anthracene	17000	6500
Chrysene	15000	6000
bis(2-Ethylhexyl)phthalate		650
Benzo(b) fluoranthene	8600	3700
Benzo(k) fluoranthene	12000	4000
Benzo(a)pyrene	11000	4100
Indeno-(1,2,3-cd)pyrene	5300	1900
Dibenzo(a,h)anthracene	2400 J	950 J
Benzo(g,h,i)perylene	5400	1900
SVOA TICs	30	30
	DF= 100	DF=10
beta-BHC		24 J
Aldrin	800	200
Dieldrin		140
4,4'-DDE		180 J
Endosulfan II		200 J

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DN7
Laboratory: CEIMIC

4,4'-DDD	1100	650 J
4,4'-DDT	18000 J	
Aroclor-1248	19000	5400 J
Aroclor-1260	11000	18000 J

Analyte	E2DN8DL	E2DN9DL
	DF = 18	DF = 30
Acenaphthene	1300 J	
Dibenzofuran	1600 J	
Fluorene	4200 J	1600 J
Pentachlorophenol	8800 J	51000
Phenanthrene	17000	8400
Anthracene	8400	3200 J
Carbazole	1300 J	
Fluoranthene	31000	12000
Pyrene	30000	9600
Benzo(a) anthracene	17000	5800 J
Chrysene	16000	5500
Benzo(b) fluoranthene	9300	3300 J
Benzo(k) fluoranthene	12000	3300 J
Benzo(a)pyrene	12000	3600 J
Indeno-(1,2,3-cd)pyrene	5100 J	1800 J
Dibenzo(a,h)anthracene	2600 J	

Reviewed By: T. Sedlacek ESAT
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Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

Analyte	E2DN8DL	E2DN9DL
Benzo(g,h,i)perylene	5200 J	1700 J
	DF = 1000	DF = 100
Aldrin		240 J
4,4'-DDD		780 J
4,4'-DDT	26000	3700
Aroclor-1248	22000 J	6200 J
Aroclor-1260		9400 J

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".

E2DN7, E2DP4
Methylcyclohexane

E2DN7MS
Methyl Acetate, Methylcyclohexane

E2DN7MSD
Methyl Acetate, Methylene Chloride, Methylcyclohexane

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

E2DN8
Vinyl Chloride, 2-Butanone, Cyclohexane, Methylcyclohexane, Toluene, 1,2-Dichlorobenzene

E2DN9
Vinyl Chloride, 2-Butanone, Cyclohexane, Methylcyclohexane, Toluene, Xylenes (total), 1,3-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

E2DN9MS
Cyclohexane, Methylcyclohexane, 1,3-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

E2DN9MSD
Cyclohexane, Methylcyclohexane, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

E2DP0
Benzene, Toluene, Ethylbenzene

E2DP1
Cyclohexane, Methylcyclohexane, Toluene, Ethylbenzene, Xylenes (total), 1,3-Dichlorobenzene

E2DP2
Carbon Disulfide, Cyclohexane, Benzene, Methylcyclohexane, Toluene, Chlorobenzene, Ethylbenzene, Xylenes (total), 1,4-Dichlorobenzene

E2DP3
Acetone, Methylcyclohexane

E2DP5
Carbon Disulfide, Cyclohexane, Methylcyclohexane, Toluene, Xylenes (total)

E2DP6
Methyl Acetate, Methylcyclohexane, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

E2DP6RE
Methylcyclohexane, Chlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

Reviewed By: T. Sedlacek ESAT
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Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

E2DQ4
Carbon Disulfide, Methylcyclohexane, Toluene, Xylenes (total)

VBLKOA
1,2,4-Trichlorobenzene

VBLKPF, VHBLK01
Methylene Chloride

VBLKPH
Tetrachloroethene

VBLKPI
Methylene Chloride, Tetrachloroethene

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.

E2DP6, E2DP6RE

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

E2DN7MS
Phenol, 2-Chlorophenol, 4-Chloro-3-methylphenol, Acenaphthene, 4-Nitrophenol, Pentachlorophenol, Pyrene

E2DN7MSD
Phenol, 2-Chlorophenol, 4-Chloro-3-methylphenol, Acenaphthene, 4-Nitrophenol, Pyrene

E2DN8
Acenaphthylene, Acenaphthene, Dibenzofuran, Hexachlorobenzene, Carbazole, Dibenzo (a,h) anthracene

E2DN8DL
Acenaphthene, Dibenzofuran, Fluorene, Pentachlorophenol, Carbazole, Indeno(1,2,3-cd)pyrene,

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Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

Dibenzo (a,h)anthracene, Benzo (g,h,i) perylene

E2DN9

Acenaphthylene, Acenaphthene, Dibenzofuran, Hexachlorobenzene, Carbazole, bis(2-Ethylhexyl)phthalate, Dibenzo (a,h)anthracene

E2DN9DL

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

E2DP1

Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthene, Dibenzofuran, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

E2DP2

Acenaphthene, Fluorene, Pentachlorophenol, Phenanthrene, Fluoranthene, Pyrene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene

E2DP3

Acenaphthene, Fluorene, Anthracene, Carbazole, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene

E2DP4

Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h)anthracene, Benzo (g,h,i) perylene

E2DP5

Phenanthrene, Fluoranthene, Pyrene

E2DP6

2-Methylnaphthalene, Fluorene, Anthracene, bis(2-Ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene

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Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

E2DP6DL

2-Methylnaphthalene, Hexachlorobenzene, Phenanthrene, Anthracene, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

E2DQ4

Dibenzofuran, Fluorene, Pentachlorophenol, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene

E2DQ4MS

Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

E2DQ4MSD

1,1'-Biphenyl, Anthracene, Carbazole, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo (g,h,i) perylene

SBLKKL, SBLKKM

bis(2-Ethylhexyl)phthalate

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

E2DN8DL, E2DP1DL

Aroclor-1248

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

E2DN7

Aldrin, 4,4-DDE, 4,4-DDT, Endrin ketone, Aroclor-1248, Aroclor-1260

E2DN7DL

4,4-DDT, Aroclor-1260

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

E2DN7MS
Aldrin, Dieldrin, 4,4-DDE, Endrin, 4,4-DDD, 4,4-DDT, alpha-Chlordane, Aroclor-1248

E2DN7MSD
Aldrin, Dieldrin, 4,4-DDE, Endrin, 4,4-DDT, alpha-Chlordane

E2DN9
beta-BHC, 4,4-DDE, Endosulfan II, 4,4-DDD, Aroclor-1248

E2DN9DL
Aldrin, 4,4-DDD, Aroclor-1248, Aroclor-1260

E2DP0
4,4-DDE, 4,4-DDD, 4,4-DDT, Aroclor-1248

E2DP0DL
Aroclor-1260

E2DP1
Endosulfan II, 4,4-DDD, 4,4-DDT, Aroclor-1248

E2DP1DL
Aroclor-1248, Aroclor-1260

E2DP2
4,4-DDT, Aroclor-1248, Aroclor-1260

E2DP4
Dieldrin, 4,4-DDD, 4,4-DDT, alpha-Chlordane

E2DP6
beta-BHC, gamma-BHC (Lindane), Heptachlor, Dieldrin, 4,4-DDE, Endrin, Endosulfan II, Endosulfan sulfate, 4,4-DDT, Methoxychlor, Endrin ketone, Aroclor-1248

E2DP6DL
beta-BHC, Heptachlor, Aldrin, Endosulfan sulfate, Aroclor-1248, Aroclor-1260

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DN7
Laboratory: CEIMIC

E2DQ4
Endosulfan II

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2DN7, E2DN7MS, E2DN7MSD, E2DN8, E2DN9, E2DN9MS, E2DN9MSD, E2DP0, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DP6, E2DP6RE, E2DQ4, VBLKOA, VBLKOZ, VBLKPF, VBLKPH, VBLKPI, VHBLK01

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2DN7, E2DN7MS, E2DN7MSD, E2DN8, E2DN8DL, E2DN9, E2DN9DL, E2DP0, E2DP1, E2DP2, E2DP3, E2DP4, E2DP5, E2DP6, E2DP6DL, E2DQ4, E2DQ4MS, E2DQ4MSD, SBLKAL, SBLKAQ, SBLKKK, SBLKKL, SBLKKM

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2DN7, E2DN7DL, E2DN7MS, E2DN7MSD, E2DN8, E2DN8DL, E2DN9, E2DN9DL, E2DP0, E2DP0DL, E2DP1, E2DP1DL, E2DP2, E2DP3, E2DP4, E2DP5, E2DP6, E2DP6DL, E2DQ4, E2DQ4DL, PBLK01

In the following medium level volatile soil sample the laboratory identified a target compound as a TIC and did not report a value for that compound on the FORM I. The reviewer is unable to properly calculate the concentration present in the sample from the data provided by the lab. Detects are qualified"J" and non-detects "UJ"

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 SDG Number: E2DN7
Site Name: Sauget Site N (IL) Laboratory: CEIMIC

E2DN7
1,3-Dichlorobenzene

In the following semi- volatile soil sample the laboratory identified a target compound as a TIC. Detects are qualified"J" and non-detects "UJ"

E2DN8
Benzo(k) fluoranthene, Benzo(g,h,i)perylene

E2DN9
Benzo (k) fluoranthene

The following sem-volatile sample reported a pesticide analyte as a TIC.

E2DP1
CAS 50-29-3 Chlorophenathane (4,4'-DDT)

The semi-volatile samples had compound concentrations which exceeded the calibration range, the value from the appropriate diluted sample should be used.

E2DN8
Fluoranthene, Pyrene

E2DN9
Pentachlorophenol, Fluoranthene, Pyrene

E2DP6
Pentachlorophenol

The pesticide samples had compound concentrations which exceeded the calibration range, the value from the appropriate diluted sample should be used.

E2DN7
4,4'-DDD, 4,4'-DDT, Aroclor-1260

E2DN8
4,4'-DDT

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

Case Number : 32243 **SDG Number: E2DN7**
Site Name: Sauget Site N (IL) **Laboratory: CEIMIC**

E2DN9, E2DP0
Aroclor-1260

E2DP6
Aldrin, Aroclor-1248, Aroclor-1260

Reviewed By: T. Sedlacek ESAT
Date: November 6, 2003

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.:	E2DN7
Sample Type:	Spike Original		
Lab ID:	CEIMIC	Location:	SS01
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
98066	BENZENE, TERT-BUTYL-	19.98	6000	NJ
2049958	BENZENE, (1,1-DIMETHYLPROPYL)-	21.92	4500	NJ
1985575	BENZENE, (1,1-DIMETHYLBUTYL)-	23.24	9500	NJ
	C6-BENZENE ISOMER	24.16	4000	J
87616	BENZENE, 1,2,3-TRICHLORO-	24.70	15000	NJ
95943	BENZENE, 1,2,4,5-TETRACHLORO-	26.95	33000	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DN7
Sample Type:	Spike Original		
Lab ID:	CEIMIC	Location:	SS01
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	10.26	49000	J
18435455	1-NONADECENE	10.55	56000	NJ
27519024	9-TRICOSENE, (Z)-	10.86	150000	NJD
	UNKNOWN	11.31	69000	JD
6971400	17-PENTATRIACONTENE	11.55	91000	NJD
	UNKNOWN	12.11	51000	J
	UNKNOWN	12.43	160000	JD
	UNKNOWN	12.60	46000	J
	UNKNOWN	12.97	66000	JD
	UNKNOWN	14.34	90000	JD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DN8
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
60297	ETHER	3.60	19	NJ
	UNKNOWN ORGANIC ACID	5.78	9	J
	CYCLIC ALKANE	17.43	12	J
1985575	BENZENE, (1,1-DIMETHYLBUTYL)-	21.65	15	NJ
	UNKNOWN	22.63	12	J
	UNKNOWN	23.37	12	J
14128611	2-HEXANONE, 5-METHYL-5-PHENYL-	24.50	20	NJ
2077465	BENZENE, 1,2,4-TRICHLORO-3-METHYL-	24.94	22	NJ
95943	BENZENE, 1,2,4,5-TETRACHLORO-	25.48	78	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DN8
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
2077465	BENZENE, 1,2,4-TRICHLORO-3-METHYL-	6.44	1400	NJ
634662	BENZENE, 1,2,3,4-TETRACHLORO-	6.59	1800	NJ
95943	BENZENE, 1,2,4,5-TETRACHLORO-	6.94	3400	NJD
	UNKNOWN	7.52	820	J
	UNKNOWN	7.94	1800	J
	UNKNOWN	8.22	1000	J
7320538	DIBENZOFURAN, 4-METHYL-	8.28	950	NJ
	UNKNOWN PAH	9.51	3100	JD
612942	NAPHTHALENE, 2-PHENYL-	9.64	920	NJ
2381217	PYRENE, 1-METHYL-	10.37	1700	NJ
243174	11H-BENZO[B]FLUORENE	10.46	4300	NJD
243174	11H-BENZO[B]FLUORENE	10.51	2700	NJ
	UNKNOWN PAH	10.55	1100	J
	UNKNOWN PAH	10.81	1300	J
239350	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	10.98	1900	NJ
	UNKNOWN PAH	11.03	1300	J
243516	11H-INDENO(1,2-B)QUINOLINE	11.35	840	NJ
	UNKNOWN PAH	11.41	1100	J
2381319	BENZ[A]ANTHRACENE, 8-METHYL-	11.56	1300	NJ
1705846	TRIPHENYLENE, 2-METHYL-	11.60	620	NJ
	UNKNOWN PAH	12.12	3500	JD
	UNKNOWN	12.52	3000	JD
192972	BENZO[E]PYRENE	12.64	15000	NJD
	UNKNOWN PAH	13.30	3700	JD
	UNKNOWN	14.08	3500	JD
215587	BENZO[B]TRIPHENYLENE	14.75	4200	NJD
192654	NAPHTHO[1,2,3,4-DEF]CHRYSENE	17.62	8100	NJD
0000	1,2:3,4-DIBENZPYRENE	17.85	9300	NJD

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DN8DL
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
634662	BENZENE, 1,2,3,4-TETRACHLORO-	6.59	1900	NJ
634902	BENZENE, 1,2,3,5-TETRACHLORO-	6.94	3400	NJD
	UNKNOWN	7.94	1900	J
832713	PHENANTHRENE, 3-METHYL-	9.43	1600	NJ
	UNKNOWN PAH	9.51	5800	JD
612942	NAPHTHALENE, 2-PHENYL-	9.64	1900	NJ
243174	11H-BENZO[B]FLUORENE	10.46	3900	NJD
	UNKNOWN PAH	10.50	2600	J
2381217	PYRENE, 1-METHYL-	10.63	1600	NJ
239350	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	10.97	1700	NJ
75220530	5-METHYL-2-(N-ETHYL-P-CHLOROPHENYLAMINO)	12.11	3300	NJD
192972	BENZO[E]PYRENE	12.41	2700	NJ
198550	PERYLENE	12.64	6800	NJD
	UNKNOWN	13.34	2400	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DN9
Sample Type:	Spike Original		
Lab ID:	CEIMIC	Location:	SS02D
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
60297	ETHER	3.61	46	NJ
	STRAIGHT-CHAIN ALKANE	5.78	11	J
1985575	BENZENE, (1,1-DIMETHYLBUTYL)-	21.65	14	NJ
	BRANCHED ALKANE	23.37	13	J
14128611	2-HEXANONE, 5-METHYL-5-PHENYL-	24.51	14	NJ
2077465	BENZENE, 1,2,4-TRICHLORO-3-METHYL-	24.94	26	NJ
	UNKNOWN	25.35	11	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DN9
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02D
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
2077465	BENZENE, 1,2,4-TRICHLORO-3-METHYL-	6.44	670	NJ
95943	BENZENE, 1,2,4,5-TETRACHLORO-	6.59	3100	NJD
95943	BENZENE, 1,2,4,5-TETRACHLORO-	6.94	1800	NJ
	UNKNOWN	7.94	1300	J
	UNKNOWN	8.41	850	J
1430973	9H-FLUORENE, 2-METHYL-	8.63	580	NJ
	UNKNOWN	9.08	570	J
613127	ANTHRACENE, 2-METHYL-	9.40	1400	NJ
779022	ANTHRACENE, 9-METHYL-	9.43	1700	NJ
613127	ANTHRACENE, 2-METHYL-	9.46	1200	NJ
	UNKNOWN PAH	9.51	5100	JD
612942	NAPHTHALENE, 2-PHENYL-	9.63	790	NJ
1576676	PHENANTHRENE, 3,6-DIMETHYL-	9.79	870	NJ
1576676	PHENANTHRENE, 3,6-DIMETHYL-	9.86	640	NJ
	UNKNOWN	9.90	1200	J
41464420	1,1'-BIPHENYL, 2,3',5,5'-TETRACHLORO-	9.93	680	NJ
1210124	9-ANTHRACENECARBONITRILE	10.31	560	NJ
2381217	PYRENE, 1-METHYL-	10.36	970	NJ
243174	11H-BENZO[B]FLUORENE	10.45	2000	NJ
	UNKNOWN PAH	10.50	980	J
2381217	PYRENE, 1-METHYL-	10.54	610	NJ
52663726	1,1'-BIPHENYL, 2,3',4,4',5,5'-HEXACHLORO	10.79	950	NJ
239350	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	10.96	1300	NJ
1705857	CHRYSENE, 6-METHYL-	11.54	650	NJ
	UNKNOWN PAH	12.10	820	J
	UNKNOWN	14.05	2100	J
	UNKNOWN PAH	14.22	710	J
0000	1,2:3,4-DIBENZPYRENE	17.59	1500	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DN9DL
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02D
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
634902	BENZENE, 1,2,3,5-TETRACHLORO-	6.57	4400	NJD
	UNKNOWN PAH	9.33	3400	JD
238846	11H-BENZO[A]FLUORENE	10.31	3100	NJD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP0
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS03
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
1985575	BENZENE, (1,1-DIMETHYLBUTYL)-	23.24	11000	NJ
1985973	BENZENE, (1-ETHYL-1-METHYLPROPYL)-	23.63	11000	NJ
7403421	2-PENTANONE, 4-METHYL-4-PHENYL-	24.17	8200	NJ
	UNKNOWN	24.52	4800	J
	BRANCHED ALKANE	24.85	20000	J
4468400	BENZENE, (1-ETHYL-1-METHYLBUTYL)-	24.99	5500	NJ
	UNKNOWN	25.40	7900	J
	UNKNOWN	25.86	19000	J
	UNKNOWN	26.69	19000	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP0
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS03
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	6.12	25000	J
	UNKNOWN	6.60	18000	J
	UNKNOWN	6.69	33000	J
	UNKNOWN	7.10	22000	J
	UNKNOWN	7.27	18000	J
	UNKNOWN	7.68	52000	J
	UNKNOWN	7.75	12000	J
	UNKNOWN	7.79	18000	J
55191258	BENZENE, (1,1-DIMETHYLNONYL)-	7.84	91000	NJD
	UNKNOWN	7.94	100000	JD
55191258	BENZENE, (1,1-DIMETHYLNONYL)-	7.98	85000	NJD
	UNKNOWN	8.03	22000	J
	UNKNOWN	8.07	28000	J
	UNKNOWN	8.10	110000	JD
	UNKNOWN	8.14	52000	J
	UNKNOWN	8.22	37000	J
	UNKNOWN	8.26	190000	JD
27854406	BENZENE, (1,1-DIMETHYLDECYL)-	8.32	170000	NJD
	UNKNOWN	8.34	89000	JD
	UNKNOWN	8.41	230000	JD
	UNKNOWN	8.47	67000	J
	UNKNOWN	8.53	98000	JD
	UNKNOWN	8.63	21000	J
	UNKNOWN	8.85	13000	J
	UNKNOWN	8.93	18000	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP1
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS04
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN ALKENE	2.90	7	J
	STRAIGHT-CHAIN ALKANE	5.78	7	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP1
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS04
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN CL4-PCB ISOMER	9.49	370	JD
31508006	1,1'-BIPHENYL, 2,3',4,4',5-PENTACHLORO-	9.92	430	NJ
74472370	1,1'-BIPHENYL, 2,3,4,4',5-PENTACHLORO-	10.05	2500	NJ
60145213	1,1'-BIPHENYL, 2,2',4,5',6-PENTACHLORO-	10.20	1100	NJ
70424703	1,1'-BIPHENYL, 2',3,4,5,5'-PENTACHLORO-	10.30	10000	NJD
	UNKNOWN	10.39	3500	JD
31508006	1,1'-BIPHENYL, 2,3',4,4',5-PENTACHLORO-	10.45	24000	NJD
33979032	1,1'-BIPHENYL, 2,2',4,4',6,6'-HEXACHLORO	10.54	3700	NJD
41411625	1,1'-BIPHENYL, 2,3,3',4,5,6-HEXACHLORO-	10.57	17000	NJD
68194127	1,1'-BIPHENYL, 2,3',4,5,5'-PENTACHLORO-	10.63	21000	NJD
60145224	1,1'-BIPHENYL, 2,2',4,4',5',6-HEXACHLORO	10.67	4200	NJD
52663635	1,1'-BIPHENYL, 2,2',3,5,5',6-HEXACHLORO-	10.77	44000	NJD
52663668	1,1'-BIPHENYL, 2,2',3,3',4,5'-HEXACHLORO	10.82	2500	NJ
52663680	1,1'-BIPHENYL, 2,2',3,4',5,5',6-HEPTACHL	10.86	2100	NJ
74472472	1,1'-BIPHENYL, 2,2',3,4,4',5,6-HEPTACHLO	10.89	1300	NJ
68194150	1,1'-BIPHENYL, 2,2',3,4,5,6'-HEXACHLORO-	10.95	12000	NJD
69782918	1,1'-BIPHENYL, 2,3,3',4',5,5',6-HEPTACHL	11.01	4600	NJD
32774166	1,1'-BIPHENYL, 3,3',4,4',5,5'-HEXACHLORO	11.08	18000	NJD
39635319	1,1'-BIPHENYL, 2,3,3',4,4',5,5'-HEPTACHL	11.40	19000	NJD
	UNKNOWN	11.45	1200	J
	UNKNOWN	11.49	2700	J
35694087	1,1'-BIPHENYL, 2,2',3,3',4,4',5,5'-OCTAC	11.74	1800	NJ
	UNKNOWN	11.87	7100	JD
192972	BENZO[E]PYRENE	12.58	430	NJ
	UNKNOWN	12.84	510	J
	UNKNOWN	14.01	390	JD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP2
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS01
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	2.90	48	J
	STRAIGHT-CHAIN ALKANE	3.28	31	J
	BRANCHED ALKANE	4.85	27	J
	UNKNOWN	5.28	12	J
	STRAIGHT-CHAIN ALKANE	5.78	21	J
	CYCLIC ALKANE	6.82	17	J
	BRANCHED ALKANE	8.27	9	J
	STRAIGHT-CHAIN ALKANE	9.05	8	J
496117	INDANE	19.43	9	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP2
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS01
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN PAH	10.39	730	J
3442782	PYRENE, 2-METHYL-	10.62	490	NJ
	UNKNOWN	12.66	690	J
	UNKNOWN	12.86	4200	JD
	UNKNOWN	13.51	2600	J
	UNKNOWN	14.02	1700	J
	UNKNOWN	14.69	2100	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP3
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	CYCLIC ALKANE	15.32	11	J
	CYCLIC ALKANE	15.52	18	J
	CYCLIC ALKANE	15.61	18	J
	CYCLIC ALKANE	15.68	16	J
	UNKNOWN ALKENE	15.88	17	J
	CYCLIC ALKANE	16.15	89	J
	CYCLIC ALKANE	16.30	15	J
	CYCLIC ALKANE	16.49	32	J
	UNKNOWN	16.54	83	J
	UNKNOWN	16.62	12	J
	CYCLIC ALKANE	16.69	73	J
	BRANCHED ALKANE	16.77	51	J
	CYCLIC ALKANE	16.87	24	J
	CYCLIC ALKANE	16.98	30	J
	STRAIGHT-CHAIN ALKANE	17.04	13	J
	CYCLIC ALKANE	17.23	27	J
	UNKNOWN	17.41	130	J
	UNKNOWN	17.65	40	J
	UNKNOWN ALKENE	17.76	52	J
	CYCLIC ALKANE	17.84	56	J
	CYCLIC ALKANE	17.94	33	J
	BRANCHED ALKENE	18.02	21	J
	CYCLIC ALKANE	18.20	44	J
	UNKNOWN	18.33	8	J
	BRANCHED ALKANE	18.41	17	J
	BRANCHED ALKANE	18.74	18	J
	CYCLIC ALKANE	18.85	16	J
91178	NAPHTHALENE, DECAHYDRO-	19.57	29	NJ
	CYCLIC ALKANE	19.87	10	J
	UNKNOWN	20.53	8	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP3
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	4.39	200	J
493027	NAPHTHALENE, DECAHYDRO-, TRANS-	5.01	150	NJ
	UNKNOWN PAH	9.52	160	J
243174	11H-BENZO[B]FLUORENE	10.47	110	NJ
2381217	PYRENE, 1-METHYL-	10.67	110	NJ
192972	BENZO[E]PYRENE	12.67	280	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP4
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS01
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN PAH	9.49	270	JD
	UNKNOWN PAH	10.62	340	JD
192972	BENZO[E]PYRENE	12.59	930	NJ
	UNKNOWN	14.02	1000	J
	UNKNOWN PAH	14.69	520	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP5
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN ALKENE	14.46	14	J
	BRANCHED ALKANE	14.97	130	J
	UNKNOWN	15.17	16	J
	CYCLIC ALKANE	15.60	170	J
	CYCLIC ALKANE	15.68	180	J
	UNKNOWN ALKENE	15.88	81	J
	CYCLIC ALKANE	16.15	450	J
	BRANCHED ALKANE	16.41	100	J
	CYCLIC ALKANE	16.49	100	J
	BRANCHED ALKANE	16.55	570	J
	CYCLIC ALKANE	16.70	680	J
	BRANCHED ALKANE	16.78	530	J
	UNKNOWN	16.99	180	J
	BRANCHED ALKANE	17.05	310	J
	BRANCHED ALKANE	17.32	130	J
	UNKNOWN	17.42	340	J
	C3-BENZENE ISOMER	17.58	24	J
	CYCLIC ALKANE	17.66	230	J
	UNKNOWN	17.76	160	J
	CYCLIC ALKANE	17.85	430	J
	UNKNOWN ALKENE	17.94	280	J
	UNKNOWN	18.25	250	J
	BRANCHED ALKANE	18.34	180	J
	BRANCHED ALKANE	18.41	330	J
	UNKNOWN	18.65	290	J
	UNKNOWN	18.75	360	J
	CYCLIC ALKANE	18.86	250	J
	BRANCHED ALKANE	19.04	120	J
	UNKNOWN KETONE	19.27	120	J
135013	BENZENE, 1,2-DIETHYL-	19.44	250	NJ
91178	NAPHTHALENE, DECAHYDRO-	19.57	440	NJ
	CYCLIC ALKANE	19.88	280	J
	BRANCHED ALKANE	20.29	150	J
89827	PULEGONE	20.54	230	NJ
	CYCLIC ALKANE	20.68	230	J
874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	20.81	18	NJ
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	20.86	78	NJ
	C5-BENZENE ISOMER	21.16	64	J
	C5-BENZENE ISOMER	21.37	34	J
	C4-BENZENE ISOMER	21.47	120	J
	UNKNOWN	21.73	93	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP5
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	22.09	10	J
	C5-BENZENE ISOMER	23.68	6	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP5
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS02
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN FATTY ACID	10.64	2100	J
	UNKNOWN	11.59	12000	JD
	UNKNOWN	13.52	3400	JD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP6
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS03
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	3.55	640	J
	BRANCHED ALKANE	12.78	1100	J
	CYCLIC ALKANE	13.57	2200	J
	CYCLIC ALKANE	15.44	1300	J
	CYCLIC ALKANE	15.54	2200	J
	CYCLIC ALKANE	15.91	870	J
	BRANCHED ALKANE	15.99	800	J
	CYCLIC ALKANE	16.08	5700	J
	BRANCHED ALKANE	16.38	3900	J
	UNKNOWN	16.64	770	J
	CYCLIC ALKANE	17.38	3700	J
	UNKNOWN	17.63	23000	J
	BRANCHED ALKANE	17.97	12000	J
	UNKNOWN	18.05	14000	J
	CYCLIC ALKANE	18.18	29000	J
622968	BENZENE, 1-ETHYL-4-METHYL-	19.80	44000	NJ
526738	BENZENE, 1,2,3-TRIMETHYL-	20.09	81000	NJ
527844	BENZENE, 1-METHYL-2-(1-METHYLETHYL)-	20.48	14000	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	20.56	17000	NJ
874419	BENZENE, 1-ETHYL-2,4-DIMETHYL-	21.75	21000	NJ
	C4-BENZENE ISOMER	21.95	49000	J
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	22.36	8000	NJ
488233	BENZENE, 1,2,3,4-TETRAMETHYL-	22.44	28000	NJ
	C4-BENZENE ISOMER	22.88	8200	J
	C4-BENZENE ISOMER	22.97	5400	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	23.09	45000	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP6
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS03
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	4.39	4000	JD
	UNKNOWN	4.49	540	J
	UNKNOWN	4.52	1100	J
620144	BENZENE, 1-ETHYL-3-METHYL-	4.78	2200	NJ
	UNKNOWN	4.93	4000	JD
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	4.96	2300	NJ
1074175	BENZENE, 1-METHYL-2-PROPYL-	5.03	2300	NJ
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	5.09	1100	NJ
	UNKNOWN	5.23	1600	J
	UNKNOWN	5.27	1600	J
1758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	5.34	2300	NJ
	UNKNOWN	5.43	1300	J
	UNKNOWN	5.54	2200	J
	UNKNOWN	5.58	550	J
	UNKNOWN	5.62	810	J
634662	BENZENE, 1,2,3,4-TETRACHLORO-	6.94	4100	NJD
608935	BENZENE, PENTACHLORO-	7.81	2500	NJD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.92	1100	NJ
	UNKNOWN	8.05	1200	J
	UNKNOWN	8.47	1000	J
	UNKNOWN PAH	9.49	960	J
1576676	PHENANTHRENE, 3,6-DIMETHYL-	9.79	630	NJ
243174	11H-BENZO[B]FLUORENE	10.44	470	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP6DL
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS03
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	UNKNOWN	4.39	5900	JD
526738	BENZENE, 1,2,3-TRIMETHYL-	4.60	6100	NJD
620144	BENZENE, 1-ETHYL-3-METHYL-	4.78	4100	NJD
	UNKNOWN	4.93	6300	JD
1758889	BENZENE, 2-ETHYL-1,4-DIMETHYL-	4.96	3500	NJD
1074551	BENZENE, 1-METHYL-4-PROPYL-	5.03	3400	NJD
99876	BENZENE, 1-METHYL-4-(1-METHYLETHYL)-	5.09	1600	NJ
	UNKNOWN	5.23	3000	JD
	UNKNOWN	5.27	1700	J
95932	BENZENE, 1,2,4,5-TETRAMETHYL-	5.34	3800	NJD
2958761	NAPHTHALENE, DECAHYDRO-2-METHYL-	5.43	2700	NJD
	UNKNOWN	5.54	4200	JD
	UNKNOWN	5.58	1100	J
	UNKNOWN	5.62	1600	J
634902	BENZENE, 1,2,3,5-TETRACHLORO-	6.94	3900	NJD
608935	BENZENE, PENTACHLORO-	7.81	2500	NJD
2131422	NAPHTHALENE, 1,4,6-TRIMETHYL-	7.92	1200	NJ
	UNKNOWN	8.05	1200	J
	UNKNOWN	8.47	1300	J
832644	PHENANTHRENE, 4-METHYL-	9.50	1300	NJ
	UNKNOWN	14.19	2400	JD

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP6RE
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS03
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	CYCLIC ALKANE	13.12	770	J
	CYCLIC ALKANE	13.57	1800	J
	BRANCHED ALKENE	15.43	1000	J
	CYCLIC ALKANE	16.08	4900	J
	BRANCHED ALKANE	16.37	4000	J
	CYCLIC ALKANE	17.63	20000	J
95636	BENZENE, 1,2,4-TRIMETHYL-	20.09	360000	NJ
	C4-BENZENE ISOMER	21.95	180000	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ4
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	SS01
Case No.:	32243	Matrix/Level:	Soil/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	15.68	15	J
	BRANCHED ALKANE	16.54	11	J
	CYCLIC ALKANE	16.69	9	J
620144	BENZENE, 1-ETHYL-3-METHYL-	17.73	15	NJ
	C3-BENZENE ISOMER	17.86	15	J
	STRAIGHT-CHAIN ALKANE	17.93	46	J
	BRANCHED ALKANE	18.40	12	J
526738	BENZENE, 1,2,3-TRIMETHYL-	18.46	29	NJ
95363	1,2,4-TRIMETHYLBENZENE	19.11	26	NJ
1074437	BENZENE, 1-METHYL-3-PROPYL-	19.47	11	NJ
934747	BENZENE, 1-ETHYL-3,5-DIMETHYL-	19.57	23	NJ
	STRAIGHT-CHAIN ALKANE	19.78	49	J
	C4-BENZENE ISOMER	19.85	11	J
	CYCLIC ALKANE	20.68	8	J
527537	BENZENE, 1,2,3,5-TETRAMETHYL-	20.81	10	NJ
	STRAIGHT-CHAIN ALKANE	21.40	11	J
933982	BENZENE, 1-ETHYL-2,3-DIMETHYL-	21.45	10	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKPF
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	6.78	21000	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKPH
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	STRAIGHT-CHAIN ALKANE	6.81	7	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKPI
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Soil/Med
SDG No.:	E2DN7	File Name:	E2DN7

CAS No.	Compound Name	RT	Concentration (UG/KG)	Q*
	STRAIGHT-CHAIN ALKANE	6.78	19000	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VHBLK01
Sample Type:	Storage Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DN7	File Name:	E2DN7

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

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 11
Number of Water Samples : 0

Sample Number :	E2DN7		E2DN7MS		E2DN7MSD		E2DN8		E2DN9	
Sampling Location :	SS01		SS01		SS01		SS02		SS02D	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	13		13		13		27		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	7700	U	7700	U	7700	U	17	U	15	U
CHLOROMETHANE	7700	U	7700	U	7700	U	17	U	15	U
VINYL CHLORIDE	7700	U	7700	U	7700	U	3	J	3	J
BROMOMETHANE	7700	U	7700	U	7700	U	17	U	15	U
CHLOROETHANE	7700	U	7700	U	7700	U	17	U	15	U
TRICHLOROFLUOROMETHANE	7700	U	7700	U	7700	U	17	U	15	U
1,1-DICHLOROETHENE	7700	U	25000		23000		17	U	15	UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	7700	UJ	7700	UJ	7700	UJ	17	U	15	U
ACETONE	7700	U	7700	U	7700	U	44		32	
CARBON DISULFIDE	7700	U	7700	U	7700	U	17	U	15	U
METHYL ACETATE	7700	U	6700	J	6500	J	17	U	15	U
METHYLENE CHLORIDE	7700	UJ	7900	J	7300	J	17	UJ	15	UJ
TRANS-1,2-DICHLOROETHENE	7700	U	7700	U	7700	U	17	U	15	U
METHYL TERT-BUTYL ETHER	7700	U	7700	U	7700	U	17	U	15	U
1,1-DICHLOROETHANE	7700	U	7700	U	7700	U	17	U	15	U
CIS-1,2-DICHLOROETHENE	7700	U	7700	U	7700	U	17	U	15	U
2-BUTANONE	7700	U	7700	U	7700	U	13	J	10	J
CHLOROFORM	7700	U	7700	U	7700	U	17	U	15	U
1,1,1-TRICHLOROETHANE	7700	U	7700	U	7700	U	17	U	15	U
CYCLOHEXANE	7700	U	7700	U	7700	U	5	J	6	J
CARBON TETRACHLORIDE	7700	U	7700	U	7700	U	17	U	15	U
BENZENE	7700	U	40000		37000		33		65	J
1,2-DICHLOROETHANE	7700	U	7700	U	7700	U	17	U	15	U
TRICHLOROETHENE	7700	U	38000		34000		17	U	15	UJ
METHYLCYCLOHEXANE	890	J	890	J	810	J	7	J	8	J
1,2-DICHLOROPROPANE	7700	U	7700	U	7700	U	17	U	15	U
BROMODICHLOROMETHANE	7700	U	7700	U	7700	U	17	U	15	U
CIS-1,3-DICHLOROPROPENE	7700	U	7700	U	7700	U	17	U	15	U
4-METHYL-2-PENTANONE	7700	U	7700	U	7700	U	17	U	15	U
TOLUENE	7700	UJ	40000	J	37000	J	3	J	3	J
TRANS-1,3-DICHLOROPROPENE	7700	U	7700	U	7700	U	17	U	15	U
1,1,2-TRICHLOROETHANE	7700	U	7700	U	7700	U	17	U	15	U
TETRACHLOROETHENE	7700	U	7700	U	7700	U	17	U	15	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DN7		E2DN7MS		E2DN7MSD		E2DN8		E2DN9	
Sampling Location :	SS01		SS01		SS01		SS02		SS02D	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	13		13		13		27		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	7700	U	7700	U	7700	U	17	U	15	U
DIBROMOCHLOROMETHANE	7700	U	7700	U	7700	U	17	U	15	U
1,2-DIBROMOETHANE	7700	U	7700	U	7700	U	17	U	15	U
CHLOROBENZENE	19000		60000		55000		190		170	J
ETHYLBENZENE	7700	U	7700	U	7700	U	17	U	15	U
XYLENES (TOTAL)	7700	U	7700	U	7700	U	17	U	2	J
STYRENE	7700	U	7700	U	7700	U	17	U	15	U
BROMOFORM	7700	U	7700	U	7700	U	17	U	15	U
ISOPROPYLBENZENE	7700	U	7700	U	7700	U	17	U	15	U
1,1,2,2-TETRACHLOROETHANE	7700	U	7700	U	7700	U	17	U	15	U
1,3-DICHLOROBENZENE	7700	UJ	7700	U	7700	U	18		13	J
1,4-DICHLOROBENZENE	110000		110000		99000		120		75	
1,2-DICHLOROBENZENE	28000		28000		26000		7	J	6	J
1,2-DIBROMO-3-CHLOROPROPANE	7700	U	7700	U	7700	U	17	U	15	U
1,2,4-TRICHLOROBENZENE	100000		100000		95000		36		11	J

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DN9MS		E2DN9MSD		E2DP0		E2DP1		E2DP2	
Sampling Location :	SS02D		SS02D		SS03		SS04		SS01	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	29		29		20		19		16	
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	14	U	14	U	7900	U	12	U	14	U
CHLOROMETHANE	14	U	14	U	7900	U	12	U	14	U
VINYL CHLORIDE	14	U	14	U	7900	U	12	U	14	U
BROMOMETHANE	14	U	14	U	7900	U	12	U	14	U
CHLOROETHANE	14	U	14	U	7900	U	12	U	14	U
TRICHLOROFLUOROMETHANE	14	U	14	U	7900	U	12	U	14	U
1,1-DICHLOROETHENE	27		25		7900	U	12	U	14	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	14	UJ	14	UJ	7900	UJ	12	UJ	14	U
ACETONE	14	U	14	U	7900	U	28		62	
CARBON DISULFIDE	14	U	14	U	7900	U	12	U	3	J
METHYL ACETATE	14	U	14	U	7900	U	12	U	14	U
METHYLENE CHLORIDE	35	UJ	31	UJ	7900	UJ	12	UJ	14	UJ
TRANS-1,2-DICHLOROETHENE	14	U	14	U	7900	U	12	U	14	U
METHYL TERT-BUTYL ETHER	14	U	14	U	7900	U	12	U	14	U
1,1-DICHLOROETHANE	14	U	14	U	7900	U	12	U	14	U
CIS-1,2-DICHLOROETHENE	14	U	14	U	7900	U	12	U	14	U
2-BUTANONE	14	U	14	U	7900	U	12	U	27	
CHLOROFORM	14	U	14	U	7900	U	12	U	14	U
1,1,1-TRICHLOROETHANE	14	U	14	U	7900	U	12	U	14	U
CYCLOHEXANE	3	J	3	J	7900	U	3	J	5	J
CARBON TETRACHLORIDE	14	U	14	U	7900	U	12	U	14	U
BENZENE	54		47		5000	J	26		13	J
1,2-DICHLOROETHANE	14	U	14	U	7900	U	12	U	14	U
TRICHLOROETHENE	33		28		7900	U	12	U	14	U
METHYLCYCLOHEXANE	6	J	5	J	7900	UJ	5	J	8	J
1,2-DICHLOROPROPANE	14	U	14	U	7900	U	12	U	14	U
BROMODICHLOROMETHANE	14	U	14	U	7900	U	12	U	14	U
CIS-1,3-DICHLOROPROPENE	14	U	14	U	7900	U	12	U	14	U
4-METHYL-2-PENTANONE	14	U	14	U	7900	U	12	U	14	U
TOLUENE	36		33		1100	J	2	J	10	J
TRANS-1,3-DICHLOROPROPENE	14	U	14	U	7900	U	12	U	14	U
1,1,2-TRICHLOROETHANE	14	U	14	U	7900	U	12	U	14	U
TETRACHLOROETHENE	14	U	14	U	7900	U	12	U	14	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DN9MS		E2DN9MSD		E2DP0		E2DP1		E2DP2	
Sampling Location :	SS02D		SS02D		SS03		SS04		SS01	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	29		29		20		19		16	
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	14	U	14	U	7900	U	12	U	14	U
DIBROMOCHLOROMETHANE	14	U	14	U	7900	U	12	U	14	U
1,2-DIBROMOETHANE	14	U	14	U	7900	U	12	U	14	U
CHLOROBENZENE	120		110		84000		190		2	J
ETHYLBENZENE	14	U	14	U	770	J	6	J	2	J
XYLENES (TOTAL)	14	U	14	U	7900	U	1	J	5	J
STYRENE	14	U	14	U	7900	U	12	U	14	U
BROMOFORM	14	U	14	U	7900	U	12	U	14	U
ISOPROPYLBENZENE	14	U	14	U	7900	U	12	U	14	U
1,1,2,2-TETRACHLOROETHANE	14	U	14	U	7900	U	12	U	14	U
1,3-DICHLOROBENZENE	13	J	14		8000		4	J	14	U
1,4-DICHLOROBENZENE	45		44		52000		53		2	J
1,2-DICHLOROBENZENE	3	J	3	J	7900	U	12	U	14	U
1,2-DIBROMO-3-CHLOROPROPANE	14	R	14	R	7900	U	12	R	14	U
1,2,4-TRICHLOROBENZENE	8	J	9	J	10000		12		14	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DP3		E2DP4		E2DP5		E2DP6		E2DP6RE	
Sampling Location :	SS02		SS01		SS02		SS03		SS03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	22		19		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	13	U	14	U	11	U	1300	U	1300	U
CHLOROMETHANE	13	U	14	U	11	U	1300	U	1300	U
VINYL CHLORIDE	13	U	14	U	11	U	1300	U	1300	U
BROMOMETHANE	13	U	14	U	11	U	1300	U	1300	U
CHLOROETHANE	13	U	14	U	11	U	1300	U	1300	U
TRICHLOROFLUOROMETHANE	13	U	14	U	11	U	1300	U	1300	U
1,1-DICHLOROETHENE	13	U	14	U	11	U	1300	U	1300	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	13	U	14	U	11	U	1300	UJ	1300	U
ACETONE	12	J	49		18		1300	U	1300	U
CARBON DISULFIDE	13	U	14	U	3	J	1300	U	1300	U
METHYL ACETATE	13	U	14	U	11	U	520	J	1300	U
METHYLENE CHLORIDE	13	UJ	14	UJ	11	UJ	2800	UJ	1300	U
TRANS-1,2-DICHLOROETHENE	13	U	14	U	11	U	1300	U	1300	U
METHYL TERT-BUTYL ETHER	13	U	14	U	11	U	1300	U	1300	U
1,1-DICHLOROETHANE	13	U	14	U	11	U	1300	U	1300	U
CIS-1,2-DICHLOROETHENE	13	U	14	U	11	U	1300	U	1300	U
2-BUTANONE	13	U	14	U	11	U	1300	U	1300	UJ
CHLOROFORM	13	U	14	U	11	U	1300	U	1300	U
1,1,1-TRICHLOROETHANE	13	U	14	U	11	U	1300	U	1300	U
CYCLOHEXANE	13	U	14	U	1	J	1300	U	1300	U
CARBON TETRACHLORIDE	13	U	14	U	11	U	1300	U	1300	U
BENZENE	13	U	14	U	11	U	1300	U	1300	U
1,2-DICHLOROETHANE	13	U	14	U	11	U	1300	U	1300	U
TRICHLOROETHENE	13	U	14	U	11	U	1300	U	1300	U
METHYLCYCLOHEXANE	1	J	2	J	5	J	560	J	460	J
1,2-DICHLOROPROPANE	13	U	14	U	11	U	1300	U	1300	U
BROMODICHLOROMETHANE	13	U	14	U	11	U	1300	U	1300	U
CIS-1,3-DICHLOROPROPENE	13	U	14	U	11	U	1300	U	1300	U
4-METHYL-2-PENTANONE	13	U	14	U	11	U	1300	U	1300	U
TOLUENE	13	U	14	U	9	J	1300	UJ	1300	U
TRANS-1,3-DICHLOROPROPENE	13	U	14	U	11	U	1300	U	1300	U
1,1,2-TRICHLOROETHANE	13	U	14	U	15		1300	U	1300	U
TETRACHLOROETHENE	13	U	14	U	11	U	1300	U	1300	UJ

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DP3		E2DP4		E2DP5		E2DP6		E2DP6RE	
Sampling Location :	SS02		SS01		SS02		SS03		SS03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	22		19		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	13	U	14	U	130		1300	U	1300	UJ
DIBROMOCHLOROMETHANE	13	U	14	U	11	U	1300	U	1300	U
1,2-DIBROMOETHANE	13	U	14	U	11	U	1300	U	1300	U
CHLOROBENZENE	13	U	14	U	11	U	1300	J	1100	J
ETHYLBENZENE	13	U	14	U	11	U	3200	J	3100	J
XYLENES (TOTAL)	13	U	14	U	4	J	8800	J	8700	J
STYRENE	13	U	14	U	11	U	1300	U	1300	U
BROMOFORM	13	U	14	U	11	U	1300	U	1300	U
ISOPROPYLBENZENE	13	U	14	U	16		7600	J	7500	J
1,1,2,2-TETRACHLOROETHANE	13	U	14	U	11	U	1300	U	1300	U
1,3-DICHLOROBENZENE	13	U	14	U	11	U	1300	U	1300	U
1,4-DICHLOROBENZENE	13	U	14	U	11	U	1800	J	1700	J
1,2-DICHLOROBENZENE	13	U	14	U	11	U	1000	J	1000	J
1,2-DIBROMO-3-CHLOROPROPANE	13	U	14	U	11	U	1300	U	1300	U
1,2,4-TRICHLOROBENZENE	13	U	14	U	11	U	860	J	800	J

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ4		VBLKOA		VBLKOZ		VBLKPF		VBLKPI	
Sampling Location :	SS01									
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	31		N/A		N/A		N/A		N/A	
pH :	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	U	10	U	1300	U	1300	U
CHLOROMETHANE	15	U	10	U	10	U	1300	U	1300	U
VINYL CHLORIDE	15	U	10	U	10	U	1300	U	1300	U
BROMOMETHANE	15	U	10	U	10	U	1300	U	1300	U
CHLOROETHANE	15	U	10	U	10	U	1300	U	1300	U
TRICHLOROFLUOROMETHANE	15	U	10	U	10	U	1300	U	1300	U
1,1-DICHLOROETHENE	15	U	10	U	10	U	1300	U	1300	U
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	15	U	10	UJ	10	U	1300	UJ	1300	U
ACETONE	18		10	U	10	U	1300	U	1300	U
CARBON DISULFIDE	5	J	10	U	10	U	1300	U	1300	U
METHYL ACETATE	15	U	10	U	10	U	1300	U	1300	U
METHYLENE CHLORIDE	15	UJ	17	J	22	J	720	J	620	J
TRANS-1,2-DICHLOROETHENE	15	U	10	U	10	U	1300	U	1300	U
METHYL TERT-BUTYL ETHER	15	U	10	U	10	U	1300	U	1300	U
1,1-DICHLOROETHANE	15	U	10	U	10	U	1300	U	1300	U
CIS-1,2-DICHLOROETHENE	15	U	10	U	10	U	1300	U	1300	U
2-BUTANONE	15	U	10	U	10	U	1300	U	1300	UJ
CHLOROFORM	15	U	10	U	10	U	1300	U	1300	U
1,1,1-TRICHLOROETHANE	15	U	10	U	10	U	1300	U	1300	U
CYCLOHEXANE	15	U	10	U	10	U	1300	U	1300	U
CARBON TETRACHLORIDE	15	U	10	U	10	U	1300	U	1300	U
BENZENE	15	U	10	U	10	U	1300	U	1300	U
1,2-DICHLOROETHANE	15	U	10	U	10	U	1300	U	1300	U
TRICHLOROETHENE	15	U	10	U	10	U	1300	U	1300	U
METHYLCYCLOHEXANE	2	J	10	U	10	U	1300	UJ	1300	U
1,2-DICHLOROPROPANE	15	U	10	U	10	U	1300	U	1300	U
BROMODICHLOROMETHANE	15	U	10	U	10	U	1300	U	1300	U
CIS-1,3-DICHLOROPROPENE	15	U	10	U	10	U	1300	U	1300	U
4-METHYL-2-PENTANONE	15	U	10	U	10	U	1300	U	1300	U
TOLUENE	3	J	10	U	10	U	1300	UJ	1300	U
TRANS-1,3-DICHLOROPROPENE	15	U	10	U	10	U	1300	U	1300	U
1,1,2-TRICHLOROETHANE	15	U	10	U	10	U	1300	U	1300	U
TETRACHLOROETHENE	15	U	10	U	10	U	1300	U	490	J

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ4		VBLKOA		VBLKOZ		VBLKPF		VBLKPI	
Sampling Location :	SS01									
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture .	31		N/A		N/A		N/A		N/A	
pH :	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	U	10	U	10	U	1300	U	1300	UJ
DIBROMOCHLOROMETHANE	15	U	10	U	10	U	1300	U	1300	U
1,2-DIBROMOETHANE	15	U	10	U	10	U	1300	U	1300	U
CHLOROBENZENE	15	U	10	U	10	U	1300	U	1300	U
ETHYLBENZENE	15	U	10	U	10	U	1300	U	1300	U
XYLENES (TOTAL)	2	J	10	U	10	U	1300	U	1300	U
STYRENE	15	U	10	U	10	U	1300	U	1300	U
BROMOFORM	15	U	10	U	10	U	1300	U	1300	U
ISOPROPYLBENZENE	15	U	10	U	10	U	1300	U	1300	U
1,1,2,2-TETRACHLOROETHANE	15	U	10	U	10	U	1300	U	1300	U
1,3-DICHLOROBENZENE	15	U	10	U	10	U	1300	U	1300	U
1,4-DICHLOROBENZENE	15	U	10	U	10	U	1300	U	1300	U
1,2-DICHLOROBENZENE	15	U	10	U	10	U	1300	U	1300	U
1,2-DIBROMO-3-CHLOROPROPANE	15	U	10	R	10	U	1300	U	1300	U
1,2,4-TRICHLOROBENZENE	15	U	1	J	10	U	1300	U	1300	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKPH		VHBLK01							
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							
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	10	U	10	U						
CHLOROMETHANE	10	U	10	U						
VINYL CHLORIDE	10	U	10	U						
BROMOMETHANE	10	U	10	U						
CHLOROETHANE	10	U	10	U						
TRICHLOROFLUOROMETHANE	10	U	10	U						
1,1-DICHLOROETHENE	10	U	10	U						
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	U	10	U						
ACETONE	10	U	10	U						
CARBON DISULFIDE	10	U	10	U						
METHYL ACETATE	10	U	10	U						
METHYLENE CHLORIDE	10	U	1	J						
TRANS-1,2-DICHLOROETHENE	10	U	10	U						
METHYL TERT-BUTYL ETHER	10	U	10	U						
1,1-DICHLOROETHANE	10	U	10	U						
CIS-1,2-DICHLOROETHENE	10	U	10	U						
2-BUTANONE	10	UJ	10	UJ						
CHLOROFORM	10	U	10	U						
1,1,1-TRICHLOROETHANE	10	U	10	U						
CYCLOHEXANE	10	U	10	U						
CARBON TETRACHLORIDE	10	U	10	U						
BENZENE	10	U	10	U						
1,2-DICHLOROETHANE	10	U	10	U						
TRICHLOROETHENE	10	U	10	U						
METHYLCYCLOHEXANE	10	U	10	U						
1,2-DICHLOROPROPANE	10	U	10	U						
BROMODICHLOROMETHANE	10	U	10	U						
CIS-1,3-DICHLOROPROPENE	10	U	10	U						
4-METHYL-2-PENTANONE	10	U	10	U						
TOLUENE	10	U	10	U						
TRANS-1,3-DICHLOROPROPENE	10	U	10	U						
1,1,2-TRICHLOROETHANE	10	U	10	U						
TETRACHLOROETHENE	4	J	10	UJ						

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKPH		VHBLK01							
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							
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-HEXANONE	10	UJ	10	UJ						
DIBROMOCHLOROMETHANE	10	U	10	U						
1,2-DIBROMOETHANE	10	U	10	U						
CHLOROBENZENE	10	U	10	U						
ETHYLBENZENE	10	U	10	U						
XYLENES (TOTAL)	10	U	10	U						
STYRENE	10	U	10	U						
BROMOFORM	10	U	10	U						
ISOPROPYLBENZENE	10	U	10	U						
1,1,2,2-TETRACHLOROETHANE	10	U	10	U						
1,3-DICHLOROBENZENE	10	U	10	U						
1,4-DICHLOROBENZENE	10	U	10	U						
1,2-DICHLOROBENZENE	10	U	10	U						
1,2-DIBROMO-3-CHLOROPROPANE	10	U	10	U						
1,2,4-TRICHLOROBENZENE	10	U	10	U						

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK Number of Soil Samples : 11
Lab. : CEIMIC Number of Water Samples : 0
Reviewer :
Date :

Sample Number :	E2DN7		E2DN7MS		E2DN7MSD		E2DN8		E2DN8DL	
Sampling Location :	SS01		SS01		SS01		SS02		SS02	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	17		17		17		23		23	
pH :	6.6		6.6		6.6		8.5		8.5	
Dilution Factor :	20.0		20.0		20.0		6.0		18.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	190000	UJ	170000	UJ	190000	UJ	2600	UJ	7700	UJ
PHENOL	190000	U	21000	J	27000	J	2600	U	7700	U
BIS-(2-CHLOROETHYL)ETHER	190000	U	170000	U	190000	U	2600	U	7700	U
2-CHLOROPHENOL	190000	U	19000	J	25000	J	2600	U	7700	U
2-METHYLPHENOL	190000	U	170000	U	190000	U	2600	U	7700	U
2,2'-OXYBIS(1- CHLOROPROPANE)	190000	U	170000	U	190000	U	2600	U	7700	U
ACETOPHENONE	190000	U	170000	U	190000	U	2600	U	7700	U
4-METHYLPHENOL	190000	U	170000	U	190000	U	2600	U	7700	U
N-NITROSO-DI-N PROPYLAMINE	190000	R	170000	U	190000	U	2600	U	7700	U
HEXACHLOROETHANE	190000	U	170000	U	190000	U	2600	U	7700	U
NITROBENZENE	190000	U	170000	U	190000	U	2600	U	7700	U
ISOPHORONE	190000	U	170000	U	190000	U	2600	U	7700	U
2-NITROPHENOL	190000	U	170000	U	190000	U	2600	U	7700	U
2,4-DIMETHYLPHENOL	190000	U	170000	U	190000	U	2600	U	7700	U
BIS(2-CHLOROETHOXY)METHANE	190000	U	170000	U	190000	U	2600	U	7700	U
2,4-DICHLOROPHENOL	190000	U	170000	U	190000	U	2600	U	7700	U
NAPHTHALENE	190000	U	170000	U	190000	U	2600	U	7700	U
4-CHLOROANILINE	190000	U	170000	U	190000	U	2600	U	7700	U
HEXACHLOROBUTADIENE	190000	U	170000	U	190000	U	2600	U	7700	U
CAPROLACTAM	190000	U	170000	U	190000	U	2600	UJ	7700	UJ
4-CHLORO-3-METHYLPHENOL	190000	U	28000	J	37000	J	2600	U	7700	U
2-METHYLNAPHTHALENE	190000	U	170000	U	190000	U	2600	U	7700	U
HEXACHLOROCYCLO-PENTADIEN	190000	U	170000	U	190000	U	2600	UJ	7700	UJ
2,4,6-TRICHLOROPHENOL	190000	U	170000	U	190000	U	2600	U	7700	U
2,4,5-TRICHLOROPHENOL	460000	U	430000	U	460000	U	6400	U	19000	U
1,1'-BIPHENYL	190000	U	170000	U	190000	U	2600	U	7700	U
2-CHLORONAPHTHALENE	190000	U	170000	U	190000	U	2600	U	7700	U
2-NITROANILINE	460000	U	430000	U	460000	U	6400	U	19000	U
DIMETHYLPHTHALATE	190000	U	170000	U	190000	U	2600	U	7700	U
2,6-DINITROTOLUENE	190000	U	170000	U	190000	U	2600	U	7700	U
ACENAPHTHYLENE	190000	U	170000	U	190000	U	540	J	7700	U
3-NITROANILINE	460000	U	430000	U	460000	U	6400	U	19000	U
ACENAPHTHENE	190000	UJ	20000	J	28000	J	1300	J	1300	J

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DN7		E2DN7MS		E2DN7MSD		E2DN8		E2DN8DL	
Sampling Location :	SS01		SS01		SS01		SS02		SS02	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	17		17		17		23		23	
pH :	6.6		6.6		6.6		8.5		8.5	
Dilution Factor :	20.0		20.0		20.0		6.0		18.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	460000	U	430000	U	460000	U	6400	U	19000	U
4-NITROPHENOL	460000	U	26000	J	39000	J	6400	UJ	19000	UJ
DIBENZOFURAN	190000	U	170000	U	190000	U	1600	J	1600	J
2,4-DINITROTOLUENE	190000	R	170000	U	190000	U	2600	U	7700	U
DIETHYLPHTHALATE	190000	U	170000	U	190000	U	2600	U	7700	U
FLUORENE	190000	U	170000	U	190000	U	4100		4200	J
4-CHLOROPHENYL-PHENYL ETHER	190000	U	170000	U	190000	U	2600	U	7700	U
4-NITROANILINE	460000	U	430000	U	460000	U	6400	U	19000	U
4,6-DINITRO-2-METHYLPHENOL	460000	U	430000	U	460000	U	6400	U	19000	U
N-NITROSO DIPHENYLAMINE	190000	U	170000	U	190000	U	2600	U	7700	U
4-BROMOPHENYL-PHENYLETHER	190000	U	170000	U	190000	U	2600	U	7700	U
HEXACHLOROBENZENE	190000	U	170000	U	190000	U	630	J	7700	U
ATRAZINE	190000	U	170000	U	190000	U	2600	U	7700	U
PENTACHLOROPHENOL	470000	J	380000	J	520000		10000		8800	J
PHENANTHRENE	190000	U	170000	U	190000	U	16000		17000	
ANTHRACENE	190000	U	170000	U	190000	U	8400		8400	
CARBAZOLE	190000	U	170000	U	190000	U	1300	J	1300	J
DI-N-BUTYLPHTHALATE	190000	U	170000	U	190000	U	2600	U	7700	U
FLUORANTHENE	190000	U	170000	U	190000	U	28000		31000	
PYRENE	190000	U	22000	J	33000	J	29000		30000	
BUTYLBENZYLPHTHALATE	190000	U	170000	U	190000	U	2600	UJ	7700	UJ
3,3'-DICHLOROBENZIDINE	190000	U	170000	U	190000	U	2600	U	7700	U
BENZO(A)ANTHRACENE	190000	U	170000	U	190000	U	17000		17000	
CHRYSENE	190000	U	170000	U	190000	U	15000		16000	
BIS(2-ETHYLHEXYL)PHTHALATE	190000	U	170000	U	190000	U	2600	UJ	7700	UJ
DI-N-OCTYLPHTHALATE	190000	U	170000	U	190000	U	2600	UJ	7700	UJ
BENZO(B)FLUORANTHENE	190000	U	170000	U	190000	U	8600		9300	
BENZO(K)FLUORANTHENE	190000	U	170000	U	190000	U	12000	J	12000	
BENZO(A)PYRENE	190000	U	170000	U	190000	U	11000		12000	
INDENO(1,2,3-CD)-PYRENE	190000	U	170000	U	190000	U	5300		5100	J
DIBENZO(A,H)-ANTHRACENE	190000	U	170000	U	190000	U	2400	J	2600	J
BENZO(G,H,I)PERYLENE	190000	U	170000	U	190000	U	5400	J	5200	J

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DN9		E2DN9DL		E2DP0		E2DP1		E2DP2	
Sampling Location :	SS02D		SS02D		SS03		SS04		SS01	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	20		20		17		21		16	
pH :	8.5		8.5		8.0		8.6		8.7	
Dilution Factor :	3.0		30.0		5.0		3.0		5.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	1200	UJ	12000	UJ	60000	UJ	1200	UJ	1900	UJ
PHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
BIS-(2-CHLOROETHYL)ETHER	1200	U	12000	U	60000	U	1200	U	1900	U
2-CHLOROPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
2-METHYLPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
2,2'-OXYBIS(1- CHLOROPROPANE)	1200	U	12000	U	60000	U	1200	U	1900	U
ACETOPHENONE	1200	U	12000	U	60000	U	1200	U	1900	U
4-METHYLPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
N-NITROSO-DI-N PROPYLAMINE	1200	U	12000	U	60000	U	1200	U	1900	U
HEXACHLOROETHANE	1200	U	12000	U	60000	U	1200	U	1900	U
NITROBENZENE	1200	U	12000	U	60000	U	1200	U	1900	U
ISOPHORONE	1200	U	12000	U	60000	U	1200	U	1900	U
2-NITROPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
2,4-DIMETHYLPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
BIS(2-CHLOROETHOXY)METHANE	1200	U	12000	U	60000	U	1200	U	1900	U
2,4-DICHLOROPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
NAPHTHALENE	1200	U	12000	U	60000	U	270	J	1900	U
4-CHLOROANILINE	1200	U	12000	U	60000	U	360	J	1900	U
HEXACHLOROBUTADIENE	1200	U	12000	U	60000	U	1200	U	1900	U
CAPROLACTAM	1200	UJ	12000	U	60000	UJ	1200	UJ	1900	UJ
4-CHLORO-3-METHYLPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
2-METHYLNAPHTHALENE	1200	U	12000	U	60000	U	160	J	1900	U
HEXACHLOROCYCLO-PENTADIEN	1200	UJ	12000	U	60000	UJ	1200	UJ	1900	UJ
2,4,6-TRICHLOROPHENOL	1200	U	12000	U	60000	U	1200	U	1900	U
2,4,5-TRICHLOROPHENOL	3100	U	31000	U	150000	U	3100	U	4900	U
1,1'-BIPHENYL	1200	U	12000	U	60000	U	410	J	1900	U
2-CHLORONAPHTHALENE	1200	U	12000	U	60000	U	1200	U	1900	U
2-NITROANILINE	3100	U	31000	U	150000	U	3100	U	4900	U
DIMETHYLPHTHALATE	1200	U	12000	U	60000	U	1200	U	1900	U
2,6-DINITROTOLUENE	1200	U	12000	U	60000	U	1200	U	1900	U
ACENAPHTHYLENE	180	J	12000	U	60000	U	1200	U	1900	U
3-NITROANILINE	3100	U	31000	U	150000	U	3100	U	4900	U
ACENAPHTHENE	600	J	12000	U	60000	U	140	J	1200	J

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DN9		E2DN9DL		E2DP0		E2DP1		E2DP2	
Sampling Location :	SS02D		SS02D		SS03		SS04		SS01	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	20		20		17		21		16	
pH :	8.5		8.5		8.0		8.6		8.7	
Dilution Factor :	3.0		30.0		5.0		3.0		5.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	3100	U	31000	U	150000	U	3100	U	4900	U
4-NITROPHENOL	3100	UJ	31000	U	150000	UJ	3100	UJ	4900	UJ
DIBENZOFURAN	620	J	12000	U	60000	U	130	J	1900	U
2,4-DINITROTOLUENE	1200	U	12000	U	60000	U	1200	U	1900	U
DIETHYLPHTHALATE	1200	U	12000	U	60000	U	1200	U	1900	U
FLUORENE	1700		1600	J	60000	U	190	J	310	J
4-CHLOROPHENYL-PHENYL ETHER	1200	U	12000	U	60000	U	1200	U	1900	U
4-NITROANILINE	3100	U	31000	U	150000	U	3100	U	4900	U
4,6-DINITRO-2-METHYLPHENOL	3100	U	31000	U	150000	U	3100	U	4900	U
N-NITROSO DIPHENYLAMINE	1200	U	12000	U	60000	U	1200	U	1900	U
4-BROMOPHENYL-PHENYLETHER	1200	U	12000	U	60000	U	1200	U	1900	U
HEXACHLOROBENZENE	540	J	12000	U	60000	U	1200	U	1900	U
ATRAZINE	1200	U	12000	U	60000	U	1200	U	1900	U
PENTACHLOROPHENOL	72000		51000		150000	U	640	J	230	J
PHENANTHRENE	8800		8400	J	60000	U	530	J	280	J
ANTHRACENE	3700		3200	J	60000	U	170	J	1900	U
CARBAZOLE	460	J	12000	U	60000	U	1200	U	1900	U
DI-N-BUTYLPHTHALATE	1200	U	12000	U	60000	U	1200	U	1900	U
FLUORANTHENE	13000		12000		60000	U	390	J	720	J
PYRENE	12000		9600	J	60000	U	570	J	940	J
BUTYLBENZYLPHTHALATE	1200	UJ	12000	U	60000	UJ	1200	UJ	1900	UJ
3,3'-DICHLOROBENZIDINE	1200	U	12000	U	60000	U	1200	U	1900	U
BENZO(A)ANTHRACENE	6500		5800	J	60000	U	440	J	1900	U
CHRYSENE	6000		5500	J	60000	U	690	J	350	J
BIS(2-ETHYLHEXYL)PHTHALATE	650	J	12000	U	60000	UJ	1200	UJ	840	J
DI-N-OCTYLPHTHALATE	1200	UJ	12000	U	60000	UJ	1200	UJ	1900	UJ
BENZO(B)FLUORANTHENE	3700		3300	J	60000	U	480	J	240	J
BENZO(K)FLUORANTHENE	4000	J	3300	J	60000	U	570	J	1900	U
BENZO(A)PYRENE	4100		3600	J	60000	U	530	J	1900	U
INDENO(1,2,3-CD)-PYRENE	1900		1800	J	60000	U	320	J	1900	U
DIBENZO(A,H)-ANTHRACENE	950	J	12000	U	60000	U	1200	U	1900	U
BENZO(G,H,I)PERYLENE	1900		1700	J	60000	U	270	J	1900	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DP3		E2DP4		E2DP5		E2DP6		E2DP6DL	
Sampling Location :	SS02		SS01		SS02		SS03		SS03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	21		17		16		11		11	
pH :	8.1		8.3		8.6		8.4		8.4	
Dilution Factor :	1.0		3.0		15.0		5.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	420	UJ	1200	UJ	5800	UJ	1800	UJ	3700	UJ
PHENOL	420	U	1200	U	5800	U	1800	U	3700	U
BIS-(2-CHLOROETHYL)ETHER	420	U	1200	U	5800	U	1800	U	3700	U
2-CHLOROPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
2-METHYLPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
2,2'-OXYBIS(1- CHLOROPROPANE)	420	U	1200	U	5800	U	1800	U	3700	U
ACETOPHENONE	420	U	1200	U	5800	U	1800	U	3700	U
4-METHYLPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
N-NITROSO-DI-N PROPYLAMINE	420	U	1200	U	5800	U	1800	U	3700	U
HEXACHLOROETHANE	420	U	1200	U	5800	U	1800	U	3700	U
NITROBENZENE	420	U	1200	U	5800	U	1800	U	3700	U
ISOPHORONE	420	U	1200	U	5800	U	1800	U	3700	U
2-NITROPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
2,4-DIMETHYLPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
BIS(2-CHLOROETHOXY)METHANE	420	U	1200	U	5800	U	1800	U	3700	U
2,4-DICHLOROPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
NAPHTHALENE	420	U	390	J	5800	U	3900		3800	
4-CHLOROANILINE	420	U	1200	U	5800	U	1800	U	3700	U
HEXACHLOROBUTADIENE	420	U	1200	U	5800	U	1800	U	3700	U
CAPROLACTAM	420	UJ	1200	UJ	5800	UJ	1800	UJ	3700	UJ
4-CHLORO-3-METHYLPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
2-METHYLNAPHTHALENE	420	U	320	J	5800	U	860	J	840	J
HEXACHLOROCYCLO-PENTADIEN	420	UJ	1200	UJ	5800	UJ	1800	UJ	3700	UJ
2,4,6-TRICHLOROPHENOL	420	U	1200	U	5800	U	1800	U	3700	U
2,4,5-TRICHLOROPHENOL	1000	U	3000	U	15000	U	4600	U	9200	U
1,1'-BIPHENYL	420	U	1200	U	5800	U	1800	U	3700	U
2-CHLORONAPHTHALENE	420	U	1200	U	5800	U	1800	U	3700	U
2-NITROANILINE	1000	U	3000	U	15000	U	4600	U	9200	U
DIMETHYLPHTHALATE	420	U	1200	U	5800	U	1800	U	3700	U
2,6-DINITROTOLUENE	420	U	1200	U	5800	U	1800	U	3700	U
ACENAPHTHYLENE	420	U	140	J	5800	U	1800	U	3700	U
3-NITROANILINE	1000	U	3000	U	15000	U	4600	U	9200	U
ACENAPHTHENE	46	J	400	J	5800	U	1800	U	3700	U

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DP3		E2DP4		E2DP5		E2DP6		E2DP6DL	
Sampling Location :	SS02		SS01		SS02		SS03		SS03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	21		17		16		11		11	
pH :	8.1		8.3		8.6		8.4		8.4	
Dilution Factor :	1.0		3.0		15.0		5.0		10.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1000	U	3000	U	15000	U	4600	U	9200	U
4-NITROPHENOL	1000	UJ	3000	UJ	15000	UJ	4600	UJ	9200	UJ
DIBENZOFURAN	420	U	310	J	5800	U	1800	U	3700	U
2,4-DINITROTOLUENE	420	U	1200	U	5800	U	1800	U	3700	U
DIETHYLPHTHALATE	420	U	1200	U	5800	U	1800	U	3700	U
FLUORENE	47	J	330	J	5800	U	260	J	3700	U
4-CHLOROPHENYL-PHENYL ETHER	420	U	1200	U	5800	U	1800	U	3700	U
4-NITROANILINE	1000	U	3000	U	15000	U	4600	U	9200	U
4,6-DINITRO-2-METHYLPHENOL	1000	U	3000	U	15000	U	4600	U	9200	U
N-NITROSO DIPHENYLAMINE	420	U	1200	U	5800	U	1800	U	3700	U
4-BROMOPHENYL-PHENYLETHER	420	U	1200	U	5800	U	1800	U	3700	U
HEXACHLOROBENZENE	420	U	1200	U	5800	U	3000		2900	J
ATRAZINE	420	U	1200	U	5800	U	1800	U	3700	U
PENTACHLOROPHENOL	1000	U	3000	U	15000	U	20000		20000	
PHENANTHRENE	750		1300		650	J	3700		3600	J
ANTHRACENE	110	J	300	J	5800	U	920	J	880	J
CARBAZOLE	73	J	1200	U	5800	U	1800	U	3700	U
DI-N-BUTYLPHTHALATE	420	U	1200	U	5800	U	1800	U	3700	U
FLUORANTHENE	1300		1600		730	J	5700		5500	
PYRENE	1400		1600		780	J	6400		6200	
BUTYLBENZYLPHTHALATE	420	UJ	1200	UJ	5800	UJ	1800	UJ	3700	UJ
3,3'-DICHLOROBENZIDINE	420	U	1200	U	5800	U	1800	U	3700	U
BENZO(A)ANTHRACENE	570		820	J	5800	U	2900		2700	J
CHRYSENE	630		1100	J	5800	U	2700		2700	J
BIS(2-ETHYLHEXYL)PHTHALATE	420	UJ	380	J	5800	UJ	1000	J	950	J
DI-N-OCTYLPHTHALATE	420	UJ	1200	UJ	5800	UJ	1800	UJ	3700	UJ
BENZO(B)FLUORANTHENE	450		1200		5800	U	2000		2000	J
BENZO(K)FLUORANTHENE	560		930	J	5800	U	2100		2100	J
BENZO(A)PYRENE	490		880	J	5800	U	2400		2300	J
INDENO(1,2,3-CD)-PYRENE	310	J	540	J	5800	U	1300	J	1200	J
DIBENZO(A,H)-ANTHRACENE	110	J	210	J	5800	U	480	J	3700	U
BENZO(G,H,I)PERYLENE	97	J	540	J	5800	U	1100	J	1200	J

Case #: 32243 SDG : E2DN7
Site . DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ4		E2DQ4MS		E2DQ4MSD		SBLKAL		SBLKAQ	
Sampling Location :	SS01		SS01		SS01					
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	26		26		26		N/A		N/A	
pH :	7.5		7.5		7.5					
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	440	UJ	440	UJ	440	UJ	330	UJ	10000	UJ
PHENOL	440	U	1800		1800		330	U	10000	U
BIS-(2-CHLOROETHYL)ETHER	440	U	440	U	440	U	330	U	10000	U
2-CHLOROPHENOL	440	U	1700		1700		330	U	10000	U
2-METHYLPHENOL	440	U	440	U	440	U	330	U	10000	U
2,2'-OXYBIS(1- CHLOROPROPANE)	440	U	440	U	440	U	330	U	10000	U
ACETOPHENONE	440	U	440	U	440	U	330	U	10000	U
4-METHYLPHENOL	440	U	440	U	440	U	330	U	10000	U
N-NITROSO-DI-N PROPYLAMINE	440	U	1300		1300		330	U	10000	U
HEXACHLOROETHANE	440	U	440	U	440	U	330	U	10000	U
NITROBENZENE	440	U	440	U	440	U	330	U	10000	U
ISOPHORONE	440	U	440	U	440	U	330	U	10000	U
2-NITROPHENOL	440	U	440	U	440	U	330	U	10000	U
2,4-DIMETHYLPHENOL	440	U	440	U	440	U	330	U	10000	U
BIS(2-CHLOROETHOXY)METHANE	440	U	440	U	440	U	330	U	10000	U
2,4-DICHLOROPHENOL	440	U	440	U	440	U	330	U	10000	U
NAPHTHALENE	440	U	170	J	2300		330	U	10000	U
4-CHLOROANILINE	440	U	440	U	440	U	330	U	10000	U
HEXACHLOROBUTADIENE	440	U	440	U	440	U	330	U	10000	U
CAPROLACTAM	440	UJ	440	UJ	440	UJ	330	U	10000	U
4-CHLORO-3-METHYLPHENOL	440	U	2600		2500		330	U	10000	U
2-METHYLNAPHTHALENE	440	U	86	J	1900		330	U	10000	U
HEXACHLOROCYCLO-PENTADIEN	440	UJ	440	UJ	440	UJ	330	U	10000	U
2,4,6-TRICHLOROPHENOL	440	U	440	U	440	U	330	U	10000	U
2,4,5-TRICHLOROPHENOL	1100	U	1100	U	1100	U	830	U	25000	U
1,1'-BIPHENYL	440	U	440	U	170	J	330	U	10000	U
2-CHLORONAPHTHALENE	440	U	440	U	440	U	330	U	10000	U
2-NITROANILINE	1100	U	1100	U	1100	U	830	U	25000	U
DIMETHYLPHTHALATE	440	U	440	U	440	U	330	U	10000	U
2,6-DINITROTOLUENE	440	U	440	U	440	U	330	U	10000	U
ACENAPHTHYLENE	440	U	440	U	440	U	330	U	10000	U
3-NITROANILINE	1100	U	1100	U	1100	U	830	U	25000	U
ACENAPHTHENE	440	UJ	1500		1900		330	U	10000	U

Case # 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ4		E2DQ4MS		E2DQ4MSD		SBLKAL		SBLKAQ	
Sampling Location :	SS01		SS01		SS01					
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	26		26		26		N/A		N/A	
pH :	7.5		7.5		7.5					
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	1100	U	1100	U	1100	U	830	U	25000	U
4-NITROPHENOL	1100	UJ	3000	J	2900	J	830	U	25000	U
DIBENZOFURAN	46	J	80	J	800		330	U	10000	U
2,4-DINITROTOLUENE	440	U	1700		1700		330	U	10000	U
DIETHYLPHTHALATE	440	U	440	U	440	U	330	U	10000	U
FLUORENE	48	J	67	J	700		330	U	10000	U
4-CHLOROPHENYL-PHENYL ETHER	440	U	440	U	440	U	330	U	10000	U
4-NITROANILINE	1100	U	1100	U	1100	U	830	U	25000	U
4,6-DINITRO-2-METHYLPHENOL	1100	U	1100	U	1100	U	830	U	25000	U
N-NITROSO DIPHENYLAMINE	440	U	440	U	440	U	330	U	10000	U
4-BROMOPHENYL-PHENYLETHER	440	U	440	U	440	U	330	U	10000	U
HEXACHLOROBENZENE	440	U	440	U	440	U	330	U	10000	U
ATRAZINE	440	U	440	U	440	U	330	U	10000	U
PENTACHLOROPHENOL	100	J	1800		1900		830	U	25000	U
PHENANTHRENE	270	J	320	J	1300		330	U	10000	U
ANTHRACENE	63	J	72	J	360	J	330	U	10000	U
CARBAZOLE	440	U	440	U	350	J	330	U	10000	U
DI-N-BUTYLPHTHALATE	440	U	440	U	440	U	330	U	10000	U
FLUORANTHENE	350	J	340	J	600		330	U	10000	U
PYRENE	400	J	2300		2600		330	U	10000	U
BUTYLBENZYLPHTHALATE	440	UJ	440	UJ	440	UJ	330	U	10000	U
3,3'-DICHLOROBENZIDINE	440	U	440	U	440	U	330	U	10000	U
BENZO(A)ANTHRACENE	160	J	180	J	320	J	330	U	10000	U
CHRYSENE	170	J	180	J	350	J	330	U	10000	U
BIS(2-ETHYLHEXYL)PHTHALATE	550	J	1000	J	1100	J	330	U	10000	U
DI-N-OCTYLPHTHALATE	440	UJ	440	UJ	440	UJ	330	U	10000	U
BENZO(B)FLUORANTHENE	150	J	160	J	260	J	330	U	10000	U
BENZO(K)FLUORANTHENE	120	J	140	J	230	J	330	U	10000	U
BENZO(A)PYRENE	140	J	150	J	270	J	330	U	10000	U
INDENO(1,2,3-CD)-PYRENE	85	J	89	J	160	J	330	U	10000	U
DIBENZO(A,H)-ANTHRACENE	440	U	440	U	440	U	330	U	10000	U
BENZO(G,H,I)PERYLENE	440	U	76	J	140	J	330	U	10000	U

Case #: 32243 SDG : E2DN7
Site DEAD CREEK
Lab. : CEIMIC
Reviewer .
Date :

Sample Number :	SBLKKK		SBLKKL		SBLKKM					
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	330	UJ	10000	UJ				
PHENOL	330	U	330	U	10000	U				
BIS-(2-CHLOROETHYL)ETHER	330	U	330	U	10000	U				
2-CHLOROPHENOL	330	U	330	U	10000	U				
2-METHYLPHENOL	330	U	330	U	10000	U				
2,2'-OXYBIS(1- CHLOROPROPANE)	330	U	330	U	10000	U				
ACETOPHENONE	330	U	330	U	10000	U				
4-METHYLPHENOL	330	U	330	U	10000	U				
N-NITROSO-DI-N PROPYLAMINE	330	U	330	U	10000	U				
HEXACHLOROETHANE	330	U	330	U	10000	U				
NITROBENZENE	330	U	330	U	10000	U				
ISOPHORONE	330	U	330	U	10000	U				
2-NITROPHENOL	330	U	330	U	10000	U				
2,4-DIMETHYLPHENOL	330	U	330	U	10000	U				
BIS(2-CHLOROETHOXY)METHANE	330	U	330	U	10000	U				
2,4-DICHLOROPHENOL	330	U	330	U	10000	U				
NAPHTHALENE	330	U	330	U	10000	U				
4-CHLOROANILINE	330	U	330	U	10000	U				
HEXACHLOROBUTADIENE	330	U	330	U	10000	U				
CAPROLACTAM	330	UJ	330	UJ	10000	UJ				
4-CHLORO-3-METHYLPHENOL	330	U	330	U	10000	U				
2-METHYLNAPHTHALENE	330	U	330	U	10000	U				
HEXACHLOROCYCLO-PENTADIEN	330	UJ	330	UJ	10000	UJ				
2,4,6-TRICHLOROPHENOL	330	U	330	U	10000	U				
2,4,5-TRICHLOROPHENOL	830	U	830	U	25000	U				
1,1'-BIPHENYL	330	U	330	U	10000	U				
2-CHLORONAPHTHALENE	330	U	330	U	10000	U				
2-NITROANILINE	830	U	830	U	25000	U				
DIMETHYLPHTHALATE	330	U	330	U	10000	U				
2,6-DINITROTOLUENE	330	U	330	U	10000	U				
ACENAPHTHYLENE	330	U	330	U	10000	U				
3-NITROANILINE	830	U	830	U	25000	U				
ACENAPHTHENE	330	U	330	U	10000	U				

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	SBLKKK		SBLKKL		SBLKKM					
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	830	U	25000	U				
4-NITROPHENOL	830	UJ	830	UJ	25000	UJ				
DIBENZOFURAN	330	U	330	U	10000	U				
2,4-DINITROTOLUENE	330	U	330	U	10000	U				
DIETHYLPHTHALATE	330	U	330	U	10000	U				
FLUORENE	330	U	330	U	10000	U				
4-CHLOROPHENYL-PHENYL ETHER	330	U	330	U	10000	U				
4-NITROANILINE	830	U	830	U	25000	U				
4,6-DINITRO-2-METHYLPHENOL	830	U	830	U	25000	U				
N-NITROSO DIPHENYLAMINE	330	U	330	U	10000	U				
4-BROMOPHENYL-PHENYLETHER	330	U	330	U	10000	U				
HEXACHLOROBENZENE	330	U	330	U	10000	U				
ATRAZINE	330	U	330	U	10000	U				
PENTACHLOROPHENOL	830	U	830	U	25000	U				
PHENANTHRENE	330	U	330	U	10000	U				
ANTHRACENE	330	U	330	U	10000	U				
CARBAZOLE	330	U	330	U	10000	U				
DI-N-BUTYLPHTHALATE	330	U	330	U	10000	U				
FLUORANTHENE	330	U	330	U	10000	U				
PYRENE	330	U	330	U	10000	U				
BUTYLBENZYLPHTHALATE	330	UJ	330	UJ	10000	UJ				
3,3'-DICHLOROBENZIDINE	330	U	330	U	10000	U				
BENZO(A)ANTHRACENE	330	U	330	U	10000	U				
CHRYSENE	330	U	330	U	10000	U				
BIS(2-ETHYLHEXYL)PHTHALATE	330	UJ	35	J	1400	J				
DI-N-OCTYLPHTHALATE	330	UJ	330	UJ	10000	UJ				
BENZO(B)FLUORANTHENE	330	U	330	U	10000	U				
BENZO(K)FLUORANTHENE	330	U	330	U	10000	U				
BENZO(A)PYRENE	330	U	330	U	10000	U				
INDENO(1,2,3-CD)-PYRENE	330	U	330	U	10000	U				
DIBENZO(A,H)-ANTHRACENE	330	U	330	U	10000	U				
BENZO(G,H,I)PERYLENE	330	U	330	U	10000	U				

Case #: 32243 SDG : E2DN7
Site DEAD CREEK Number of Soil Samples 11
Lab. : CEIMIC Number of Water Samples . 0
Reviewer :
Date :

Sample Number :	E2DN7		E2DN7DL		E2DN7MS		E2DN7MSD		E2DN8	
Sampling Location :	SS01		SS01		SS01		SS01		SS02	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	17		17		17		17		23	
pH :	6.6		6.6		6.6		6.6		8.5	
Dilution Factor :	10.0		100.0		10.0		10.0		100.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	20	U	200	U	20	U	20	U	220	U
BETA-BHC	20	U	200	U	20	U	20	U	220	U
DELTA-BHC	20	U	200	U	20	U	20	U	220	U
GAMMA-BHC (LINDANE)	20	R	200	U	20	U	20	U	220	U
HEPTACHLOR	20	R	200	U	20	U	20	U	220	U
ALDRIN	100	J	200	U	180	J	220	J	800	
HEPTACHLOR EPOXIDE	20	U	200	U	20	U	20	U	220	U
ENDOSU1FAN I	20	U	200	U	20	U	20	U	220	U
DIELDRIN	40		390	U	77	J	70	J	430	U
4,4'-DDE	44	J	390	U	60	J	100	J	430	U
ENDRIN	39	U	390	U	96	J	99	J	430	U
ENDOSULFAN II	39	U	390	U	39	U	39	U	430	U
4,4'-DDD	700		840		1000	J	1400		1100	
ENDOSULFAN SULFATE	39	U	390	U	39	U	39	U	430	U
4,4'-DDT	670	J	940	J	730	J	800	J	18000	
METHOXYCHLOR	200	U	2000	U	200	U	200	U	2200	U
ENDRIN KETONE	330	J	390	U	39	U	39	U	430	U
ENDRIN ALDEHYDE	39	U	390	U	39	U	39	U	430	U
ALPHA-CHLORDANE	20	U	200	U	34	J	36	J	220	U
GAMMA-CHLORDANE	130		200	U	20	U	20	U	220	U
TOXAPHENE	2000	U	20000	U	2000	U	2000	U	22000	U
AROCLOR-1016	390	U	3900	U	390	U	390	U	4300	U
AROCLOR-1221	800	U	8000	U	800	U	800	U	8600	U
AROCLOR-1232	390	U	3900	U	390	U	390	U	4300	U
AROCLOR-1242	390	U	3900	U	390	U	390	U	4300	U
AROCLOR-1248	3300	J	5800		5600	J	8100		19000	
AROCLOR-1254	390	U	3900	U	390	U	390	U	4300	U
AROCLOR-1260	7000	J	10000	J	8200		10000		11000	

Case # 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date

Sample Number :	E2DN8DL		E2DN9		E2DN9DL		E2DP0		E2DP0DL	
Sampling Location :	SS02		SS02D		SS02D		SS03		SS03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	23		20		20		17		17	
pH :	8.5		8.5		8.5		8.0		8.0	
Dilution Factor :	1000.0		10.0		100.0		10.0		100.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2200	U	21	U	210	U	20	U	200	U
BETA-BHC	2200	U	24	J	210	U	20	U	200	U
DELTA-BHC	2200	U	21	U	210	U	20	U	200	U
GAMMA-BHC (LINDANE)	2200	U	21	U	210	U	20	U	200	U
HEPTACHLOR	2200	U	21	U	210	U	20	U	200	U
ALDRIN	2200	U	200		240	J	91		200	U
HEPTACHLOR EPOXIDE	2200	U	21	U	210	U	20	U	200	U
ENDOSU1FAN I	2200	U	21	U	210	U	20	U	200	U
DIELDRIN	4300	U	140		410	U	73		390	U
4,4'-DDE	4300	U	180	J	410	U	85	J	390	U
ENDRIN	4300	U	41	U	410	U	39	U	390	U
ENDOSULFAN II	4300	U	200	J	410	U	39	U	390	U
4,4'-DDD	4300	U	650	J	780	J	330	J	390	U
ENDOSULFAN SULFATE	4300	U	41	U	410	U	39	U	390	U
4,4'-DDT	26000		41	U	3700		140	J	390	U
METHOXYCHLOR	22000	U	210	U	2100	U	200	U	2000	U
ENDRIN KETONE	4300	U	41	U	410	U	39	U	390	U
ENDRIN ALDEHYDE	4300	U	41	U	410	U	39	U	390	U
ALPHA-CHLORDANE	2200	U	21	U	210	U	20	U	200	U
GAMMA-CHLORDANE	2200	U	21	U	210	U	20	U	200	U
TOXAPHENE	220000	U	2100	U	21000	U	2000	U	20000	U
AROCLOR-1016	43000	U	410	U	4100	U	390	U	3900	U
AROCLOR-1221	86000	U	830	U	8300	U	800	U	8000	U
AROCLOR-1232	43000	U	410	U	4100	U	390	U	3900	U
AROCLOR-1242	43000	U	410	U	4100	U	390	U	3900	U
AROCLOR-1248	22000	J	5400	J	6200	J	4300	J	6100	
AROCLOR-1254	43000	U	410	U	4100	U	390	U	3900	U
AROCLOR-1260	43000	U	18000		9400	J	9200		12000	J

Analytical Results (Qualified Data)

Case # 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DP1		E2DP1DL		E2DP2		E2DP3		E2DP4	
Sampling Location :	SS04		SS04		SS01		SS02		SS01	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	21		21		16		21		17	
pH :	8.6		8.6		8.7		8.1		8.3	
Dilution Factor :	100.0		1000.0		1.0		1.0		1.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	210	U	2100	U	2.0	U	2.1	U	2.0	U
BETA-BHC	210	U	2100	U	2.0	U	2.1	U	2.0	U
DELTA-BHC	210	U	2100	U	2.0	U	2.1	U	2.0	U
GAMMA-BHC (LINDANE)	210	U	2100	U	2.0	U	2.1	U	2.0	U
HEPTACHLOR	210	U	2100	U	2.0	U	2.1	U	2.0	U
ALDRIN	210	U	2100	U	2.2		2.1	U	2.0	U
HEPTACHLOR EPOXIDE	210	U	2100	U	2.0	U	2.1	U	2.0	U
ENDOSU1FAN I	210	U	2100	U	2.0	U	2.1	U	2.0	U
DIELDRIN	410	U	4100	U	3.9	U	17		17	J
4,4'-DDE	410	U	4100	U	3.9	U	4.1	U	4.0	U
ENDRIN	590		4100	U	3.9	U	4.1	U	4.0	U
ENDOSULFAN II	1400	J	4100	U	3.9	U	4.1	U	4.0	U
4,4'-DDD	1800	J	4100	U	3.9	U	4.1	U	4.1	J
ENDOSULFAN SULFATE	410	U	4100	U	3.9	U	4.1	U	4.0	U
4,4'-DDT	2300	J	4100	U	9.6	J	4.1	U	13	J
METHOXYCHLOR	2100	U	21000	U	20	U	21	U	20	U
ENDRIN KETONE	410	U	4100	U	3.9	U	4.1	U	4.0	U
ENDRIN ALDEHYDE	410	U	4100	U	3.9	U	4.1	U	4.0	U
ALPHA-CHLORDANE	210	U	2100	U	2.0	U	2.1	U	3.7	J
GAMMA-CHLORDANE	210	U	2100	U	2.0	U	2.5		8.9	J
TOXAPHENE	21000	U	210000	U	200	U	210	U	200	U
AROCLOR-1016	4100	U	41000	U	39	U	41	U	40	U
AROCLOR-1221	8400	U	84000	U	79	U	84	U	80	U
AROCLOR-1232	4100	U	41000	U	39	U	41	U	40	U
AROCLOR-1242	4100	U	41000	U	39	U	41	U	40	U
AROCLOR-1248	5100	J	5700	J	67	J	41	U	40	U
AROCLOR-1254	4100	U	41000	U	39	U	41	U	40	U
AROCLOR-1260	58000		74000	J	110	J	41	U	40	U

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. CEIMIC
Reviewer :
Date :

Sample Number :	E2DP5		E2DP6		E2DP6DL		E2DQ4		E2DQ4DL	
Sampling Location :	SS02		SS03		SS03		SS01		SS01	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :										
Time Sampled :										
%Moisture :	16		11		11		26		26	
pH :	8.6		8.4		8.4		7.5		7.5	
Dilution Factor :	1.0		1.0		10.0		1.0		10.0	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.0	U	1.9	U	19	U	2.3	U	23	U
BETA-BHC	2.0	U	3.5	J	30	J	2.3	U	23	U
DELTA-BHC	2.0	U	1.9	U	19	U	2.3	U	23	U
GAMMA-BHC (LINDANE)	2.0	U	2.6	J	19	U	2.3	U	23	U
HEPTACHLOR	2.0	U	29	J	47	J	2.3	U	23	U
ALDRIN	2.0	U	30	J	61	J	9.0		23	U
HEPTACHLOR EPOXIDE	2.0	U	1.9	U	19	U	2.3	U	23	U
ENDOSU1FAN I	2.0	U	1.9	U	19	U	2.3	U	23	U
DIELDRIN	3.9	U	7.8	J	36	U	4.4	U	44	U
4,4'-DDE	3.9	U	32	J	36	U	4.4	U	44	U
ENDRIN	3.9	U	28	J	36	U	4.4	U	44	U
ENDOSULFAN II	3.9	U	24	J	36	U	22	J	44	U
4,4'-DDD	3.9	U	3.6	U	36	U	4.4	U	44	U
ENDOSULFAN SULFATE	3.9	U	32	J	51	J	4.4	U	44	U
4,4'-DDT	3.9	U	34	J	36	U	4.4	U	44	U
METHOXYCHLOR	20	U	74	J	190	U	23	U	230	U
ENDRIN KETONE	3.9	U	44	J	36	U	4.4	U	44	U
ENDRIN ALDEHYDE	3.9	U	3.6	U	36	U	4.4	U	44	U
ALPHA-CHLORDANE	2.0	U	1.9	U	19	U	2.3	U	23	U
GAMMA-CHLORDANE	2.0	U	1.9	U	19	U	2.3	U	23	U
TOXAPHENE	200	U	190	U	1900	U	230	U	2300	U
AROCLOR-1016	39	U	36	U	360	U	44	U	440	U
AROCLOR-1221	79	U	74	U	740	U	90	U	900	U
AROCLOR-1232	39	U	36	U	360	U	44	U	440	U
AROCLOR-1242	39	U	36	U	360	U	44	U	440	U
AROCLOR-1248	39	U	740	J	1500	J	44	U	440	U
AROCLOR-1254	39	U	36	U	360	U	44	U	1000	
AROCLOR-1260	39	U	1500	J	1300	J	44	U	440	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DN7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	PBLK01									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :										
Dilution Factor :	1.0									
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	1.7	U								
BETA-BHC	1.7	U								
DELTA-BHC	1.7	U								
GAMMA-BHC (LINDANE)	1.7	U								
HEPTACHLOR	1.7	U								
ALDRIN	1.7	U								
HEPTACHLOR EPOXIDE	1.7	U								
ENDOSU1FAN I	1.7	U								
DIELDRIN	3.3	U								
4,4'-DDE	3.3	U								
ENDRIN	3.3	U								
ENDOSULFAN II	3.3	U								
4,4'-DDD	3.3	U								
ENDOSULFAN SULFATE	3.3	U								
4,4'-DDT	3.3	U								
METHOXYCHLOR	17	U								
ENDRIN KETONE	3.3	U								
ENDRIN ALDEHYDE	3.3	U								
ALPHA-CHLORDANE	1.7	U								
GAMMA-CHLORDANE	1.7	U								
TOXAPHENE	170	U								
AROCLOR-1016	33	U								
AROCLOR-1221	4.8	U								
AROCLOR-1232	33	U								
AROCLOR-1242	33	U								
AROCLOR-1248	33	U								
AROCLOR-1254	33	U								
AROCLOR-1260	33	U								

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 10-24-03

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

TO: Data User: Terra Tech

We have reviewed the data for the following case:

SITE NAME: Summit Site N (IL)

CASE NUMBER: 32243 SDG NUMBER: E2DN7

Number and Type of Samples: 11 (soil)

Sample Numbers: E2DN7-9, E2DP0-6, E2DQ4

Laboratory: Ceimic Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVERSHEET

Lab Name: Ceimic Corporation **Lab Code:** CEIMIC

Case No.: 32243 **Bid Lot:** L

Contract No: 68-W-03-018 **Full Sample Analysis Price:** $390.00

First Sample in SDG: E2DN7 **Sample Receipt Date:** 10/10/2003
(Lowest EPA Sample Number in the first shipment of samples received under SDG.)

Last Sample in SDG: E2DQ4 **Sample Receipt Date:** 10/10/2003
(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. E2DN7	**11.** E2DQ4
2. E2DN8	**12.**
3. E2DN9	**13.**
4. E2DP0	**14.**
5. E2DP1	**15.**
6. E2DP2	**16.**
7. E2DP3	**17.**
8. E2DP4	**18.**
9. E2DP5	**19.**
10. E2DP6	**20.**

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 Robinson
Signature

10/22/03
Date

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

Case No: 32243
DAS No:
SDG No: E2DN7

L

Date Shipped:	10/9/2003
Carrier Name:	FedEx
Airbill:	841513028958
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 K. Kuch	10/9/03 1200	Elizabeth Astuing	10/10/03 10:00
2 EA			
3		10/10/03	
4			

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	L/ 1
Transfer To:	EA 10/10/03
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
E2DN7	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216403 (Ice Only), 5216404 (Ice Only), 5216405 (NaHSO4), 5216406 (NaHSO4), 5216407 (NaHSO4), 5216408 (NaHSO4), 5216409 (NaHSO4), 5216410 (NaHSO4), 5216442 (Methanol), 5216443 (Methanol), 5216444 (Methanol) (11)	SS01	S: 10/7/2003	8:45	ME2DN7	
E2DN8	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216413 (Ice Only), 5216414 (Ice Only), 5216415 (NaHSO4), 5216416 (NaHSO4), 5216417 (Methanol) (5)	SS02	S: 10/7/2003	9:55	ME2DN8	
E2DN9	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216421 (Ice Only), 5216422 (Ice Only), 5216423 (NaHSO4), 5216424 (NaHSO4), 5216425 (Methanol) (5)	SS02D	S: 10/7/2003	9:55	ME2DN9	
E2DP0	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216429 (Ice Only), 5216430 (Ice Only), 5216431 (Ice Only), 5216432 (Ice Only), 5216433 (Ice Only) (5)	SS03	S: 10/7/2003	10:15	ME2DP0	
E2DP1	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216436 (Ice Only), 5216437 (Ice Only), 5216438 (NaHSO4), 5216439 (NaHSO4), 5216440 (Methanol) (5)	SS04	S: 10/7/2003	11:50	ME2DP1	

Shipment for Case Complete N	Sample(s) to be used for laboratory QC: E2DN7	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt EA 10/10/03	Chain of Custody Seal Number: 83052, 83053
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: 5-515281857-100903-0002

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: 32243
DAS No:
SDG No: E2DN7

L

Date Shipped:	10/9/2003
Carrier Name:	FedEx
Airbill:	841513028958
Shipped to:	Celmic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: Karen Kuehn

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 K Kuehn	10/9/03 1200	Elizabeth Astuto	10/10/03 10:00
2 EA			
3		10/10/03	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	L/1
Transfer To:	EA 10/10/03
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
E2DP2	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216446 (Ice Only), 5216447 (Ice Only), 5216448 (NaHSO4), 5216449 (NaHSO4), 5216450 (Methanol) (5)	SS01	S: 10/7/2003	15:30	ME2DP2	
E2DP3	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216453 (Ice Only), 5216454 (Ice Only), 5216455 (NaHSO4), 5216456 (NaHSO4), 5216457 (Methanol) (5)	SS02	S: 10/7/2003	16:10	ME2DP3	
E2DP4	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216460 (Ice Only), 5216461 (Ice Only), 5216462 (NaHSO4), 5216463 (NaHSO4), 5216464 (Methanol) (5)	SS01	S: 10/8/2003	8:45	ME2DP4	
E2DP5	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216467 (Ice Only), 5216468 (Ice Only), 5216469 (NaHSO4), 5216470 (NaHSO4), 5216471 (Methanol) (5)	SS02	S: 10/8/2003	10:15	ME2DP5	
E2DP6	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216474 (Ice Only), 5216475 (Ice Only), 5216476 (NaHSO4), 5216477 (NaHSO4), 5216478 (Methanol) (5)	SS03	S: 10/8/2003	11:00	ME2DP6	
E2DQ4	Soil (>12")/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216542 (Ice Only), 5216543 (Ice Only), 5216544 (NaHSO4), 5216545 (NaHSO4), 5216546 (Methanol) (5)	SS01	S: 10/8/2003	15:40	ME2DQ4	

Shipment Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt	Chain of Custody Seal Number:
	E2DN7		EA 10/10/03	83052, 83053

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: 5-515281857-100903-0002

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

-17-

SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 32243, SDG No. E2DN7, Contract No. 68-W-03-018. Under this SDG there are 13 VOA, 15 SVOA and 13 PEST/PCB analyses for 11 soil samples received at Ceimic Corporation on October 10, 2003.

EPA ID:	CEIMIC ID:	Analysis
E2DN7	031434-01	VOA, SVOA, PEST/PCB
E2DN7MS	031434-01MS	VOA, SVOA, PEST/PCB
E2DN7MSD	031434-01MSD	VOA, SVOA, PEST/PCB
E2DN8	031434-02	VOA, SVOA, PEST/PCB
E2DN9	031434-03	VOA, SVOA, PEST/PCB
E2DP0	031434-04	VOA, SVOA, PEST/PCB
E2DP1	031434-05	VOA, SVOA, PEST/PCB
E2DP2	031434-06	VOA, SVOA, PEST/PCB
E2DP3	031434-07	VOA, SVOA, PEST/PCB
E2DP4	031434-08	VOA, SVOA, PEST/PCB
E2DP5	031434-09	VOA, SVOA, PEST/PCB
E2DP6	031434-10	VOA, SVOA, PEST/PCB
E2DQ4	031434-11	VOA, SVOA, PEST/PCB
E2DQ4MS	031434-11MS	SVOA
E2DQ4MSD	031434-11MSD	SVOA

Sample Receipt

Cooler Temperatures upon receipt were 6°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS15 HP5970B GC/MS,105m, 0.53mm ID, 3 um, RTX-VOL megabore column
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

MS16 HP5972 GC/MS, 30m, 0.32mm ID, 1.8 um, DB-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS1 HP5890SeriesII GC, HP5972 MS, 30 m, 0.25 mm ID, ZB-5 fused silica capillary column

MS11 HP6890 GC, HP5973 MS, 30 m, 0.25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD17: HP5890II (GC6) using 30m x .053mm ID, DB5 megabore column
AD18: HP5890II (GC6) using 30m x .053mm ID, DB35 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letters "M" for GC/MS and "FF" for GC are 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:
E2DN7	031434-01	13
E2DN8	031434-02	27
E2DN9	031434-03	29
E2DP0	031434-04	20
E2DP1	031434-05	19
E2DP2	031434-06	16
E2DP3	031434-07	22
E2DP4	031434-08	19
E2DP5	031434-09	19
E2DP6	031434-10	19
E2DQ4	031434-11	31

The following samples were analyzed as Medium Level Solids:

Client ID:	Ceimic ID:	Aliquot Volume
E2DN7	031434-01	20 µL
E2DP0	031434-04	20 µL
E2DP6	031434-10	100µL

Manual quantitations were performed on one or more of the process files associated with this SDG, including samples E2DN9, E2DP5, E2DP6 and E2DP6RE. In the initial analysis of E2DP6, the recovery of the System Monitoring Compound (SMC), Bromofluorobenzene, failed quality control criteria. The sample was reanalyzed and the SMC again failed recovery criteria. We have attributed the failing SMC recoveries to the particular matrix of the sample. Therefore we have reported and billed for both analyses of E2DP6. The associated Low Level solid duplicate matrix spikes did not meet all advisory accuracy and precision criteria. In accordance with the Statement of Work (SOW), we have reported the data without further analysis.

B. SVOA Fraction (Method CLP SOW OLM04.3)

The pH and %moisture of the soil samples were:

Client ID:	Ceimic ID:	pH	%M
E2DN7	031434-01	6.6	17
E2DN8	031434-02	8.5	23
E2DN9	031434-03	8.5	20
E2DP0	031434-04	8.0	17
E2DP1	031434-05	8.6	21
E2DP2	031434-06	8.7	16
E2DP3	031434-07	8.1	21
E2DP4	031434-08	8.3	17
E2DP5	031434-09	8.6	16
E2DP6	031434-10	8.4	11
E2DQ4	031434-11	7.5	26

The following samples were analyzed as Medium Level Solids:

Client ID:	Ceimic ID:
E2DN7	031434-01
E2DP0	031434-04

Due to the results of a screen, the following samples were analyzed at a dilution:

Client ID:	Ceimic ID:	Dilution:
E2DN7	031434-01	20:1
E2DN8	031434-02	6:1
E2DN9	031434-03	3:1
E2DP0	031434-04	5:1
E2DP1	031434-05	3:1
E2DP2	031434-06	5:1
E2DP4	031434-08	3:1
E2DP5	031434-09	15:1
E2DP6	031434-10	5:1

Samples reanalyzed at a dilution were E2DN8 (18:1), E2DN9 (30:1), and E2DP6 (10:1).

The quantitation ion for bis-(2-chloroethyl)ether was changed to the secondary ion 63, rather than the primary ion 93, because there is interference with the ion 93 from aniline, which is present in the standard mix.

Manual quantitations were performed on the process files associated with samples (E2D)N7, N8, N8DL, N9DL, P1, P3, P4, P5, P6, and P6DL.
In E2DN8 and E2DN9 TICs were identified as benzo(k)fluoranthene and benzo(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 their given assessment names because the contract specifically states that TICs above 85% match purity should be reported as the CAS identification (exempting alkanes), [page D-46/SVOA; section 11.1.2.5.6].

The Relative Percent Difference (RPD) of acenaphthene was flagged as an outlier in the comparison of the Low Level Solid duplicate matrix spikes. The RPDs of acenaphthene and pentachlorophenol were flagged as outliers in the Medium Level Soil duplicate matrix spikes. In these latter, n-nitroso-di-n-propylamine (MS and MSD), 2,4-dinitrotoluene (MS and MSD), and pentachlorophenol (MS) had outlying spike recoveries.

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
E2DN7	100
E2DN8	1000
E2DN9	100
E2DP0	100
E2DP1	1000
E2DP6	10
E2DQ4	10

The following Surrogate recoveries were outside the QC limits:

Sample	% TCX 1	% TCX 2	% DCB 1	% DCB 2
E2DP4			163	169
E2DP6	320	213	2000	733

The following recoveries were outside the QC limits in E0717MS/MSD, due to high final volume and co-elution:

Analyte	% MS	% MSD	%RPD
Gamma-BHC	0	0	
Heptachlor	0	0	
Aldrin	400	600	
Endrin	240	248	
4,4'-DDT	150	325	74

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
Laboratory Manager

10/22/03

Date

ALKANE NARRATIVE REPORT
Report date : 10/16/2003
SDG: E2DN7

Client Sample ID: E2DN8 Lab Sample ID: 031434-02 File ID: OC806

Compound	RT	Est. Conc.	Q
Cyclic Alkane	17.43	12	J

Client Sample ID: E2DN9 Lab Sample ID: 031434-03 File ID: OC807

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	5.78	11	J
Branched Alkane	23.37	13	J

Client Sample ID: E2DP2 Lab Sample ID: 031434-06 File ID: OC810

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	3.28	31	J
Branched Alkane	4.85	27	J
Straight-chain Alkane	5.78	21	J
Cyclic Alkane	6.82	17	J
Branched Alkane	8.27	9	J
Straight-chain Alkane	9.05	8	J

Client Sample ID: E2DP3 Lab Sample ID: 031434-07 File ID: OC811

Compound	RT	Est. Conc.	Q
Cyclic Alkane	15.32	11	J
Cyclic Alkane	15.52	18	J
Cyclic Alkane	15.61	18	J
Cyclic Alkane	15.68	16	J
Cyclic Alkane	16.15	89	J
Cyclic Alkane	16.30	15	J
Cyclic Alkane	16.49	32	J
Cyclic Alkane	16.69	73	J
Branched Alkane	16.77	51	J
Cyclic Alkane	16.87	24	J
Cyclic Alkane	16.98	30	J
Straight-chain Alkane	17.04	13	J
Cyclic Alkane	17.23	27	J
Cyclic Alkane	17.84	56	J
Cyclic Alkane	17.94	33	J
Cyclic Alkane	18.20	44	J
Branched Alkane	18.41	17	J
Branched Alkane	18.74	18	J
Cyclic Alkane	18.85	16	J
Cyclic Alkane	19.87	10	J

Client Sample ID: E2DP5 Lab Sample ID: 031434-09 File ID: OC813

Compound	RT	Est. Conc.	Q
Branched Alkane	14.97	130	J
Cyclic Alkane	15.60	170	J
Cyclic Alkane	15.68	180	J
Cyclic Alkane	16.15	450	J

Branched Alkane	16.41	100	J
Cyclic Alkane	16.49	100	J
Branched Alkane	16.55	570	J
Cyclic Alkane	16.70	680	J
Branched Alkane	16.78	530	J
Branched Alkane	17.05	310	J
Branched Alkane	17.32	130	J
Cyclic Alkane	17.66	230	J
Cyclic Alkane	17.85	430	J
Branched Alkane	18.34	180	J
Branched Alkane	18.41	330	J
Cyclic Alkane	18.86	250	J
Branched Alkane	19.04	120	J
Cyclic Alkane	19.88	280	J
Branched Alkane	20.29	150	J
Cyclic Alkane	20.68	230	J

Client Sample ID: E2DQ4 Lab Sample ID: 031434-11 File ID: OC815

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	15.68	15	J
Branched Alkane	16.54	11	J
Cyclic Alkane	16.69	9	J
Straight-chain Alkane	17.93	46	J
Branched Alkane	18.40	12	J
Straight-chain Alkane	19.78	49	J
Cyclic Alkane	20.68	8	J
Straight-chain Alkane	21.40	11	J

Client Sample ID: VBLKPF Lab Sample ID: V161014M-B1 File ID: P9917

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.78	21000	J

Client Sample ID: E2DP6 Lab Sample ID: 031434-10 File ID: P9924

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.79	1300	JB
Branched Alkane	12.78	1100	J
Cyclic Alkane	13.57	2200	J
Cyclic Alkane	15.44	1300	J
Cyclic Alkane	15.54	2200	J
Cyclic Alkane	15.91	870	J
Branched Alkane	15.99	800	J
Cyclic Alkane	16.08	5700	J
Branched Alkane	16.38	3900	J
Cyclic Alkane	17.38	3700	J
Branched Alkane	17.97	12000	J
Cyclic Alkane	18.18	29000	J

Client Sample ID: E2DN7 Lab Sample ID: 031434-01 File ID: P9930

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.83	7800	JB

Client Sample ID: E2DP0 Lab Sample ID: 031434-04 File ID: P9933

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.84	8300	JB
Branched Alkane	24.85	20000	J

Client Sample ID: E2DP1 Lab Sample ID: 031434-05 File ID: OC824

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	5.78	7	J

Client Sample ID: VBLKPH Lab Sample ID: V161016-B1 File ID: P9965

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.81	7	J

Client Sample ID: VBLKPI Lab Sample ID: V161016M-B1 File ID: P9966

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.78	19000	J

Client Sample ID: VHBLK01 Lab Sample ID: 031434-21 File ID: P9968

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.82	8	J

Client Sample ID: E2DP6RE Lab Sample ID: 031434-10RE File ID: P9967

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.78	1200	J
Cyclic Alkane	13.12	1000	J
Cyclic Alkane	13.57	2400	J
Cyclic Alkane	16.08	6400	J
Branched Alkane	16.37	5200	J
Cyclic Alkane	17.63	26000	J

ALKANE NARRATIVE REPORT
Report date : 10/18/2003
SDG: E2DN7

Client Sample ID: E2DP5 Lab Sample ID: 031434-09 File ID: K5655

Compound	RT	Est. Conc.	Q
Unknown Branched Alkane	10.41	3800	J
Unknown Cyclic Alkane	10.82	5700	J
Unknown Branched Alkane	10.90	13000	J
Unknown Straight-Chain Alkane	11.34	5300	J

Client Sample ID: E2DP4 Lab Sample ID: 031434-08 File ID: K5656

Compound	RT	Est. Conc.	Q
Unknown Straight-Chain Alkane	12.10	330	J

Client Sample ID: E2DP1 Lab Sample ID: 031434-05 File ID: K5657

Compound	RT	Est. Conc.	Q
Unknown Straight-Chain Alkane	12.09	440	J

Client Sample ID: E2DP6 Lab Sample ID: 031434-10 File ID: K5660

Compound	RT	Est. Conc.	Q
Unknown Straight-Chain Alkane	3.94	1800	J
Unknown Cyclic Alkane	4.05	730	J
Unknown Branched Alkane	4.16	1400	J
Unknown Cyclic Alkane	4.20	1900	J
Unknown Branched Alkane	4.34	2600	J
Unknown Cyclic Alkane	4.82	1000	J
Unknown Straight-Chain Alkane	5.14	6600	J
Unknown Cyclic Alkane	5.40	1500	J
Unknown Branched Alkane	5.48	830	J
Unknown Straight-Chain Alkane	5.67	1600	J
Unknown Straight-Chain Alkane	6.19	370	J
Unknown Straight-Chain Alkane	7.43	1400	J
Unknown Straight-Chain Alkane	10.37	740	J
Unknown Straight-Chain Alkane	10.64	810	J
Unknown Branched Alkane	11.46	1100	J
Unknown Straight-Chain Alkane	11.78	1100	J
Unknown Straight-Chain Alkane	12.13	4600	J
Unknown Branched Alkane	12.53	3400	J
Unknown Straight-Chain Alkane	13.00	4100	J
Unknown Straight-Chain Alkane	13.53	3700	J

Client Sample ID: E2DP3 Lab Sample ID: 031434-07 File ID: K5664

Compound	RT	Est. Conc.	Q
Unknown Cyclic Alkane	4.05	190	J
Unknown Branched Alkane	4.16	170	J
Unknown Cyclic Alkane	4.20	150	J

Client Sample ID: E2DQ4 Lab Sample ID: 031434-11 File ID: K5665

Compound	RT	Est. Conc.	Q
Unknown Straight-Chain Alkane	10.39	90	J
Unknown Straight-Chain Alkane	10.94	250	J

Client Sample ID: E2DP0 Lab Sample ID: 031434-04 File ID: K5667

Compound	RT	Est. Conc.	Q
Unknown Branched Alkane	6.43	43000	J
Unknown Branched Alkane	7.05	18000	J
Unknown Branched Alkane	8.55	86000	J
Unknown Branched Alkane	8.59	110000	J
Unknown Branched Alkane	8.65	15000	J
Unknown Branched Alkane	8.76	20000	J

Client Sample ID: E2DP6DL Lab Sample ID: 031434-10DL File ID: K5670

Compound	RT	Est. Conc.	Q
Unknown Straight-Chain Alkane	3.94	2700	JD
Unknown Cyclic Alkane	4.05	1000	JD
Unknown Branched Alkane	4.16	2100	JD
Unknown Cyclic Alkane	4.20	2900	JD
Unknown Branched Alkane	4.35	3900	JD
Unknown Cyclic Alkane	4.52	1800	JD
Unknown Cyclic Alkane	4.82	1500	JD
Unknown Cyclic Alkane	5.40	3000	JD
Unknown Branched Alkane	5.48	1700	JD
Unknown Straight-Chain Alkane	5.67	3200	JD
Unknown Straight-Chain Alkane	7.43	1400	JD
Unknown Straight-Chain Alkane	10.37	760	JD
Unknown Straight-Chain Alkane	10.64	1200	JD
Unknown Straight-Chain Alkane	10.91	770	JD
Unknown Straight-Chain Alkane	11.47	1600	JD
Unknown Straight-Chain Alkane	11.79	1600	JD
Unknown Branched Alkane	12.14	4500	JD
Unknown Straight-Chain Alkane	12.55	3300	JD
Unknown Straight-Chain Alkane	13.01	7900	JD
Unknown Branched Alkane	13.55	3700	JD

Client Sample ID: E2DN7 Lab Sample ID: 031434-01 File ID: AG399

Compound	RT	Est. Conc.	Q
Unknown Straight-Chain Alkane	9.26	190000	J
Unknown Straight-Chain Alkane	9.40	52000	J
Unknown Branched Alkane	9.59	290000	J
Unknown Straight-Chain Alkane	9.71	74000	J
Unknown Straight-Chain Alkane	9.89	400000	J
Unknown Straight-Chain Alkane	10.02	110000	J
Unknown Straight-Chain Alkane	10.20	460000	J
Unknown Branched Alkane	10.30	110000	J
Unknown Branched Alkane	10.39	110000	J
Unknown Straight-Chain Alkane	10.49	360000	J
Unknown Straight-Chain Alkane	10.67	100000	J
Unknown Straight-Chain Alkane	10.78	350000	J
Unknown Straight-Chain Alkane	10.98	95000	J
Unknown Straight-Chain Alkane	11.10	270000	J
Unknown Straight-Chain Alkane	11.45	250000	J
Unknown Straight-Chain Alkane	11.85	190000	J
Unknown Cyclic Alkane	11.96	96000	J
Unknown Straight-Chain Alkane	12.29	150000	J

Unknown Straight-Chain Alkane	12.80	95000	J
Unknown Straight-Chain Alkane	13.40	91000	J

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKPH	98	96	98		0
02	VHBLK01	96	100	96		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		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

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKOZ	98	98	92		0
02	E2DN8	94	100	95		0
03	E2DN9	92	99	92		0
04	E2DP2	97	93	94		0
05	E2DP3	90	104	97		0
06	E2DP4	99	88	93		0
07	E2DP5	102	100	95		0
08	E2DQ4	92	101	103		0
09	VBLKOA	100	100	98		0
10	E2DN9MS	99	101	100		0
11	E2DN9MSD	101	101	101		0
12	E2DP1	94	105	105		0
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
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

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Level:(low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKPF	103	102	110		0
02	E2DP6	105	179*	111		1
03	E2DN7	106	111	111		0
04	E2DN7MS	106	111	109		0
05	E2DN7MSD	106	111	111		0
06	E2DP0	105	108	111		0
07	VBLKPI	100	102	102		0
08	E2DP6RE	105	175*	107		1
09						
10						
11						
12						
13						
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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.: 32243 SAS No.: SDG No.: E2DN7

Matrix Spike - EPA Sample No.: E2DN9 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	69	0.0	27	39*	59-172
Trichloroethene	69	0.0	33	48*	62-137
Benzene	69	65	54	-16*	66-142
Toluene	69	3	36	48*	59-139
Chlorobenzene	69	170	120	-72*	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	68	25	37*	5	22	59-172
Trichloroethene	68	28	41*	16	24	62-137
Benzene	68	47	-26*	-48	21	66-142
Toluene	68	33	44*	9	21	59-139
Chlorobenzene	68	110	-88*	-20	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: 10 out of 10 outside limits

COMMENTS: _____

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix Spike - EPA Sample No.: E2DN7 Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	35000	0.0	25000	71	59-172
Trichloroethene	35000	0.0	38000	109	62-137
Benzene	35000	0.0	40000	114	66-142
Toluene	35000	0.0	40000	114	59-139
Chlorobenzene	35000	19000	60000	117	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	35000	23000	66	7	22	59-172
Trichloroethene	35000	34000	97	12	24	62-137
Benzene	35000	37000	106	7	21	66-142
Toluene	35000	37000	106	7	21	59-139
Chlorobenzene	35000	55000	103	13	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.

VBLKOZ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: OC800 Lab Sample ID: V151013-B3

Date Analyzed: 10/13/03 Time Analyzed: 1251

GC Column: RTX-VOL ID: 0.53 (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	E2DN8	031434-02	OC806	1626
02	E2DN9	031434-03	OC807	1700
03	E2DP2	031434-06	OC810	1839
04	E2DP3	031434-07	OC811	1913
05	E2DP4	031434-08	OC812	1946
06	E2DP5	031434-09	OC813	2019
07	E2DQ4	031434-11	OC815	2125
08				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: OC819 Lab Sample ID: V151014-B1

Date Analyzed: 10/14/03 Time Analyzed: 1017

GC Column: RTX-VOL ID: 0.53 (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	E2DN9MS	031434-03MS	OC822	1216
02	E2DN9MSD	031434-03MSD	OC823	1249
03	E2DP1	031434-05	OC824	1322
04				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKPF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: P9917 Lab Sample ID: V161014M-B1

Date Analyzed: 10/14/03 Time Analyzed: 1057

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS16

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2DP6	031434-10	P9924	1511
02	E2DN7	031434-01	P9930	1904
03	E2DN7MS	031434-01MS	P9931	1939
04	E2DN7MSD	031434-01MSD	P9932	2014
05	E2DP0	031434-04	P9933	2049
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKPH

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: P9965 Lab Sample ID: V161016-B1

Date Analyzed: 10/16/03 Time Analyzed: 1044

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS16

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	031434-21	P9968	1249
02				
03				
04				
05				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKPI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: P9966 Lab Sample ID: V161016M-B1

Date Analyzed: 10/16/03 Time Analyzed: 1127

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS16

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2DP6RE	031434-10RE	P9967	1207
02				
03				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01

Sample wt/vol: 3.9(g/mL) G Lab File ID: P9930

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 13 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	7700	U
74-87-3	Chloromethane	7700	U
75-01-4	Vinyl Chloride	7700	U
74-83-9	Bromomethane	7700	U
75-00-3	Chloroethane	7700	U
75-69-4	Trichlorofluoromethane	7700	U
75-35-4	1,1-Dichloroethene	7700	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7700	U
67-64-1	Acetone	7700	U
75-15-0	Carbon Disulfide	7700	U
79-20-9	Methyl Acetate	7700	U
75-09-2	Methylene Chloride	7700 ~~5700~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	7700	U
1634-04-4	Methyl tert-Butyl Ether	7700	U
75-34-3	1,1-Dichloroethane	7700	U
156-59-2	cis-1,2-Dichloroethene	7700	U
78-93-3	2-Butanone	7700	U
67-66-3	Chloroform	7700	U
71-55-6	1,1,1-Trichloroethane	7700	U
110-82-7	Cyclohexane	7700	U
56-23-5	Carbon Tetrachloride	7700	U
71-43-2	Benzene	7700	U
107-06-2	1,2-Dichloroethane	7700	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01

Sample wt/vol: 3.9(g/mL) G Lab File ID: P9930

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 13 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	7700	U
108-87-2	Methylcyclohexane	890	J
78-87-5	1,2-Dichloropropane	7700	U
75-27-4	Bromodichloromethane	7700	U
10061-01-5	cis-1,3-Dichloropropene	7700	U
108-10-1	4-Methyl-2-Pentanone	7700	U
108-88-3	Toluene	7700	U
10061-02-6	trans-1,3-Dichloropropene	7700	U
79-00-5	1,1,2-Trichloroethane	7700	U
127-18-4	Tetrachloroethene	7700	U
591-78-6	2-Hexanone	7700	U
124-48-1	Dibromochloromethane	7700	U
106-93-4	1,2-Dibromoethane	7700	U
108-90-7	Chlorobenzene	19000	
100-41-4	Ethylbenzene	7700	U
1330-20-7	Xylene (Total)	7700	U
100-42-5	Styrene	7700	U
75-25-2	Bromoform	7700	U
98-82-8	Isopropylbenzene	7700	U
79-34-5	1,1,2,2-Tetrachloroethane	7700	U
541-73-1	1,3-Dichlorobenzene	7700	U
106-46-7	1,4-Dichlorobenzene	110000	
95-50-1	1,2-Dichlorobenzene	28000	
96-12-8	1,2-Dibromo-3-chloropropane	7700	U
120-82-1	1,2,4-Trichlorobenzene	100000	

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DN7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01

Sample wt/vol: 3.9 (g/mL) G Lab File ID: P9930

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 13 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 98-06-6	BENZENE, TERT-BUTYL-	19.98	6000	NJ
2. 541-73-1	BENZENE, 1,3-DICHLORO-	20.58	5400	NJ
3. 2049-95-8	BENZENE, (1,1-DIMETHYLPROPYL	21.92	4500	NJ
4. 1985-57-5	BENZENE, (1,1-DIMETHYLBUTYL)	23.24	9500	NJ
5.	C6-BENZENE ISOMER	24.16	4000	J
6. 87-61-6	BENZENE, 1,2,3-TRICHLORO-	24.70	15000	NJ
7. 95-94-3	BENZENE, 1,2,4,5-TETRACHLORO	26.95	33000	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MS

Sample wt/vol: 3.9(g/mL) G Lab File ID: P9931

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 13 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	7700	U
74-87-3	Chloromethane	7700	U
75-01-4	Vinyl Chloride	7700	U
74-83-9	Bromomethane	7700	U
75-00-3	Chloroethane	7700	U
75-69-4	Trichlorofluoromethane	7700	U
75-35-4	1,1-Dichloroethene	25000	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7700	U
67-64-1	Acetone	7700	U
75-15-0	Carbon Disulfide	7700	U
79-20-9	Methyl Acetate	6700	J
75-09-2	Methylene Chloride	7900 ~~7900~~	~~B~~ U
156-60-5	trans-1,2-Dichloroethene	7700	U
1634-04-4	Methyl tert-Butyl Ether	7700	U
75-34-3	1,1-Dichloroethane	7700	U
156-59-2	cis-1,2-Dichloroethene	7700	U
78-93-3	2-Butanone	7700	U
67-66-3	Chloroform	7700	U
71-55-6	1,1,1-Trichloroethane	7700	U
110-82-7	Cyclohexane	7700	U
56-23-5	Carbon Tetrachloride	7700	U
71-43-2	Benzene	40000	
107-06-2	1,2-Dichloroethane	7700	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MS

Sample wt/vol: 3.9(g/mL) G Lab File ID: P9931

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 13 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	38000	
108-87-2	Methylcyclohexane	890	J
78-87-5	1,2-Dichloropropane	7700	U
75-27-4	Bromodichloromethane	7700	U
10061-01-5	cis-1,3-Dichloropropene	7700	U
108-10-1	4-Methyl-2-Pentanone	7700	U
108-88-3	Toluene	40000	
10061-02-6	trans-1,3-Dichloropropene	7700	U
79-00-5	1,1,2-Trichloroethane	7700	U
127-18-4	Tetrachloroethene	7700	U
591-78-6	2-Hexanone	7700	U
124-48-1	Dibromochloromethane	7700	U
106-93-4	1,2-Dibromoethane	7700	U
108-90-7	Chlorobenzene	60000	
100-41-4	Ethylbenzene	7700	U
1330-20-7	Xylene (Total)	7700	U
100-42-5	Styrene	7700	U
75-25-2	Bromoform	7700	U
98-82-8	Isopropylbenzene	7700	U
79-34-5	1,1,2,2-Tetrachloroethane	7700	U
541-73-1	1,3-Dichlorobenzene	7700	U
106-46-7	1,4-Dichlorobenzene	110000	
95-50-1	1,2-Dichlorobenzene	28000	
96-12-8	1,2-Dibromo-3-chloropropane	7700	U
120-82-1	1,2,4-Trichlorobenzene	100000	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MSD

Sample wt/vol: 3.9(g/mL) G Lab File ID: P9932

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 13 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	7700	U
74-87-3	Chloromethane	7700	U
75-01-4	Vinyl Chloride	7700	U
74-83-9	Bromomethane	7700	U
75-00-3	Chloroethane	7700	U
75-69-4	Trichlorofluoromethane	7700	U
75-35-4	1,1-Dichloroethene	23000	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7700	U
67-64-1	Acetone	7700	U
75-15-0	Carbon Disulfide	7700	U
79-20-9	Methyl Acetate	6500	J
75-09-2	Methylene Chloride	6500 ~~7300~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	7700	U
1634-04-4	Methyl tert-Butyl Ether	7700	U
75-34-3	1,1-Dichloroethane	7700	U
156-59-2	cis-1,2-Dichloroethene	7700	U
78-93-3	2-Butanone	7700	U
67-66-3	Chloroform	7700	U
71-55-6	1,1,1-Trichloroethane	7700	U
110-82-7	Cyclohexane	7700	U
56-23-5	Carbon Tetrachloride	7700	U
71-43-2	Benzene	37000	
107-06-2	1,2-Dichloroethane	7700	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MSD

Sample wt/vol: 3.9(g/mL) G Lab File ID: P9932

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 13 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	34000	
108-87-2	Methylcyclohexane	810	J
78-87-5	1,2-Dichloropropane	7700	U
75-27-4	Bromodichloromethane	7700	U
10061-01-5	cis-1,3-Dichloropropene	7700	U
108-10-1	4-Methyl-2-Pentanone	7700	U
108-88-3	Toluene	37000	
10061-02-6	trans-1,3-Dichloropropene	7700	U
79-00-5	1,1,2-Trichloroethane	7700	U
127-18-4	Tetrachloroethene	7700	U
591-78-6	2-Hexanone	7700	U
124-48-1	Dibromochloromethane	7700	U
106-93-4	1,2-Dibromoethane	7700	U
108-90-7	Chlorobenzene	55000	
100-41-4	Ethylbenzene	7700	U
1330-20-7	Xylene (Total)	7700	U
100-42-5	Styrene	7700	U
75-25-2	Bromoform	7700	U
98-82-8	Isopropylbenzene	7700	U
79-34-5	1,1,2,2-Tetrachloroethane	7700	U
541-73-1	1,3-Dichlorobenzene	7700	U
106-46-7	1,4-Dichlorobenzene	99000	
95-50-1	1,2-Dichlorobenzene	26000	
96-12-8	1,2-Dibromo-3-chloropropane	7700	U
120-82-1	1,2,4-Trichlorobenzene	95000	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02

Sample wt/vol: 4.0(g/mL) G Lab File ID: OC806

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 27 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
75-71-8	Dichlorodifluoromethane	17	U
74-87-3	Chloromethane	17	U
75-01-4	Vinyl Chloride	3	J
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	44	
75-15-0	Carbon Disulfide	17	U
79-20-9	Methyl Acetate	17	U
75-09-2	Methylene Chloride	17 ~~6~~	~~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	13	J
67-66-3	Chloroform	17	U
71-55-6	1,1,1-Trichloroethane	17	U
110-82-7	Cyclohexane	5	J
56-23-5	Carbon Tetrachloride	17	U
71-43-2	Benzene	33	
107-06-2	1,2-Dichloroethane	17	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02

Sample wt/vol: 4.0(g/mL) G Lab File ID: OC806

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 27 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	17	U
108-87-2	Methylcyclohexane	7	J
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	3	J
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	190	
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	18	
106-46-7	1,4-Dichlorobenzene	120	
95-50-1	1,2-Dichlorobenzene	7	J
96-12-8	1,2-Dibromo-3-chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	36	

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DN8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02

Sample wt/vol: 4.0 (g/mL) G Lab File ID: OC806

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 27 Date Analyzed: 10/13/03

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	3.60	19	NJ
2.	UNKNOWN ORGANIC ACID	5.78	9	J
3. 1985-57-5	BENZENE, (1,1-DIMETHYLBUTYL)	21.65	15	NJ
4.	UNKNOWN	22.63	12	J
5.	UNKNOWN	23.37	12	J
6. 14128-61-1	2-HEXANONE, 5-METHYL-5-PHENY	24.50	20	NJ
7. 2077-46-5	BENZENE, 1,2,4-TRICHLORO-3-M	24.94	22	NJ
8. 95-94-3	BENZENE, 1,2,4,5-TETRACHLORO	25.48	78	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03

Sample wt/vol: 4.6(g/mL) G Lab File ID: OC807

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 29 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	3	J
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	32	
75-15-0	Carbon Disulfide	15	U
79-20-9	Methyl Acetate	15	U
75-09-2	Methylene Chloride	15 ~~5~~	~~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	10	J
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
110-82-7	Cyclohexane	6	J
56-23-5	Carbon Tetrachloride	15	U
71-43-2	Benzene	65	
107-06-2	1,2-Dichloroethane	15	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03

Sample wt/vol: 4.6(g/mL) G Lab File ID: OC807

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 29 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	15	U
108-87-2	Methylcyclohexane	8	J
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	3	J
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	170	
100-41-4	Ethylbenzene	15	U
1330-20-7	Xylene (Total)	2	J
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	13	J
106-46-7	1,4-Dichlorobenzene	75	
95-50-1	1,2-Dichlorobenzene	6	J
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	11	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DN9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03

Sample wt/vol: 4.6 (g/mL) G Lab File ID: OC807

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 29 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	3.61	46	NJ
2. 1985-57-5	BENZENE, (1,1-DIMETHYLBUTYL)	21.65	14	NJ
3. 14128-61-1	2-HEXANONE, 5-METHYL-5-PHENY	24.51	14	NJ
4. 2077-46-5	BENZENE, 1,2,4-TRICHLORO-3-M	24.94	26	NJ
5.	UNKNOWN	25.35	11	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03MS

Sample wt/vol: 5.1(g/mL) G Lab File ID: OC822

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 29 Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/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	27	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	35	~~B~~ 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	3	J
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	14	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03MS

Sample wt/vol: 5.1(g/mL) G Lab File ID: OC822

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 29 Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	33	
108-87-2	Methylcyclohexane	6	J
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	36	
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	120	
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	13	J
106-46-7	1,4-Dichlorobenzene	45	
95-50-1	1,2-Dichlorobenzene	3	J
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	8	J~~B~~

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03MSD

Sample wt/vol: 5.2(g/mL) G Lab File ID: OC823

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 29 Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/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	25	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	31	~~B~~ a
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	3	J
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	47	
107-06-2	1,2-Dichloroethane	14	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03MSD

Sample wt/vol: 5.2(g/mL) G Lab File ID: OC823

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 29 Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	28	
108-87-2	Methylcyclohexane	5	J
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	33	
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	110	
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	
106-46-7	1,4-Dichlorobenzene	44	
95-50-1	1,2-Dichlorobenzene	3	J
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	9	JB

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04

Sample wt/vol: 4.1(g/mL) G Lab File ID: P9933

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 20 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	7900	U
74-87-3	Chloromethane	7900	U
75-01-4	Vinyl Chloride	7900	U
74-83-9	Bromomethane	7900	U
75-00-3	Chloroethane	7900	U
75-69-4	Trichlorofluoromethane	7900	U
75-35-4	1,1-Dichloroethene	7900	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7900	U
67-64-1	Acetone	7900	U
75-15-0	Carbon Disulfide	7900	U
79-20-9	Methyl Acetate	7900	U
75-09-2	Methylene Chloride	7900 ~~6900~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	7900	U
1634-04-4	Methyl tert-Butyl Ether	7900	U
75-34-3	1,1-Dichloroethane	7900	U
156-59-2	cis-1,2-Dichloroethene	7900	U
78-93-3	2-Butanone	7900	U
67-66-3	Chloroform	7900	U
71-55-6	1,1,1-Trichloroethane	7900	U
110-82-7	Cyclohexane	7900	U
56-23-5	Carbon Tetrachloride	7900	U
71-43-2	Benzene	5000	J
107-06-2	1,2-Dichloroethane	7900	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04

Sample wt/vol: 4.1(g/mL) G Lab File ID: P9933

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 20 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	7900	U
108-87-2	Methylcyclohexane	7900	U
78-87-5	1,2-Dichloropropane	7900	U
75-27-4	Bromodichloromethane	7900	U
10061-01-5	cis-1,3-Dichloropropene	7900	U
108-10-1	4-Methyl-2-Pentanone	7900	U
108-88-3	Toluene	1100	J
10061-02-6	trans-1,3-Dichloropropene	7900	U
79-00-5	1,1,2-Trichloroethane	7900	U
127-18-4	Tetrachloroethene	7900	U
591-78-6	2-Hexanone	7900	U
124-48-1	Dibromochloromethane	7900	U
106-93-4	1,2-Dibromoethane	7900	U
108-90-7	Chlorobenzene	84000	
100-41-4	Ethylbenzene	770	J
1330-20-7	Xylene (Total)	7900	U
100-42-5	Styrene	7900	U
75-25-2	Bromoform	7900	U
98-82-8	Isopropylbenzene	7900	U
79-34-5	1,1,2,2-Tetrachloroethane	7900	U
541-73-1	1,3-Dichlorobenzene	8000	
106-46-7	1,4-Dichlorobenzene	52000	
95-50-1	1,2-Dichlorobenzene	7900	U
96-12-8	1,2-Dibromo-3-chloropropane	7900	U
120-82-1	1,2,4-Trichlorobenzene	10000	

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DP0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04

Sample wt/vol: 4.1 (g/mL) G Lab File ID: P9933

Level: (low/med) MED Date Received: 10/10/03

% Moisture: not dec. 20 Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 20.0(uL)

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1985-57-5	BENZENE, (1,1-DIMETHYLBUTYL)	23.24	11000	NJ
2. 1985-97-3	BENZENE, (1-ETHYL-1-METHYLPR	23.63	11000	NJ
3. 7403-42-1	2-PENTANONE, 4-METHYL-4-PHEN	24.17	8200	NJ
4.	UNKNOWN	24.52	4800	J
5. 4468-40-0	BENZENE, (1-ETHYL-1-METHYLBU	24.99	5500	NJ
6.	UNKNOWN	25.40	7900	J
7.	UNKNOWN	25.86	19000	J
8.	UNKNOWN	26.69	19000	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05

Sample wt/vol: 5.0(g/mL) G Lab File ID: OC824

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/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	28	
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	~~3~~ 12	~~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	3	J
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	26	
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05

Sample wt/vol: 5.0(g/mL) G Lab File ID: OC824

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	5	J
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	2	J
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	190	
100-41-4	Ethylbenzene	6	J
1330-20-7	Xylene (Total)	1	J
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	4	J
106-46-7	1,4-Dichlorobenzene	53	
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	B

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DP1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OC824

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/14/03

GC Column: RTX-VOL ID: 0.53 (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 ALKENE	2.90	7	J
2.				
3.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-06

Sample wt/vol: 4.2(g/mL) G Lab File ID: OC810

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 16 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/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	62	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14 ~~A~~	~~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	27	
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	5	J
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	13	J
107-06-2	1,2-Dichloroethane	14	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-06

Sample wt/vol: 4.2(g/mL) G Lab File ID: OC810

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 16 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	6	J
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	10	J
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	2	J
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (Total)	5	J
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	2	J
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.

E2DP2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-06

Sample wt/vol: 4.2 (g/mL) G Lab File ID: OC810

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 16 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.90	48	J
2.	UNKNOWN	5.28	12	J
3. 496-11-7	INDANE	19.43	9	NJ
4.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-07

Sample wt/vol: 4.8(g/mL) G Lab File ID: OC811

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 22 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/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	12	J
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13 ~~4~~	~~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	13	U
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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-07

Sample wt/vol: 4.8(g/mL) G Lab File ID: OC811

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 22 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	1	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	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
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.

E2DP3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-07

Sample wt/vol: 4.8 (g/mL) G Lab File ID: OC811

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 22 Date Analyzed: 10/13/03

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKENE	15.88	17	J
2.	UNKNOWN	16.54	83	J
3.	UNKNOWN	16.62	12	J
4.	UNKNOWN	17.41	130	J
5.	UNKNOWN	17.65	40	J
6.	UNKNOWN ALKENE	17.76	52	J
7.	BRANCHED ALKENE	18.02	21	J
8.	UNKNOWN	18.33	8	J
9. 91-17-8	NAPHTHALENE, DECAHYDRO-	19.57	29	NJ
10.	UNKNOWN	20.53	8	J
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12.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-08

Sample wt/vol: 4.5(g/mL) G Lab File ID: OC812

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/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	49	
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	1.5	~~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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-08

Sample wt/vol: 4.5(g/mL) G Lab File ID: OC812

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	2	J
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.

E2DP4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-08

Sample wt/vol: 4.5 (g/mL) G Lab File ID: OC812

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/13/03

GC Column: RTX-VOL ID: 0.53 (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.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-09

Sample wt/vol: 5.5(g/mL) G Lab File ID: OC813

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11 ~~8~~	~~JB~~ U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	1	J
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-09

Sample wt/vol: 5.5(g/mL) G Lab File ID: OC813

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	5	J
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	9	J
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	15	
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	130	
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (Total)	4	J
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	16	
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DP5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-09

Sample wt/vol: 5.5 (g/mL) G Lab File ID: OC813

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. 19 Date Analyzed: 10/13/03

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKENE	14.46	14	J
2.	UNKNOWN	15.17	16	J
3.	UNKNOWN ALKENE	15.88	81	J
4.	UNKNOWN	16.99	180	J
5.	UNKNOWN	17.42	340	J
6.	C3-BENZENE ISOMER	17.58	24	J
7.	UNKNOWN	17.76	160	J
8.	UNKNOWN ALKENE	17.94	280	J
9.	UNKNOWN	18.25	250	J
10.	UNKNOWN	18.65	290	J
11.	UNKNOWN	18.75	360	J
12.	UNKNOWN KETONE	19.27	120	J
13. 135-01-3	BENZENE, 1,2-DIETHYL-	19.44	250	NJ
14. 91-17-8	NAPHTHALENE, DECAHYDRO-	19.57	440	NJ
15. 89-82-7	PULEGONE	20.54	230	NJ
16. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	20.81	18	NJ
17. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	20.86	78	NJ
18.	C5-BENZENE ISOMER	21.16	64	J
19.	C5-BENZENE ISOMER	21.37	34	J
20.	C4-BENZENE ISOMER	21.47	120	J
21.	UNKNOWN	21.73	93	J
22.	UNKNOWN	22.09	10	J
23.	C5-BENZENE ISOMER	23.68	6	J
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1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKOZ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V151013-B3

Sample wt/vol: 5.0(g/mL) G Lab File ID: OC800

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

GC Column: RTX-VOL 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/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.

VBLKOZ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V151013-B3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OC800

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

GC Column: RTX-VOL ID: 0.53 (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.

VBLKOA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V151014-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: OC819

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/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	17	
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.

VBLKOA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V151014-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: OC819

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/14/03

GC Column: RTX-VOL 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/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	1	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKOA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V151014-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OC819

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/14/03

GC Column: RTX-VOL ID: 0.53 (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.

VBLKPF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V161014M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: P9917

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	720	J
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V161014M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: P9917

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKPF

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V161014M-B1

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P9917

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/14/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.0(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.

VBLKPH

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) WATER Lab Sample ID: V161016-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9965

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/16/03

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.

VBLKPH

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) WATER Lab Sample ID: V161016-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9965

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/16/03

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	4	J
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.

VBLKPH

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) WATER Lab Sample ID: V161016-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9965

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/16/03

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.

VBLKPI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V161016M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: P9966

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	620	J
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V161016M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: P9966

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.0(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	490	J
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKPI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: V161016M-B1

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P9966

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/16/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100.0(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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2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

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	SBLKKK	65	65	76	64	60	72	64	58	0
02	E2DP5	* 0D	33	41	25	* 21D	30	22	* 0D	0
03	E2DP4	40	47	60	43	40	43	40	37	0
04	E2DP1	46	57	81	53	47	72	50	41	0
05	E2DN9	52	62	81	61	55	87	58	46	0
06	E2DP2	48	60	85	55	48	86	52	39	0
07	E2DP6	44	47	67	46	36	61	35	32	0
08	E2DN8	50	59	91	59	50	91	53	42	0
09	SBLKKL	65	65	100	68	64	100	64	55	0
10	E2DP3	42	46	76	44	41	78	41	35	0
11	E2DQ4	29	31	68	33	29	67	29	25	0
12	E2DN8DL	50	59	82	59	50	75	53	41	0
13	E2DP6DL	32	45	67	46	36	57	33	32	0
14	E2DQ4MS	55	59	91	58	52	97	55	45	0
15	E2DQ4MSD	55	59	86	56	50	88	53	45	0
16	SBLKAL	65	65	76	64	60	84	60	58	0
17	E2DN9DL	* 0D	* 0D	* 0D	55	45	58	48	* 0D	0
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ACH 11-4-03

		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.: 32243 SAS No.: SDG No.: E2DN7

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	SBLKKM	58	60	100	60	55	87	57	50	0
02	E2DP0	42	57	83	48	42	84	43	37	0
03	SBLKAQ	26	28*	36	27	21*	33	24	24	2
04	E2DN7	50	52	50	56	49	53	50	46	0
05	E2DN7MS	* 0D	* 0D	42	32	28	37	31	* 0D	0
06	E2DN7MSD	* 0D	48	61	36	29	63	31	* 0D	0
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		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

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix Spike - EPA Sample No.: E2DQ4 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3300	0.0	1800	55	26- 90
2-Chlorophenol	3300	0.0	1700	52	25-102
N-Nitroso-di-n-prop.(1)	2200	0.0	1300	59	41-126
4-Chloro-3-Methylphenol	3300	0.0	2600	79	26-103
Acenaphthene	2200	0.0	1500	68	31-137
4-Nitrophenol	3300	0.0	3000	91	11-114
2,4-Dinitrotoluene	2200	0.0	1700	77	28- 89
Pentachlorophenol	3300	100	1800	52	17-109
Pyrene	2200	400	2300	86	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3400	1800	53	4	35	26- 90
2-Chlorophenol	3400	1700	50	4	50	25-102
N-Nitroso-di-n-prop.(1)	2200	1300	59	0	38	41-126
4-Chloro-3-Methylphenol	3400	2500	74	7	33	26-103
Acenaphthene	2200	1900	86	23*	19	31-137
4-Nitrophenol	3400	2900	85	7	50	11-114
2,4-Dinitrotoluene	2200	1700	77	0	47	28- 89
Pentachlorophenol	3400	1900	53	2	47	17-109
Pyrene	2200	2600	100	15	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: _____

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix Spike - EPA Sample No.: E2DN7 Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	65000	0.0	21000	32	26- 90
2-Chlorophenol	65000	0.0	19000	29	25-102
N-Nitroso-di-n-prop.(1)	43000	0.0	0.0	0*	41-126
4-Chloro-3-Methylphenol	65000	0.0	28000	43	26-103
Acenaphthene	43000	0.0	20000	47	31-137
4-Nitrophenol	65000	0.0	26000	40	11-114
2,4-Dinitrotoluene	43000	0.0	0.0	0*	28- 89
Pentachlorophenol	65000	470000	380000	-138*	17-109
Pyrene	43000	0.0	22000	51	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	70000	27000	39	20	35	26- 90
2-Chlorophenol	70000	25000	36	22	50	25-102
N-Nitroso-di-n-prop.(1)	46000	0.0	0*		38	41-126
4-Chloro-3-Methylphenol	70000	37000	53	21	33	26-103
Acenaphthene	46000	28000	61	26*	19	31-137
4-Nitrophenol	70000	39000	56	33	50	11-114
2,4-Dinitrotoluene	46000	0.0	0*		47	28- 89
Pentachlorophenol	70000	520000	71	-624*	47	17-109
Pyrene	46000	33000	72	34	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: 2 out of 9 outside limits
Spike Recovery: 5 out of 18 outside limits

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKAL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: AG338 Lab Sample ID: S1013-B2A

Instrument ID: MS1 Date Extracted: 10/13/03

Matrix: (soil/water) SOIL Date Analyzed: 10/15/03

Level:(low/med) LOW Time Analyzed: 2155

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2DN9DL	031434-03DL	AG339	10/15/03
02				
03				
04				
05				
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKAQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: AG398 Lab Sample ID: MS1016-B3A

Instrument ID: MS1 Date Extracted: 10/16/03

Matrix: (soil/water) SOIL Date Analyzed: 10/17/03

Level:(low/med) MED Time Analyzed: 1220

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2DN7	031434-01	AG399	10/17/03
02	E2DN7MS	031434-01MS	AG402	10/17/03
03	E2DN7MSD	031434-01MSD	AG403	10/17/03
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKK

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: K5654 Lab Sample ID: S1013-B2K

Instrument ID: MS11 Date Extracted: 10/13/03

Matrix: (soil/water) SOIL Date Analyzed: 10/15/03

Level:(low/med) LOW Time Analyzed: 0724

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2DP5	031434-09	K5655	10/15/03
02	E2DP4	031434-08	K5656	10/15/03
03	E2DP1	031434-05	K5657	10/15/03
04	E2DN9	031434-03	K5658	10/15/03
05	E2DP2	031434-06	K5659	10/15/03
06	E2DP6	031434-10	K5660	10/15/03
07	E2DN8	031434-02	K5661	10/15/03
08	E2DP3	031434-07	K5664	10/15/03
09	E2DQ4	031434-11	K5665	10/15/03
10	E2DN8DL	031434-02DL	K5669	10/15/03
11	E2DP6DL	031434-10DL	K5670	10/15/03
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COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: K5662 Lab Sample ID: S1013-B4K

Instrument ID: MS11 Date Extracted: 10/13/03

Matrix: (soil/water) SOIL Date Analyzed: 10/15/03

Level:(low/med) LOW Time Analyzed: 1134

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2DQ4MS	031434-11MS	K5671	10/15/03
02	E2DQ4MSD	031434-11MSD	K5672	10/15/03
03				
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COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKM

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Lab File ID: K5663 Lab Sample ID: MS1013-B5K

Instrument ID: MS11 Date Extracted: 10/13/03

Matrix: (soil/water) SOIL Date Analyzed: 10/15/03

Level:(low/med) MED Time Analyzed: 1205

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2DP0	031434-04	K5667	10/15/03
02				
03				
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COMMENTS:

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01

Sample wt/vol: 1.3(g/mL) G Lab File ID: AG399

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	190000	U
108-95-2	Phenol	190000	U
111-44-4	bis(2-Chloroethyl)Ether	190000	U
95-57-8	2-Chlorophenol	190000	U
95-48-7	2-Methylphenol	190000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	190000	U
98-86-2	Acetophenone	190000	U
106-44-5	4-Methylphenol	190000	U
621-64-7	N-Nitroso-di-n-propylamine	190000	U
67-72-1	Hexachloroethane	190000	U
98-95-3	Nitrobenzene	190000	U
78-59-1	Isophorone	190000	U
88-75-5	2-Nitrophenol	190000	U
105-67-9	2,4-Dimethylphenol	190000	U
111-91-1	bis(2-Chloroethoxy)methane	190000	U
120-83-2	2,4-Dichlorophenol	190000	U
91-20-3	Naphthalene	190000	U
106-47-8	4-Chloroaniline	190000	U
87-68-3	Hexachlorobutadiene	190000	U
105-60-2	Caprolactam	190000	U
59-50-7	4-Chloro-3-Methylphenol	190000	U
91-57-6	2-Methylnaphthalene	190000	U
77-47-4	Hexachlorocyclopentadiene	190000	U
88-06-2	2,4,6-Trichlorophenol	190000	U
95-95-4	2,4,5-Trichlorophenol	460000	U
92-52-4	1,1'-Biphenyl	190000	U
91-58-7	2-Chloronaphthalene	190000	U
88-74-4	2-Nitroaniline	460000	U
131-11-3	Dimethylphthalate	190000	U
606-20-2	2,6-Dinitrotoluene	190000	U
208-96-8	Acenaphthylene	190000	U
99-09-2	3-Nitroaniline	460000	U
83-32-9	Acenaphthene	190000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01

Sample wt/vol: 1.3(g/mL) G Lab File ID: AG399

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	460000	U
100-02-7	4-Nitrophenol	460000	U
132-64-9	Dibenzofuran	190000	U
121-14-2	2,4-Dinitrotoluene	190000	U
84-66-2	Diethylphthalate	190000	U
86-73-7	Fluorene	190000	U
7005-72-3	4-Chlorophenyl-phenylether	190000	U
100-01-6	4-Nitroaniline	460000	U
534-52-1	4,6-Dinitro-2-methylphenol	460000	U
86-30-6	N-nitrosodiphenylamine (1)	190000	U
101-55-3	4-Bromophenyl-phenylether	190000	U
118-74-1	Hexachlorobenzene	190000	U
1912-24-9	Atrazine	190000	U
87-86-5	Pentachlorophenol	470000	
85-01-8	Phenanthrene	190000	U
120-12-7	Anthracene	190000	U
86-74-8	Carbazole	190000	U
84-74-2	Di-n-butylphthalate	190000	U
206-44-0	Fluoranthene	190000	U
129-00-0	Pyrene	190000	U
85-68-7	Butylbenzylphthalate	190000	U
91-94-1	3,3'-Dichlorobenzidine	190000	U
56-55-3	Benzo(a)anthracene	190000	U
218-01-9	Chrysene	190000	U
117-81-7	bis(2-Ethylhexyl)phthalate	190000	U
117-84-0	Di-n-octylphthalate	190000	U
205-99-2	Benzo(b)fluoranthene	190000	U
207-08-9	Benzo(k)fluoranthene	190000	U
50-32-8	Benzo(a)pyrene	190000	U
193-39-5	Indeno(1,2,3-cd)pyrene	190000	U
53-70-3	Dibenzo(a,h)anthracene	190000	U
191-24-2	Benzo(g,h,i)perylene	190000	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DN7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01

Sample wt/vol: 1.3 (g/mL) G Lab File ID: AG399

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N) N Date Extracted:10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.26	49000	J
2. 18435-45-5	1-NONADECENE	10.55	56000	NJ
3. 27519-02-4	9-TRICOSENE, (Z)-	10.86	150000	NJ
4.	UNKNOWN	11.31	69000	J
5. 6971-40-0	17-PENTATRIACONTENE	11.55	91000	NJ
6.	UNKNOWN	12.11	51000	J
7.	UNKNOWN	12.43	160000	J
8.	UNKNOWN	12.60	46000	J
9.	UNKNOWN	12.97	66000	J
10.	UNKNOWN	14.34	90000	J
11.				
12.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MS

Sample wt/vol: 1.4(g/mL) G Lab File ID: AG402

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	170000	U
108-95-2	Phenol	21000	J
111-44-4	bis(2-Chloroethyl)Ether	170000	U
95-57-8	2-Chlorophenol	19000	J
95-48-7	2-Methylphenol	170000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	170000	U
98-86-2	Acetophenone	170000	U
106-44-5	4-Methylphenol	170000	U
621-64-7	N-Nitroso-di-n-propylamine	170000	U
67-72-1	Hexachloroethane	170000	U
98-95-3	Nitrobenzene	170000	U
78-59-1	Isophorone	170000	U
88-75-5	2-Nitrophenol	170000	U
105-67-9	2,4-Dimethylphenol	170000	U
111-91-1	bis(2-Chloroethoxy)methane	170000	U
120-83-2	2,4-Dichlorophenol	170000	U
91-20-3	Naphthalene	170000	U
106-47-8	4-Chloroaniline	170000	U
87-68-3	Hexachlorobutadiene	170000	U
105-60-2	Caprolactam	170000	U
59-50-7	4-Chloro-3-Methylphenol	28000	J
91-57-6	2-Methylnaphthalene	170000	U
77-47-4	Hexachlorocyclopentadiene	170000	U
88-06-2	2,4,6-Trichlorophenol	170000	U
95-95-4	2,4,5-Trichlorophenol	430000	U
92-52-4	1,1'-Biphenyl	170000	U
91-58-7	2-Chloronaphthalene	170000	U
88-74-4	2-Nitroaniline	430000	U
131-11-3	Dimethylphthalate	170000	U
606-20-2	2,6-Dinitrotoluene	170000	U
208-96-8	Acenaphthylene	170000	U
99-09-2	3-Nitroaniline	430000	U
83-32-9	Acenaphthene	20000	J

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DN7MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MS

Sample wt/vol: 1.4(g/mL) G Lab File ID: AG402

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	430000	U
100-02-7	4-Nitrophenol	26000	J
132-64-9	Dibenzofuran	170000	U
121-14-2	2,4-Dinitrotoluene	170000	U
84-66-2	Diethylphthalate	170000	U
86-73-7	Fluorene	170000	U
7005-72-3	4-Chlorophenyl-phenylether	170000	U
100-01-6	4-Nitroaniline	430000	U
534-52-1	4,6-Dinitro-2-methylphenol	430000	U
86-30-6	N-nitrosodiphenylamine (1)	170000	U
101-55-3	4-Bromophenyl-phenylether	170000	U
118-74-1	Hexachlorobenzene	170000	U
1912-24-9	Atrazine	170000	U
87-86-5	Pentachlorophenol	380000	J
85-01-8	Phenanthrene	170000	U
120-12-7	Anthracene	170000	U
86-74-8	Carbazole	170000	U
84-74-2	Di-n-butylphthalate	170000	U
206-44-0	Fluoranthene	170000	U
129-00-0	Pyrene	22000	J
85-68-7	Butylbenzylphthalate	170000	U
91-94-1	3,3'-Dichlorobenzidine	170000	U
56-55-3	Benzo(a)anthracene	170000	U
218-01-9	Chrysene	170000	U
117-81-7	bis(2-Ethylhexyl)phthalate	170000	U
117-84-0	Di-n-octylphthalate	170000	U
205-99-2	Benzo(b)fluoranthene	170000	U
207-08-9	Benzo(k)fluoranthene	170000	U
50-32-8	Benzo(a)pyrene	170000	U
193-39-5	Indeno(1,2,3-cd)pyrene	170000	U
53-70-3	Dibenzo(a,h)anthracene	170000	U
191-24-2	Benzo(g,h,i)perylene	170000	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DN7MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MSD

Sample wt/vol: 1.3(g/mL) G Lab File ID: AG403

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	190000	U
108-95-2	Phenol	27000	J
111-44-4	bis(2-Chloroethyl)Ether	190000	U
95-57-8	2-Chlorophenol	25000	J
95-48-7	2-Methylphenol	190000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	190000	U
98-86-2	Acetophenone	190000	U
106-44-5	4-Methylphenol	190000	U
621-64-7	N-Nitroso-di-n-propylamine	190000	U
67-72-1	Hexachloroethane	190000	U
98-95-3	Nitrobenzene	190000	U
78-59-1	Isophorone	190000	U
88-75-5	2-Nitrophenol	190000	U
105-67-9	2,4-Dimethylphenol	190000	U
111-91-1	bis(2-Chloroethoxy)methane	190000	U
120-83-2	2,4-Dichlorophenol	190000	U
91-20-3	Naphthalene	190000	U
106-47-8	4-Chloroaniline	190000	U
87-68-3	Hexachlorobutadiene	190000	U
105-60-2	Caprolactam	190000	U
59-50-7	4-Chloro-3-Methylphenol	37000	J
91-57-6	2-Methylnaphthalene	190000	U
77-47-4	Hexachlorocyclopentadiene	190000	U
88-06-2	2,4,6-Trichlorophenol	190000	U
95-95-4	2,4,5-Trichlorophenol	460000	U
92-52-4	1,1'-Biphenyl	190000	U
91-58-7	2-Chloronaphthalene	190000	U
88-74-4	2-Nitroaniline	460000	U
131-11-3	Dimethylphthalate	190000	U
606-20-2	2,6-Dinitrotoluene	190000	U
208-96-8	Acenaphthylene	190000	U
99-09-2	3-Nitroaniline	460000	U
83-32-9	Acenaphthene	28000	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MSD

Sample wt/vol: 1.3(g/mL) G Lab File ID: AG403

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 6.6 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	460000	U
100-02-7	4-Nitrophenol	39000	J
132-64-9	Dibenzofuran	190000	U
121-14-2	2,4-Dinitrotoluene	190000	U
84-66-2	Diethylphthalate	190000	U
86-73-7	Fluorene	190000	U
7005-72-3	4-Chlorophenyl-phenylether	190000	U
100-01-6	4-Nitroaniline	460000	U
534-52-1	4,6-Dinitro-2-methylphenol	460000	U
86-30-6	N-nitrosodiphenylamine (1)	190000	U
101-55-3	4-Bromophenyl-phenylether	190000	U
118-74-1	Hexachlorobenzene	190000	U
1912-24-9	Atrazine	190000	U
87-86-5	Pentachlorophenol	520000	
85-01-8	Phenanthrene	190000	U
120-12-7	Anthracene	190000	U
86-74-8	Carbazole	190000	U
84-74-2	Di-n-butylphthalate	190000	U
206-44-0	Fluoranthene	190000	U
129-00-0	Pyrene	33000	J
85-68-7	Butylbenzylphthalate	190000	U
91-94-1	3,3'-Dichlorobenzidine	190000	U
56-55-3	Benzo(a)anthracene	190000	U
218-01-9	Chrysene	190000	U
117-81-7	bis(2-Ethylhexyl)phthalate	190000	U
117-84-0	Di-n-octylphthalate	190000	U
205-99-2	Benzo(b)fluoranthene	190000	U
207-08-9	Benzo(k)fluoranthene	190000	U
50-32-8	Benzo(a)pyrene	190000	U
193-39-5	Indeno(1,2,3-cd)pyrene	190000	U
53-70-3	Dibenzo(a,h)anthracene	190000	U
191-24-2	Benzo(g,h,i)perylene	190000	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DN8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5661

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 23 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2600	U
108-95-2	Phenol	2600	U
111-44-4	bis(2-Chloroethyl)Ether	2600	U
95-57-8	2-Chlorophenol	2600	U
95-48-7	2-Methylphenol	2600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2600	U
98-86-2	Acetophenone	2600	U
106-44-5	4-Methylphenol	2600	U
621-64-7	N-Nitroso-di-n-propylamine	2600	U
67-72-1	Hexachloroethane	2600	U
98-95-3	Nitrobenzene	2600	U
78-59-1	Isophorone	2600	U
88-75-5	2-Nitrophenol	2600	U
105-67-9	2,4-Dimethylphenol	2600	U
111-91-1	bis(2-Chloroethoxy)methane	2600	U
120-83-2	2,4-Dichlorophenol	2600	U
91-20-3	Naphthalene	2600	U
106-47-8	4-Chloroaniline	2600	U
87-68-3	Hexachlorobutadiene	2600	U
105-60-2	Caprolactam	2600	U
59-50-7	4-Chloro-3-Methylphenol	2600	U
91-57-6	2-Methylnaphthalene	2600	U
77-47-4	Hexachlorocyclopentadiene	2600	U
88-06-2	2,4,6-Trichlorophenol	2600	U
95-95-4	2,4,5-Trichlorophenol	6400	U
92-52-4	1,1'-Biphenyl	2600	U
91-58-7	2-Chloronaphthalene	2600	U
88-74-4	2-Nitroaniline	6400	U
131-11-3	Dimethylphthalate	2600	U
606-20-2	2,6-Dinitrotoluene	2600	U
208-96-8	Acenaphthylene	540	J
99-09-2	3-Nitroaniline	6400	U
83-32-9	Acenaphthene	1300	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5661

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 23 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	6400	U
100-02-7	4-Nitrophenol	6400	U
132-64-9	Dibenzofuran	1600	J
121-14-2	2,4-Dinitrotoluene	2600	U
84-66-2	Diethylphthalate	2600	U
86-73-7	Fluorene	4100	
7005-72-3	4-Chlorophenyl-phenylether	2600	U
100-01-6	4-Nitroaniline	6400	U
534-52-1	4,6-Dinitro-2-methylphenol	6400	U
86-30-6	N-nitrosodiphenylamine (1)	2600	U
101-55-3	4-Bromophenyl-phenylether	2600	U
118-74-1	Hexachlorobenzene	630	J
1912-24-9	Atrazine	2600	U
87-86-5	Pentachlorophenol	10000	
85-01-8	Phenanthrene	16000	
120-12-7	Anthracene	8400	
86-74-8	Carbazole	1300	J
84-74-2	Di-n-butylphthalate	2600	U
206-44-0	Fluoranthene	28000	E
129-00-0	Pyrene	29000	E
85-68-7	Butylbenzylphthalate	2600	U
91-94-1	3,3'-Dichlorobenzidine	2600	U
56-55-3	Benzo(a)anthracene	17000	
218-01-9	Chrysene	15000	
117-81-7	bis(2-Ethylhexyl)phthalate	2600	U
117-84-0	Di-n-octylphthalate	2600	U
205-99-2	Benzo(b)fluoranthene	8600	
207-08-9	Benzo(k)fluoranthene	12000	
50-32-8	Benzo(a)pyrene	11000	
193-39-5	Indeno(1,2,3-cd)pyrene	5300	
53-70-3	Dibenzo(a,h)anthracene	2400	J
191-24-2	Benzo(g,h,i)perylene	5400	

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DN8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K5661

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 23 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 6.0

GPC Cleanup: (Y/N) Y pH: 8.5 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. 2077-46-5	BENZENE, 1,2,4-TRICHLORO-3-M	6.44	1400	NJ
2. 634-66-2	BENZENE, 1,2,3,4-TETRACHLORO	6.59	1800	NJ
3. 95-94-3	BENZENE, 1,2,4,5-TETRACHLORO	6.94	3400	NJ
4.	UNKNOWN	7.52	820	J
5.	UNKNOWN	7.94	1800	J
6.	UNKNOWN	8.22	1000	J
7. 7320-53-8	DIBENZOFURAN, 4-METHYL-	8.28	950	NJ
8.	UNKNOWN PAH	9.51	3100	J
9. 612-94-2	NAPHTHALENE, 2-PHENYL-	9.64	920	NJ
10. 2381-21-7	PYRENE, 1-METHYL-	10.37	1700	NJ
11. 243-17-4	11H-BENZO[B]FLUORENE	10.46	4300	NJ
12. 243-17-4	11H-BENZO[B]FLUORENE	10.51	2700	NJ
13.	UNKNOWN PAH	10.55	1100	J
14.	UNKNOWN PAH	10.81	1300	J
15. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	10.98	1900	NJ
16.	UNKNOWN PAH	11.03	1300	J
17. 243-51-6	11H-INDENO(1,2-B)QUINOLINE	11.35	840	NJ
18.	UNKNOWN PAH	11.41	1100	J
19. 2381-31-9	BENZ[A]ANTHRACENE, 8-METHYL-	11.56	1300	NJ
20. 1705-84-6	TRIPHENYLENE, 2-METHYL-	11.60	620	NJ
21.	UNKNOWN PAH	12.12	3500	J
22. 207-08-9	BENZO[K]FLUORANTHENE	12.42	5400	NJ
23.	UNKNOWN	12.52	3000	J
24. 192-97-2	BENZO[E]PYRENE	12.64	15000	NJ
25.	UNKNOWN PAH	13.30	3700	J
26.	UNKNOWN	14.08	3500	J
27. 215-58-7	BENZO[B]TRIPHENYLENE	14.75	4200	NJ
28. 191-24-2	BENZO[GHI]PERYLENE	15.28	3900	NJ
29. 192-65-4	NAPHTHO[1,2,3,4-DEF]CHRYSENE	17.62	8100	NJ
30. 0-00-0	1,2:3,4-DIBENZPYRENE	17.85	9300	NJ

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN8DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02DL

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5669

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 23 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 18.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	7700	U
108-95-2	Phenol	7700	U
111-44-4	bis(2-Chloroethyl)Ether	7700	U
95-57-8	2-Chlorophenol	7700	U
95-48-7	2-Methylphenol	7700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7700	U
98-86-2	Acetophenone	7700	U
106-44-5	4-Methylphenol	7700	U
621-64-7	N-Nitroso-di-n-propylamine	7700	U
67-72-1	Hexachloroethane	7700	U
98-95-3	Nitrobenzene	7700	U
78-59-1	Isophorone	7700	U
88-75-5	2-Nitrophenol	7700	U
105-67-9	2,4-Dimethylphenol	7700	U
111-91-1	bis(2-Chloroethoxy)methane	7700	U
120-83-2	2,4-Dichlorophenol	7700	U
91-20-3	Naphthalene	7700	U
106-47-8	4-Chloroaniline	7700	U
87-68-3	Hexachlorobutadiene	7700	U
105-60-2	Caprolactam	7700	U
59-50-7	4-Chloro-3-Methylphenol	7700	U
91-57-6	2-Methylnaphthalene	7700	U
77-47-4	Hexachlorocyclopentadiene	7700	U
88-06-2	2,4,6-Trichlorophenol	7700	U
95-95-4	2,4,5-Trichlorophenol	19000	U
92-52-4	1,1'-Biphenyl	7700	U
91-58-7	2-Chloronaphthalene	7700	U
88-74-4	2-Nitroaniline	19000	U
131-11-3	Dimethylphthalate	7700	U
606-20-2	2,6-Dinitrotoluene	7700	U
208-96-8	Acenaphthylene	7700	U
99-09-2	3-Nitroaniline	19000	U
83-32-9	Acenaphthene	1300	DJ

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DN8DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02DL

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5669

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 23 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 18.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	19000	U
100-02-7	4-Nitrophenol	19000	U
132-64-9	Dibenzofuran	1600	DJ
121-14-2	2,4-Dinitrotoluene	7700	U
84-66-2	Diethylphthalate	7700	U
86-73-7	Fluorene	4200	DJ
7005-72-3	4-Chlorophenyl-phenylether	7700	U
100-01-6	4-Nitroaniline	19000	U
534-52-1	4,6-Dinitro-2-methylphenol	19000	U
86-30-6	N-nitrosodiphenylamine (1)	7700	U
101-55-3	4-Bromophenyl-phenylether	7700	U
118-74-1	Hexachlorobenzene	7700	U
1912-24-9	Atrazine	7700	U
87-86-5	Pentachlorophenol	8800	DJ
85-01-8	Phenanthrene	17000	D
120-12-7	Anthracene	8400	D
86-74-8	Carbazole	1300	DJ
84-74-2	Di-n-butylphthalate	7700	U
206-44-0	Fluoranthene	31000	D
129-00-0	Pyrene	30000	D
85-68-7	Butylbenzylphthalate	7700	U
91-94-1	3,3'-Dichlorobenzidine	7700	U
56-55-3	Benzo(a)anthracene	17000	D
218-01-9	Chrysene	16000	D
117-81-7	bis(2-Ethylhexyl)phthalate	7700	U
117-84-0	Di-n-octylphthalate	7700	U
205-99-2	Benzo(b)fluoranthene	9300	D
207-08-9	Benzo(k)fluoranthene	12000	D
50-32-8	Benzo(a)pyrene	12000	D
193-39-5	Indeno(1,2,3-cd)pyrene	5100	DJ
53-70-3	Dibenzo(a,h)anthracene	2600	DJ
191-24-2	Benzo(g,h,i)perylene	5200	DJ

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DN8DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02DL

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K5669

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 23 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 18.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 634-66-2	BENZENE, 1,2,3,4-TETRACHLORO	6.59	1900	NJD
2. 634-90-2	BENZENE, 1,2,3,5-TETRACHLORO	6.94	3400	NJD
3.	UNKNOWN	7.94	1900	JD
4. 832-71-3	PHENANTHRENE, 3-METHYL-	9.43	1600	NJD
5.	UNKNOWN PAH	9.51	5800	JD
6. 612-94-2	NAPHTHALENE, 2-PHENYL-	9.64	1900	NJD
7. 243-17-4	11H-BENZO[B]FLUORENE	10.46	3900	NJD
8.	UNKNOWN PAH	10.50	2600	JD
9. 2381-21-7	PYRENE, 1-METHYL-	10.63	1600	NJD
10. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	10.97	1700	NJD
11. 75220-53-0	5-METHYL-2-(N-ETHYL-P-CHLORO	12.11	3300	NJD
12. 192-97-2	BENZO[E]PYRENE	12.41	2700	NJD
13. 198-55-0	PERYLENE	12.64	6800	NJD
14.	UNKNOWN	13.34	2400	JD
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03

Sample wt/vol: 30.2(g/mL) G Lab File ID: K5658

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 20 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	U
98-86-2	Acetophenone	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
105-60-2	Caprolactam	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	3100	U
92-52-4	1,1'-Biphenyl	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	3100	U
131-11-3	Dimethylphthalate	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
208-96-8	Acenaphthylene	180	J
99-09-2	3-Nitroaniline	3100	U
83-32-9	Acenaphthene	600	J

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DN9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03

Sample wt/vol: 30.2(g/mL) G Lab File ID: K5658

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 20 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3100	U
100-02-7	4-Nitrophenol	3100	U
132-64-9	Dibenzofuran	620	J
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	1700	
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	3100	U
534-52-1	4,6-Dinitro-2-methylphenol	3100	U
86-30-6	N-nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	540	J
1912-24-9	Atrazine	1200	U
87-86-5	Pentachlorophenol	72000	E
85-01-8	Phenanthrene	8800	
120-12-7	Anthracene	3700	
86-74-8	Carbazole	460	J
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	13000	E
129-00-0	Pyrene	12000	E
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)anthracene	6500	
218-01-9	Chrysene	6000	
117-81-7	bis(2-Ethylhexyl)phthalate	650	J
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo(b)fluoranthene	3700	
207-08-9	Benzo(k)fluoranthene	4000	
50-32-8	Benzo(a)pyrene	4100	
193-39-5	Indeno(1,2,3-cd)pyrene	1900	
53-70-3	Dibenzo(a,h)anthracene	950	J
191-24-2	Benzo(g,h,i)perylene	1900	

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DN9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K5658

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 20 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.5 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. 2077-46-5	BENZENE, 1,2,4-TRICHLORO-3-M	6.44	670	NJ
2. 95-94-3	BENZENE, 1,2,4,5-TETRACHLORO	6.59	3100	NJ
3. 95-94-3	BENZENE, 1,2,4,5-TETRACHLORO	6.94	1800	NJ
4.	UNKNOWN	7.94	1300	J
5.	UNKNOWN	8.41	850	J
6. 1430-97-3	9H-FLUORENE, 2-METHYL-	8.63	580	NJ
7.	UNKNOWN	9.08	570	J
8. 613-12-7	ANTHRACENE, 2-METHYL-	9.40	1400	NJ
9. 779-02-2	ANTHRACENE, 9-METHYL-	9.43	1700	NJ
10. 613-12-7	ANTHRACENE, 2-METHYL-	9.46	1200	NJ
11.	UNKNOWN PAH	9.51	5100	J
12. 612-94-2	NAPHTHALENE, 2-PHENYL-	9.63	790	NJ
13. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.79	870	NJ
14. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.86	640	NJ
15.	UNKNOWN	9.90	1200	J
16. 41464-42-0	1,1'-BIPHENYL, 2,3',5,5'-TET	9.93	680	NJ
17. 1210-12-4	9-ANTHRACENECARBONITRILE	10.31	560	NJ
18. 2381-21-7	PYRENE, 1-METHYL-	10.36	970	NJ
19. 243-17-4	11H-BENZO[B]FLUORENE	10.45	2000	NJ
20.	UNKNOWN PAH	10.50	980	J
21. 2381-21-7	PYRENE, 1-METHYL-	10.54	610	NJ
22. 52663-72-6	1,1'-BIPHENYL, 2,3',4,4',5,5	10.79	950	NJ
23. 239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	10.96	1300	NJ
24. 1705-85-7	CHRYSENE, 6-METHYL-	11.54	650	NJ
25.	UNKNOWN PAH	12.10	820	J
26. 207-08-9	BENZO[K]FLUORANTHENE	12.40	680	NJ
27. 207-08-9	BENZO[K]FLUORANTHENE	12.63	2000	NJ
28.	UNKNOWN	14.05	2100	J
29.	UNKNOWN PAH	14.22	710	J
30. 0-00-0	1,2:3,4-DIBENZPYRENE	17.59	1500	NJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03DL

Sample wt/vol: 30.2(g/mL) G Lab File ID: AG339

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 20 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	12000	U
108-95-2	Phenol	12000	U
111-44-4	bis(2-Chloroethyl)Ether	12000	U
95-57-8	2-Chlorophenol	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
98-86-2	Acetophenone	12000	U
106-44-5	4-Methylphenol	12000	U
621-64-7	N-Nitroso-di-n-propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
111-91-1	bis(2-Chloroethoxy)methane	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
91-20-3	Naphthalene	12000	U
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	12000	U
105-60-2	Caprolactam	12000	U
59-50-7	4-Chloro-3-Methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	31000	U
92-52-4	1,1'-Biphenyl	12000	U
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	31000	U
131-11-3	Dimethylphthalate	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
208-96-8	Acenaphthylene	12000	U
99-09-2	3-Nitroaniline	31000	U
83-32-9	Acenaphthene	12000	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03DL

Sample wt/vol: 30.2(g/mL) G Lab File ID: AG339

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 20 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	31000	U
100-02-7	4-Nitrophenol	31000	U
132-64-9	Dibenzofuran	12000	U
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
86-73-7	Fluorene	1600	DJ
7005-72-3	4-Chlorophenyl-phenylether	12000	U
100-01-6	4-Nitroaniline	31000	U
534-52-1	4,6-Dinitro-2-methylphenol	31000	U
86-30-6	N-nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
1912-24-9	Atrazine	12000	U
87-86-5	Pentachlorophenol	51000	D
85-01-8	Phenanthrene	8400	DJ
120-12-7	Anthracene	3200	DJ
86-74-8	Carbazole	12000	U
84-74-2	Di-n-butylphthalate	12000	U
206-44-0	Fluoranthene	12000	D
129-00-0	Pyrene	9600	DJ
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	12000	U
56-55-3	Benzo(a)anthracene	5800	DJ
218-01-9	Chrysene	5500	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	12000	U
117-84-0	Di-n-octylphthalate	12000	U
205-99-2	Benzo(b)fluoranthene	3300	DJ
207-08-9	Benzo(k)fluoranthene	3300	DJ
50-32-8	Benzo(a)pyrene	3600	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	1800	DJ
53-70-3	Dibenzo(a,h)anthracene	12000	U
191-24-2	Benzo(g,h,i)perylene	1700	DJ

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DN9DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03DL

Sample wt/vol: 30.2 (g/mL) G Lab File ID: AG339

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 20 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 30.0

GPC Cleanup: (Y/N) Y pH: 8.5 Extraction: (Type) SONC

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 634-90-2	BENZENE, 1,2,3,5-TETRACHLORO	6.57	4400	NJD
2.	UNKNOWN PAH	9.33	3400	JD
3. 238-84-6	11H-BENZO[A]FLUORENE	10.31	3100	NJD
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04

Sample wt/vol: 1.0(g/mL) G Lab File ID: K5667

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	60000	U
108-95-2	Phenol	60000	U
111-44-4	bis(2-Chloroethyl)Ether	60000	U
95-57-8	2-Chlorophenol	60000	U
95-48-7	2-Methylphenol	60000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	60000	U
98-86-2	Acetophenone	60000	U
106-44-5	4-Methylphenol	60000	U
621-64-7	N-Nitroso-di-n-propylamine	60000	U
67-72-1	Hexachloroethane	60000	U
98-95-3	Nitrobenzene	60000	U
78-59-1	Isophorone	60000	U
88-75-5	2-Nitrophenol	60000	U
105-67-9	2,4-Dimethylphenol	60000	U
111-91-1	bis(2-Chloroethoxy)methane	60000	U
120-83-2	2,4-Dichlorophenol	60000	U
91-20-3	Naphthalene	60000	U
106-47-8	4-Chloroaniline	60000	U
87-68-3	Hexachlorobutadiene	60000	U
105-60-2	Caprolactam	60000	U
59-50-7	4-Chloro-3-Methylphenol	60000	U
91-57-6	2-Methylnaphthalene	60000	U
77-47-4	Hexachlorocyclopentadiene	60000	U
88-06-2	2,4,6-Trichlorophenol	60000	U
95-95-4	2,4,5-Trichlorophenol	150000	U
92-52-4	1,1'-Biphenyl	60000	U
91-58-7	2-Chloronaphthalene	60000	U
88-74-4	2-Nitroaniline	150000	U
131-11-3	Dimethylphthalate	60000	U
606-20-2	2,6-Dinitrotoluene	60000	U
208-96-8	Acenaphthylene	60000	U
99-09-2	3-Nitroaniline	150000	U
83-32-9	Acenaphthene	60000	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04

Sample wt/vol: 1.0(g/mL) G Lab File ID: K5667

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

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	150000	U
100-02-7	4-Nitrophenol	150000	U
132-64-9	Dibenzofuran	60000	U
121-14-2	2,4-Dinitrotoluene	60000	U
84-66-2	Diethylphthalate	60000	U
86-73-7	Fluorene	60000	U
7005-72-3	4-Chlorophenyl-phenylether	60000	U
100-01-6	4-Nitroaniline	150000	U
534-52-1	4,6-Dinitro-2-methylphenol	150000	U
86-30-6	N-nitrosodiphenylamine (1)	60000	U
101-55-3	4-Bromophenyl-phenylether	60000	U
118-74-1	Hexachlorobenzene	60000	U
1912-24-9	Atrazine	60000	U
87-86-5	Pentachlorophenol	150000	U
85-01-8	Phenanthrene	60000	U
120-12-7	Anthracene	60000	U
86-74-8	Carbazole	60000	U
84-74-2	Di-n-butylphthalate	60000	U
206-44-0	Fluoranthene	60000	U
129-00-0	Pyrene	60000	U
85-68-7	Butylbenzylphthalate	60000	U
91-94-1	3,3'-Dichlorobenzidine	60000	U
56-55-3	Benzo(a)anthracene	60000	U
218-01-9	Chrysene	60000	U
117-81-7	bis(2-Ethylhexyl)phthalate	6000 ~~16000~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	60000	U
205-99-2	Benzo(b)fluoranthene	60000	U
207-08-9	Benzo(k)fluoranthene	60000	U
50-32-8	Benzo(a)pyrene	60000	U
193-39-5	Indeno(1,2,3-cd)pyrene	60000	U
53-70-3	Dibenzo(a,h)anthracene	60000	U
191-24-2	Benzo(g,h,i)perylene	60000	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DP0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04

Sample wt/vol: 1.0 (g/mL) G Lab File ID: K5667

Level: (low/med) MED Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.12	25000	J
2.	UNKNOWN	6.60	18000	J
3.	UNKNOWN	6.69	33000	J
4.	UNKNOWN	7.10	22000	J
5.	UNKNOWN	7.27	18000	J
6.	UNKNOWN	7.68	52000	J
7.	UNKNOWN	7.75	12000	J
8.	UNKNOWN	7.79	18000	J
9. 55191-25-8	BENZENE, (1,1-DIMETHYLNONYL)	7.84	91000	NJ
10.	UNKNOWN	7.94	100000	J
11. 55191-25-8	BENZENE, (1,1-DIMETHYLNONYL)	7.98	85000	NJ
12.	UNKNOWN	8.03	22000	J
13.	UNKNOWN	8.07	28000	J
14.	UNKNOWN	8.10	110000	J
15.	UNKNOWN	8.14	52000	J
16.	UNKNOWN	8.22	37000	J
17.	UNKNOWN	8.26	190000	J
18. 27854-40-6	BENZENE, (1,1-DIMETHYLDECYL)	8.32	170000	NJ
19.	UNKNOWN	8.34	89000	J
20.	UNKNOWN	8.41	230000	J
21.	UNKNOWN	8.47	67000	J
22.	UNKNOWN	8.53	98000	J
23.	UNKNOWN	8.63	21000	J
24.	UNKNOWN	8.85	13000	J
25.	UNKNOWN	8.93	18000	J
26.				
27.				
28.				
29.				
30.				

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5657

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 21 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

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	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	U
98-86-2	Acetophenone	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
91-20-3	Naphthalene	270	J
106-47-8	4-Chloroaniline	360	J
87-68-3	Hexachlorobutadiene	1200	U
105-60-2	Caprolactam	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	160	J
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	3100	U
92-52-4	1,1'-Biphenyl	410	J
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	3100	U
131-11-3	Dimethylphthalate	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
208-96-8	Acenaphthylene	1200	U
99-09-2	3-Nitroaniline	3100	U
83-32-9	Acenaphthene	140	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5657

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 21 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

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	3100	U
100-02-7	4-Nitrophenol	3100	U
132-64-9	Dibenzofuran	130	J
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	190	J
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	3100	U
534-52-1	4,6-Dinitro-2-methylphenol	3100	U
86-30-6	N-nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
1912-24-9	Atrazine	1200	U
87-86-5	Pentachlorophenol	640	J
85-01-8	Phenanthrene	530	J
120-12-7	Anthracene	170	J
86-74-8	Carbazole	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	390	J
129-00-0	Pyrene	570	J
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)anthracene	440	J
218-01-9	Chrysene	690	J
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo(b)fluoranthene	480	J
207-08-9	Benzo(k)fluoranthene	570	J
50-32-8	Benzo(a)pyrene	530	J
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenzo(a,h)anthracene	1200	U
191-24-2	Benzo(g,h,i)perylene	270	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DP1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K5657

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 21 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.6 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. 106-47-8	P-CHLOROANILINE	5.40	350	NJ
2.	UNKNOWN CL4-PCB ISOMER	9.49	370	J
3. 31508-00-6	1,1'-BIPHENYL, 2,3',4,4',5-P	9.92	430	NJ
4. 74472-37-0	1,1'-BIPHENYL, 2,3,4,4',5-PE	10.05	2500	NJ
5. 60145-21-3	1,1'-BIPHENYL, 2,2',4,5',6-P	10.20	1100	NJ
6. 70424-70-3	1,1'-BIPHENYL, 2',3,4,5,5'-P	10.30	10000	NJ
7.	UNKNOWN	10.39	3500	J
8. 31508-00-6	1,1'-BIPHENYL, 2,3',4,4',5-P	10.45	24000	NJ
9. 72-54-8	1,1-DICHLORO-2,2-BIS(P-CHLOR	10.48	7000	NJ
10. 33979-03-2	1,1'-BIPHENYL, 2,2',4,4',6,6	10.54	3700	NJ
11. 41411-62-5	1,1'-BIPHENYL, 2,3,3',4,5,6-	10.57	17000	NJ
12. 68194-12-7	1,1'-BIPHENYL, 2,3',4,5,5'-P	10.63	21000	NJ
13. 60145-22-4	1,1'-BIPHENYL, 2,2',4,4',5',	10.67	4200	NJ
14. 50-29-3	CHLOROPHENOTHANE	10.72	5200	NJ
15. 52663-63-5	1,1'-BIPHENYL, 2,2',3,5,5',6	10.77	44000	NJ
16. 52663-66-8	1,1'-BIPHENYL, 2,2',3,3',4,5	10.82	2500	NJ
17. 52663-68-0	1,1'-BIPHENYL, 2,2',3,4',5,5	10.86	2100	NJ
18. 74472-47-2	1,1'-BIPHENYL, 2,2',3,4,4',5	10.89	1300	NJ
19. 68194-15-0	1,1'-BIPHENYL, 2,2',3,4,5,6'	10.95	12000	NJ
20. 69782-91-8	1,1'-BIPHENYL, 2,3,3',4',5,5	11.01	4600	NJ
21. 32774-16-6	1,1'-BIPHENYL, 3,3',4,4',5,5	11.08	18000	NJ
22. 39635-31-9	1,1'-BIPHENYL, 2,3,3',4,4',5	11.40	19000	NJ
23.	UNKNOWN	11.45	1200	J
24.	UNKNOWN	11.49	2700	J
25. 35694-08-7	1,1'-BIPHENYL, 2,2',3,3',4,4	11.74	1800	NJ
26.	UNKNOWN	11.87	7100	J
27. 192-97-2	BENZO[E]PYRENE	12.58	430	NJ
28.	UNKNOWN	12.84	510	J
29.	UNKNOWN	14.01	390	J
30.				

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-06

Sample wt/vol: 30.4(g/mL) G Lab File ID: K5659

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 16 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)Ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-Methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	4900	U
92-52-4	1,1'-Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	4900	U
131-11-3	Dimethylphthalate	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
208-96-8	Acenaphthylene	1900	U
99-09-2	3-Nitroaniline	4900	U
83-32-9	Acenaphthene	1200	J

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-06

Sample wt/vol: 30.4(g/mL) G Lab File ID: K5659

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 16 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.7 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4900	U
100-02-7	4-Nitrophenol	4900	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
86-73-7	Fluorene	310	J
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	4900	U
534-52-1	4,6-Dinitro-2-methylphenol	4900	U
86-30-6	N-nitrosodiphenylamine (1)	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	230	J
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	720	J
129-00-0	Pyrene	940	J
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)anthracene	1900	U
218-01-9	Chrysene	350	J
117-81-7	bis(2-Ethylhexyl)phthalate	840	J
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	1900	U
50-32-8	Benzo(a)pyrene	1900	U
193-39-5	Indeno(1,2,3-cd)pyrene	1900	U
53-70-3	Dibenzo(a,h)anthracene	1900	U
191-24-2	Benzo(g,h,i)perylene	1900	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DP2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-06

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K5659

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 16 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.7 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 PAH	10.39	730	J
2. 3442-78-2	PYRENE, 2-METHYL-	10.62	490	NJ
3.	UNKNOWN	12.66	690	J
4.	UNKNOWN	12.86	4200	J
5.	UNKNOWN	13.51	2600	J
6.	UNKNOWN	14.02	1700	J
7.	UNKNOWN	14.69	2100	J
8.				
9.				
10.				
11.				
12.				
13.				
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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-07

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5664

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 21 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	420	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
606-20-2	2,6-Dinitrotoluene	420	U
208-96-8	Acenaphthylene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	46	J

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-07

Sample wt/vol: 30.1(g/mL) G Lab File ID: K5664

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 21 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	Fluorene	47	J
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	750	
120-12-7	Anthracene	110	J
86-74-8	Carbazole	73	J
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	570	
218-01-9	Chrysene	630	
117-81-7	bis(2-Ethylhexyl)phthalate	220	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	450	
207-08-9	Benzo(k)fluoranthene	560	
50-32-8	Benzo(a)pyrene	490	
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	97	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DP3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-07

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K5664

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 21 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Extraction: (Type) SONC

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.39	200	J
2. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	5.01	150	NJ
3.	UNKNOWN PAH	9.52	160	J
4. 243-17-4	11H-BENZO[B]FLUORENE	10.47	110	NJ
5. 2381-21-7	PYRENE, 1-METHYL-	10.67	110	NJ
6. 192-97-2	BENZO[E]PYRENE	12.67	280	NJ
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-08

Sample wt/vol: 30.2(g/mL) G Lab File ID: K5656

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1200	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	U
98-86-2	Acetophenone	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
91-20-3	Naphthalene	390	J
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
105-60-2	Caprolactam	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	320	J
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	3000	U
92-52-4	1,1'-Biphenyl	1200	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	3000	U
131-11-3	Dimethylphthalate	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
208-96-8	Acenaphthylene	140	J
99-09-2	3-Nitroaniline	3000	U
83-32-9	Acenaphthene	400	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-08

Sample wt/vol: 30.2(g/mL) G Lab File ID: K5656

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.3 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3000	U
100-02-7	4-Nitrophenol	3000	U
132-64-9	Dibenzofuran	310	J
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
86-73-7	Fluorene	330	J
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	3000	U
534-52-1	4,6-Dinitro-2-methylphenol	3000	U
86-30-6	N-nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
1912-24-9	Atrazine	1200	U
87-86-5	Pentachlorophenol	3000	U
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	300	J
86-74-8	Carbazole	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)anthracene	820	J
218-01-9	Chrysene	1100	J
117-81-7	bis(2-Ethylhexyl)phthalate	380	J
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	930	J
50-32-8	Benzo(a)pyrene	880	J
193-39-5	Indeno(1,2,3-cd)pyrene	540	J
53-70-3	Dibenzo(a,h)anthracene	210	J
191-24-2	Benzo(g,h,i)perylene	540	J

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DP4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-08

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K5656

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 17 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.3 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.	UNKNOWN PAH	9.49	270	J
2.	UNKNOWN PAH	10.62	340	J
3. 192-97-2	BENZO[E]PYRENE	12.59	930	NJ
4.	UNKNOWN	14.02	1000	J
5.	UNKNOWN PAH	14.69	520	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-09

Sample wt/vol: 30.3(g/mL) G Lab File ID: K5655

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 16 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 15.0

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	5800	U
108-95-2	Phenol	5800	U
111-44-4	bis(2-Chloroethyl)Ether	5800	U
95-57-8	2-Chlorophenol	5800	U
95-48-7	2-Methylphenol	5800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5800	U
98-86-2	Acetophenone	5800	U
106-44-5	4-Methylphenol	5800	U
621-64-7	N-Nitroso-di-n-propylamine	5800	U
67-72-1	Hexachloroethane	5800	U
98-95-3	Nitrobenzene	5800	U
78-59-1	Isophorone	5800	U
88-75-5	2-Nitrophenol	5800	U
105-67-9	2,4-Dimethylphenol	5800	U
111-91-1	bis(2-Chloroethoxy)methane	5800	U
120-83-2	2,4-Dichlorophenol	5800	U
91-20-3	Naphthalene	5800	U
106-47-8	4-Chloroaniline	5800	U
87-68-3	Hexachlorobutadiene	5800	U
105-60-2	Caprolactam	5800	U
59-50-7	4-Chloro-3-Methylphenol	5800	U
91-57-6	2-Methylnaphthalene	5800	U
77-47-4	Hexachlorocyclopentadiene	5800	U
88-06-2	2,4,6-Trichlorophenol	5800	U
95-95-4	2,4,5-Trichlorophenol	15000	U
92-52-4	1,1'-Biphenyl	5800	U
91-58-7	2-Chloronaphthalene	5800	U
88-74-4	2-Nitroaniline	15000	U
131-11-3	Dimethylphthalate	5800	U
606-20-2	2,6-Dinitrotoluene	5800	U
208-96-8	Acenaphthylene	5800	U
99-09-2	3-Nitroaniline	15000	U
83-32-9	Acenaphthene	5800	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-09

Sample wt/vol: 30.3(g/mL) G Lab File ID: K5655

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 16 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 15.0

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	15000	U
100-02-7	4-Nitrophenol	15000	U
132-64-9	Dibenzofuran	5800	U
121-14-2	2,4-Dinitrotoluene	5800	U
84-66-2	Diethylphthalate	5800	U
86-73-7	Fluorene	5800	U
7005-72-3	4-Chlorophenyl-phenylether	5800	U
100-01-6	4-Nitroaniline	15000	U
534-52-1	4,6-Dinitro-2-methylphenol	15000	U
86-30-6	N-nitrosodiphenylamine (1)	5800	U
101-55-3	4-Bromophenyl-phenylether	5800	U
118-74-1	Hexachlorobenzene	5800	U
1912-24-9	Atrazine	5800	U
87-86-5	Pentachlorophenol	15000	U
85-01-8	Phenanthrene	650	J
120-12-7	Anthracene	5800	U
86-74-8	Carbazole	5800	U
84-74-2	Di-n-butylphthalate	5800	U
206-44-0	Fluoranthene	730	J
129-00-0	Pyrene	780	J
85-68-7	Butylbenzylphthalate	5800	U
91-94-1	3,3'-Dichlorobenzidine	5800	U
56-55-3	Benzo(a)anthracene	5800	U
218-01-9	Chrysene	5800	U
117-81-7	bis(2-Ethylhexyl)phthalate	5800	U
117-84-0	Di-n-octylphthalate	5800	U
205-99-2	Benzo(b)fluoranthene	5800	U
207-08-9	Benzo(k)fluoranthene	5800	U
50-32-8	Benzo(a)pyrene	5800	U
193-39-5	Indeno(1,2,3-cd)pyrene	5800	U
53-70-3	Dibenzo(a,h)anthracene	5800	U
191-24-2	Benzo(g,h,i)perylene	5800	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

E2DP5

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-09

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K5655

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 16 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 15.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN FATTY ACID	10.64	2100	J
2.	UNKNOWN	11.59	12000	J
3.	UNKNOWN	13.52	3400	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP6

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10

Sample wt/vol: 30.4(g/mL) G Lab File ID: K5660

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1800	U
108-95-2	Phenol	1800	U
111-44-4	bis(2-Chloroethyl)Ether	1800	U
95-57-8	2-Chlorophenol	1800	U
95-48-7	2-Methylphenol	1800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1800	U
98-86-2	Acetophenone	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	N-Nitroso-di-n-propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
111-91-1	bis(2-Chloroethoxy)methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
91-20-3	Naphthalene	3900	
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
105-60-2	Caprolactam	1800	U
59-50-7	4-Chloro-3-Methylphenol	1800	U
91-57-6	2-Methylnaphthalene	860	J
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	4600	U
92-52-4	1,1'-Biphenyl	1800	U
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	4600	U
131-11-3	Dimethylphthalate	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
208-96-8	Acenaphthylene	1800	U
99-09-2	3-Nitroaniline	4600	U
83-32-9	Acenaphthene	1800	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP6

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10

Sample wt/vol: 30.4(g/mL) G Lab File ID: K5660

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4600	U
100-02-7	4-Nitrophenol	4600	U
132-64-9	Dibenzofuran	1800	U
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
86-73-7	Fluorene	260	J
7005-72-3	4-Chlorophenyl-phenylether	1800	U
100-01-6	4-Nitroaniline	4600	U
534-52-1	4,6-Dinitro-2-methylphenol	4600	U
86-30-6	N-nitrosodiphenylamine (1)	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	3000	
1912-24-9	Atrazine	1800	U
87-86-5	Pentachlorophenol	20000	E
85-01-8	Phenanthrene	3700	
120-12-7	Anthracene	920	J
86-74-8	Carbazole	1800	U
84-74-2	Di-n-butylphthalate	1800	U
206-44-0	Fluoranthene	5700	
129-00-0	Pyrene	6400	
85-68-7	Butylbenzylphthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	2700	
117-81-7	bis(2-Ethylhexyl)phthalate	1000	J
117-84-0	Di-n-octylphthalate	1800	U
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	2100	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	J
53-70-3	Dibenzo(a,h)anthracene	480	J
191-24-2	Benzo(g,h,i)perylene	1100	J

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DP6

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K5660

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 11 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.39	4000	J
2.	UNKNOWN	4.49	540	J
3.	UNKNOWN	4.52	1100	J
4. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	4.78	2200	NJ
5.	UNKNOWN	4.93	4000	J
6. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	4.96	2300	NJ
7. 1074-17-5	BENZENE, 1-METHYL-2-PROPYL-	5.03	2300	NJ
8. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	5.09	1100	NJ
9.	UNKNOWN	5.23	1600	J
10.	UNKNOWN	5.27	1600	J
11. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	5.34	2300	NJ
12.	UNKNOWN	5.43	1300	J
13.	UNKNOWN	5.54	2200	J
14.	UNKNOWN	5.58	550	J
15.	UNKNOWN	5.62	810	J
16. 634-66-2	BENZENE, 1,2,3,4-TETRACHLORO	6.94	4100	NJ
17. 608-93-5	BENZENE, PENTACHLORO-	7.81	2500	NJ
18. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.92	1100	NJ
19.	UNKNOWN	8.05	1200	J
20.	UNKNOWN	8.47	1000	J
21.	UNKNOWN PAH	9.49	960	J
22. 1576-67-6	PHENANTHRENE, 3,6-DIMETHYL-	9.79	630	NJ
23. 243-17-4	11H-BENZO[B]FLUORENE	10.44	470	NJ
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP6DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10DL

Sample wt/vol: 30.4(g/mL) G Lab File ID: K5670

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3700	U
108-95-2	Phenol	3700	U
111-44-4	bis(2-Chloroethyl)Ether	3700	U
95-57-8	2-Chlorophenol	3700	U
95-48-7	2-Methylphenol	3700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3700	U
98-86-2	Acetophenone	3700	U
106-44-5	4-Methylphenol	3700	U
621-64-7	N-Nitroso-di-n-propylamine	3700	U
67-72-1	Hexachloroethane	3700	U
98-95-3	Nitrobenzene	3700	U
78-59-1	Isophorone	3700	U
88-75-5	2-Nitrophenol	3700	U
105-67-9	2,4-Dimethylphenol	3700	U
111-91-1	bis(2-Chloroethoxy)methane	3700	U
120-83-2	2,4-Dichlorophenol	3700	U
91-20-3	Naphthalene	3800	D
106-47-8	4-Chloroaniline	3700	U
87-68-3	Hexachlorobutadiene	3700	U
105-60-2	Caprolactam	3700	U
59-50-7	4-Chloro-3-Methylphenol	3700	U
91-57-6	2-Methylnaphthalene	840	DJ
77-47-4	Hexachlorocyclopentadiene	3700	U
88-06-2	2,4,6-Trichlorophenol	3700	U
95-95-4	2,4,5-Trichlorophenol	9200	U
92-52-4	1,1'-Biphenyl	3700	U
91-58-7	2-Chloronaphthalene	3700	U
88-74-4	2-Nitroaniline	9200	U
131-11-3	Dimethylphthalate	3700	U
606-20-2	2,6-Dinitrotoluene	3700	U
208-96-8	Acenaphthylene	3700	U
99-09-2	3-Nitroaniline	9200	U
83-32-9	Acenaphthene	3700	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP6DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10DL

Sample wt/vol: 30.4(g/mL) G Lab File ID: K5670

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 11 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9200	U
100-02-7	4-Nitrophenol	9200	U
132-64-9	Dibenzofuran	3700	U
121-14-2	2,4-Dinitrotoluene	3700	U
84-66-2	Diethylphthalate	3700	U
86-73-7	Fluorene	3700	U
7005-72-3	4-Chlorophenyl-phenylether	3700	U
100-01-6	4-Nitroaniline	9200	U
534-52-1	4,6-Dinitro-2-methylphenol	9200	U
86-30-6	N-nitrosodiphenylamine (1)	3700	U
101-55-3	4-Bromophenyl-phenylether	3700	U
118-74-1	Hexachlorobenzene	2900	DJ
1912-24-9	Atrazine	3700	U
87-86-5	Pentachlorophenol	20000	D
85-01-8	Phenanthrene	3600	DJ
120-12-7	Anthracene	880	DJ
86-74-8	Carbazole	3700	U
84-74-2	Di-n-butylphthalate	3700	U
206-44-0	Fluoranthene	5500	D
129-00-0	Pyrene	6200	D
85-68-7	Butylbenzylphthalate	3700	U
91-94-1	3,3'-Dichlorobenzidine	3700	U
56-55-3	Benzo(a)anthracene	2700	DJ
218-01-9	Chrysene	2700	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	950	DJ
117-84-0	Di-n-octylphthalate	3700	U
205-99-2	Benzo(b)fluoranthene	2000	DJ
207-08-9	Benzo(k)fluoranthene	2100	DJ
50-32-8	Benzo(a)pyrene	2300	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	1200	DJ
53-70-3	Dibenzo(a,h)anthracene	3700	U
191-24-2	Benzo(g,h,i)perylene	1200	DJ

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

E2DP6DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10DL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K5670

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 11 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.39	5900	JD
2. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	4.60	6100	NJD
3. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	4.78	4100	NJD
4.	UNKNOWN	4.93	6300	JD
5. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	4.96	3500	NJD
6. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	5.03	3400	NJD
7. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	5.09	1600	NJD
8.	UNKNOWN	5.23	3000	JD
9.	UNKNOWN	5.27	1700	JD
10. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	5.34	3800	NJD
11. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	5.43	2700	NJD
12.	UNKNOWN	5.54	4200	JD
13.	UNKNOWN	5.58	1100	JD
14.	UNKNOWN	5.62	1600	JD
15. 634-90-2	BENZENE, 1,2,3,5-TETRACHLORO	6.94	3900	NJD
16. 608-93-5	BENZENE, PENTACHLORO-	7.81	2500	NJD
17. 2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	7.92	1200	NJD
18.	UNKNOWN	8.05	1200	JD
19.	UNKNOWN	8.47	1300	JD
20. 832-64-4	PHENANTHRENE, 4-METHYL-	9.50	1300	NJD
21.	UNKNOWN	14.19	2400	JD
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DQ4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-11

Sample wt/vol: 30.3(g/mL) G Lab File ID: K5665

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 26 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
92-52-4	1,1'-Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
606-20-2	2,6-Dinitrotoluene	440	U
208-96-8	Acenaphthylene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-11

Sample wt/vol: 30.3(g/mL) G Lab File ID: K5665

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 26 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	46	J
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
86-73-7	Fluorene	48	J
7005-72-3	4-Chlorophenyl-phenylether	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	100	J
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	63	J
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	350	J
129-00-0	Pyrene	400	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)phthalate	550	
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	150	J
207-08-9	Benzo(k)fluoranthene	120	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	85	J
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

E2DQ4

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-11

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K5665

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: 26 Decanted: (Y/N) N Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKAL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B2A

Sample wt/vol: 30.0(g/mL) G Lab File ID: AG338

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKAL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B2A

Sample wt/vol: 30.0(g/mL) G Lab File ID: AG338

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKAL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B2A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: AG338

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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

SBLKKK

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B2K

Sample wt/vol: 30.0(g/mL) G Lab File ID: K5654

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKK

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B2K

Sample wt/vol: 30.0(g/mL) G Lab File ID: K5654

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKK

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B2K

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K5654

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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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FORM I SV-TIC OLM04.3

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B4K

Sample wt/vol: 30.0(g/mL) G Lab File ID: K5662

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B4K

Sample wt/vol: 30.0(g/mL) G Lab File ID: K5662

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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	35	J
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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: S1013-B4K

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K5662

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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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FORM I SV-TIC OLM04.3

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKKM

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: MS1013-B5K

Sample wt/vol: 1.0(g/mL) G Lab File ID: K5663

Level: (low/med) MED Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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

SBLKKM

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: MS1013-B5K

Sample wt/vol: 1.0(g/mL) G Lab File ID: K5663

Level: (low/med) MED Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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	1400	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

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKKM

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: MS1013-B5K

Sample wt/vol: 1.0 (g/mL) G Lab File ID: K5663

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/13/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/03

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKAQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: MS1016-B3A

Sample wt/vol: 1.0(g/mL) G Lab File ID: AG398

Level: (low/med) MED Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

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.

SBLKAQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: MS1016-B3A

Sample wt/vol: 1.0(g/mL) G Lab File ID: AG398

Level: (low/med) MED Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

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

SBLKAQ

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: MS1016-B3A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: AG398

Level: (low/med) MED Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/16/03

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/17/03

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.				
2.				
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FORM I SV-TIC OLM04.3

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

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	58	57	85	77			0
02	E2DN7	281D	156D	6188D	2125D			0
03	E2DN9	156D	125	3000D	2813D			0
04	E2DP0	75	48	2375D	1938D			0
05	E2DP6DL	440D	373D	2867D	1200D			0
06	E2DQ4	61	61	67	78			0
07	E2DN7DL	231D	231D	8750D	2938D			0
08	E2DN7MS	625D	313D	10625D	4438D			0
09	E2DN7MSD	350D	275D	12500D	6000D			0
10	E2DN9DL	194D	188D	3813D	2813D			0
11	E2DP0DL	150	119	4250D	2500D			0
12	E2DP1	65	76	3412D	1059D			0
13	E2DQ4DL	78	83	19D	89			0
14	E2DP2	41	34	113	113			0
15	E2DP1DL	0D	0D	2588D	1176D			0
16	E2DN8	341D	288D	5647D	4471D			0
17	E2DP3	45	41	106	106			0
18	E2DP4	33	36	163*	169*			2
19	E2DP5	42	34	44	38			0
20	E2DP6	320*	213*	2000*	733*			4
21	E2DN8DL	0D	282D	7647D	3000D			0
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

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix Spike - EPA Sample No.: E2DN7

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	20	0.00	0.00	0*	46-127
Heptachlor	20	0.00	0.00	0*	35-130
Aldrin	20	100	180	400*	34-132
Dieldrin	40	40	77	93	31-134
Endrin	40	0.00	96	240*	42-139
4,4'-DDT	40	670	730	150*	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	20	0.00	0*		50	46-127
Heptachlor	20	0.00	0*		31	35-130
Aldrin	20	220	600*	40	43	34-132
Dieldrin	40	70	75	21	38	31-134
Endrin	40	99	248*	3	45	42-139
4,4'-DDT	40	800	325*	74*	50	23-134

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

* Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 10 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.: 32243 SAS No.: SDG No.: E2DN7

Lab Sample ID: P1013-B3 Lab File ID: _____

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 10/13/03

Date Analyzed (1): 10/14/03 Date Analyzed (2): 10/14/03

Time Analyzed (1): 1606 Time Analyzed (2): 1606

Instrument ID (1): GC6 Instrument ID (2): GC6

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	E2DN7	031434-01	10/14/03	10/14/03
02	E2DN9	031434-03	10/14/03	10/14/03
03	E2DP0	031434-04	10/14/03	10/14/03
04	E2DP6DL	031434-10DL	10/14/03	10/14/03
05	E2DQ4	031434-11	10/14/03	10/14/03
06	E2DN7DL	031434-01DL	10/15/03	10/15/03
07	E2DN7MS	031434-01MS	10/15/03	10/15/03
08	E2DN7MSD	031434-01MSD	10/15/03	10/15/03
09	E2DN9DL	031434-03DL	10/15/03	10/15/03
10	E2DP0DL	031434-04DL	10/15/03	10/15/03
11	E2DP1	031434-05	10/15/03	10/15/03
12	E2DQ4DL	031434-11DL	10/15/03	10/15/03
13	E2DP2	031434-06	10/15/03	10/15/03
14	E2DP1DL	031434-05DL	10/15/03	10/15/03
15	E2DN8	031434-02	10/15/03	10/15/03
16	E2DP3	031434-07	10/15/03	10/15/03
17	E2DP4	031434-08	10/15/03	10/15/03
18	E2DP5	031434-09	10/15/03	10/15/03
19	E2DP6	031434-10	10/15/03	10/15/03
20	E2DN8DL	031434-02DL	10/15/03	10/15/03
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/14/03

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6 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	100	~~P~~ J
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	40	
72-55-9	4,4'-DDE	44	~~P~~ J
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	700	E
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	670	E~~P~~ J
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	330	~~P~~ J
7421-93-4	Endrin aldehyde	39	U
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	130	
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	800	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	3300	~~P~~ J
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	7000	E~~P~~ J

DLR
11/4/03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01DL

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 6.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	200	U
319-85-7	beta-BHC	200	U
319-86-8	delta-BHC	200	U
58-89-9	gamma-BHC (Lindane)	200	U
76-44-8	Heptachlor	200	U
309-00-2	Aldrin	200	U
1024-57-3	Heptachlor epoxide	200	U
959-98-8	Endosulfan I	200	U
60-57-1	Dieldrin	390	U
72-55-9	4,4'-DDE	390	U
72-20-8	Endrin	390	U
33213-65-9	Endosulfan II	390	U
72-54-8	4,4'-DDD	840	D
1031-07-8	Endosulfan sulfate	390	U
50-29-3	4,4'-DDT	940	~~DP~~ J
72-43-5	Methoxychlor	2000	U
53494-70-5	Endrin ketone	390	U
7421-93-4	Endrin aldehyde	390	U
5103-71-9	alpha-Chlordane	200	U
5103-74-2	gamma-Chlordane	200	U
8001-35-2	Toxaphene	20000	U
12674-11-2	Aroclor-1016	3900	U
11104-28-2	Aroclor-1221	8000	U
11141-16-5	Aroclor-1232	3900	U
53469-21-9	Aroclor-1242	3900	U
12672-29-6	Aroclor-1248	5800	D
11097-69-1	Aroclor-1254	3900	U
11096-82-5	Aroclor-1260	10000	~~DP~~ J

OK 11/4/03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	220	U
319-85-7	beta-BHC	220	U
319-86-8	delta-BHC	220	U
58-89-9	gamma-BHC (Lindane)	220	U
76-44-8	Heptachlor	220	U
309-00-2	Aldrin	800	
1024-57-3	Heptachlor epoxide	220	U
959-98-8	Endosulfan I	220	U
60-57-1	Dieldrin	430	U
72-55-9	4,4'-DDE	430	U
72-20-8	Endrin	430	U
33213-65-9	Endosulfan II	430	U
72-54-8	4,4'-DDD	1100	
1031-07-8	Endosulfan sulfate	430	U
50-29-3	4,4'-DDT	18000	E
72-43-5	Methoxychlor	2200	U
53494-70-5	Endrin ketone	430	U
7421-93-4	Endrin aldehyde	430	U
5103-71-9	alpha-Chlordane	220	U
5103-74-2	gamma-Chlordane	220	U
8001-35-2	Toxaphene	22000	U
12674-11-2	Aroclor-1016	4300	U
11104-28-2	Aroclor-1221	8600	U
11141-16-5	Aroclor-1232	4300	U
53469-21-9	Aroclor-1242	4300	U
12672-29-6	Aroclor-1248	19000	
11097-69-1	Aroclor-1254	4300	U
11096-82-5	Aroclor-1260	11000	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN8DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-02DL

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 23 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2200	U
319-85-7	beta-BHC	2200	U
319-86-8	delta-BHC	2200	U
58-89-9	gamma-BHC (Lindane)	2200	U
76-44-8	Heptachlor	2200	U
309-00-2	Aldrin	2200	U
1024-57-3	Heptachlor epoxide	2200	U
959-98-8	Endosulfan I	2200	U
60-57-1	Dieldrin	4300	U
72-55-9	4,4'-DDE	4300	U
72-20-8	Endrin	4300	U
33213-65-9	Endosulfan II	4300	U
72-54-8	4,4'-DDD	4300	U
1031-07-8	Endosulfan sulfate	4300	U
50-29-3	4,4'-DDT	26000	D
72-43-5	Methoxychlor	22000	U
53494-70-5	Endrin ketone	4300	U
7421-93-4	Endrin aldehyde	4300	U
5103-71-9	alpha-Chlordane	2200	U
5103-74-2	gamma-Chlordane	2200	U
8001-35-2	Toxaphene	220000	U
12674-11-2	Aroclor-1016	43000	U
11104-28-2	Aroclor-1221	86000	U
11141-16-5	Aroclor-1232	43000	U
53469-21-9	Aroclor-1242	43000	U
12672-29-6	Aroclor-1248	22000	DJ
11097-69-1	Aroclor-1254	43000	U
11096-82-5	Aroclor-1260	43000	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MS

Sample wt/vol: 30.3(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6 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	180	~~P~~ J
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	77	~~P~~ J
72-55-9	4,4'-DDE	60	~~P~~ J
72-20-8	Endrin	96	~~P~~ J
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	1000	E~~P~~ J
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	730	E~~P~~ J
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	39	U
7421-93-4	Endrin aldehyde	39	U
5103-71-9	alpha-Chlordane	34	~~P~~ J
5103-74-2	gamma-Chlordane	20	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	800	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	5600	~~P~~ J
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	8200	~~P~~ J

11-14-03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN7MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-01MSD

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6 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	220	~~P~~ J
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	70	~~P~~ J
72-55-9	4,4'-DDE	100	~~P~~ J
72-20-8	Endrin	99	~~P~~ J
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	1400	E
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	800	~~EP~~ J
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	39	U
7421-93-4	Endrin aldehyde	39	U
5103-71-9	alpha-Chlordane	36	~~P~~ J
5103-74-2	gamma-Chlordane	20	U
8001-35-2	Toxaphene	2000	U
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	800	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	8100	E
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	10000	E

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/14/03

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.5 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	24	~~P~~ J
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	200	
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	140	
72-55-9	4,4'-DDE	180	~~P~~ J
72-20-8	Endrin	41	U
33213-65-9	Endosulfan II	200	~~P~~ J
72-54-8	4,4'-DDD	650	~~P~~ J
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	830	U
11141-16-5	Aroclor-1232	410	U
53469-21-9	Aroclor-1242	410	U
12672-29-6	Aroclor-1248	5400	~~P~~ J
11097-69-1	Aroclor-1254	410	U
11096-82-5	Aroclor-1260	18000	~~P~~ J

DK
11/4/03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DN9DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-03DL

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	210	U
319-85-7	beta-BHC	210	U
319-86-8	delta-BHC	210	U
58-89-9	gamma-BHC (Lindane)	210	U
76-44-8	Heptachlor	210	U
309-00-2	Aldrin	240	DPJ
1024-57-3	Heptachlor epoxide	210	U
959-98-8	Endosulfan I	210	U
60-57-1	Dieldrin	410	U
72-55-9	4,4'-DDE	410	U
72-20-8	Endrin	410	U
33213-65-9	Endosulfan II	410	U
72-54-8	4,4'-DDD	780	DPJ
1031-07-8	Endosulfan sulfate	410	U
50-29-3	4,4'-DDT	3700	D
72-43-5	Methoxychlor	2100	U
53494-70-5	Endrin ketone	410	U
7421-93-4	Endrin aldehyde	410	U
5103-71-9	alpha-Chlordane	210	U
5103-74-2	gamma-Chlordane	210	U
8001-35-2	Toxaphene	21000	U
12674-11-2	Aroclor-1016	4100	U
11104-28-2	Aroclor-1221	8300	U
11141-16-5	Aroclor-1232	4100	U
53469-21-9	Aroclor-1242	4100	U
12672-29-6	Aroclor-1248	6200	DPJ
11097-69-1	Aroclor-1254	4100	U
11096-82-5	Aroclor-1260	9400	DPJ

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/14/03

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	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	91	
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	73	
72-55-9	4,4'-DDE	85	~~P~~ J
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	330	~~P~~ J
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	140	~~P~~ J
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	39	U
7421-93-4	Endrin aldehyde	39	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	390	U
11104-28-2	Aroclor-1221	800	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	4300	~~P~~ J
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	9200	~~P~~ J

DQ
1/14/03

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP0DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-04DL

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 100.0

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	200	U
319-85-7	beta-BHC	200	U
319-86-8	delta-BHC	200	U
58-89-9	gamma-BHC (Lindane)	200	U
76-44-8	Heptachlor	200	U
309-00-2	Aldrin	200	U
1024-57-3	Heptachlor epoxide	200	U
959-98-8	Endosulfan I	200	U
60-57-1	Dieldrin	390	U
72-55-9	4,4'-DDE	390	U
72-20-8	Endrin	390	U
33213-65-9	Endosulfan II	390	U
72-54-8	4,4'-DDD	390	U
1031-07-8	Endosulfan sulfate	390	U
50-29-3	4,4'-DDT	390	U
72-43-5	Methoxychlor	2000	U
53494-70-5	Endrin ketone	390	U
7421-93-4	Endrin aldehyde	390	U
5103-71-9	alpha-Chlordane	200	U
5103-74-2	gamma-Chlordane	200	U
8001-35-2	Toxaphene	20000	U
12674-11-2	Aroclor-1016	3900	U
11104-28-2	Aroclor-1221	8000	U
11141-16-5	Aroclor-1232	3900	U
53469-21-9	Aroclor-1242	3900	U
12672-29-6	Aroclor-1248	6100	D
11097-69-1	Aroclor-1254	3900	U
11096-82-5	Aroclor-1260	12000	D

11/4/07

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 100.0

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	210	U
319-85-7	beta-BHC	210	U
319-86-8	delta-BHC	210	U
58-89-9	gamma-BHC (Lindane)	210	U
76-44-8	Heptachlor	210	U
309-00-2	Aldrin	210	U
1024-57-3	Heptachlor epoxide	210	U
959-98-8	Endosulfan I	210	U
60-57-1	Dieldrin	410	U
72-55-9	4,4'-DDE	410	U
72-20-8	Endrin	590	
33213-65-9	Endosulfan II	1400	~~P~~ J
72-54-8	4,4'-DDD	1800	~~P~~ J
1031-07-8	Endosulfan sulfate	410	U
50-29-3	4,4'-DDT	2300	~~P~~ J
72-43-5	Methoxychlor	2100	U
53494-70-5	Endrin ketone	410	U
7421-93-4	Endrin aldehyde	410	U
5103-71-9	alpha-Chlordane	210	U
5103-74-2	gamma-Chlordane	210	U
8001-35-2	Toxaphene	21000	U
12674-11-2	Aroclor-1016	4100	U
11104-28-2	Aroclor-1221	8400	U
11141-16-5	Aroclor-1232	4100	U
53469-21-9	Aroclor-1242	4100	U
12672-29-6	Aroclor-1248	5100	~~P~~ J
11097-69-1	Aroclor-1254	4100	U
11096-82-5	Aroclor-1260	58000	

DJW
11/4/03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP1DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-05DL

Sample wt/vol: 30.4(g/mL) G Lab File ID: _____

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

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	2100	U
319-85-7	beta-BHC	2100	U
319-86-8	delta-BHC	2100	U
58-89-9	gamma-BHC (Lindane)	2100	U
76-44-8	Heptachlor	2100	U
309-00-2	Aldrin	2100	U
1024-57-3	Heptachlor epoxide	2100	U
959-98-8	Endosulfan I	2100	U
60-57-1	Dieldrin	4100	U
72-55-9	4,4'-DDE	4100	U
72-20-8	Endrin	4100	U
33213-65-9	Endosulfan II	4100	U
72-54-8	4,4'-DDD	4100	U
1031-07-8	Endosulfan sulfate	4100	U
50-29-3	4,4'-DDT	4100	U
72-43-5	Methoxychlor	21000	U
53494-70-5	Endrin ketone	4100	U
7421-93-4	Endrin aldehyde	4100	U
5103-71-9	alpha-Chlordane	2100	U
5103-74-2	gamma-Chlordane	2100	U
8001-35-2	Toxaphene	210000	U
12674-11-2	Aroclor-1016	41000	U
11104-28-2	Aroclor-1221	84000	U
11141-16-5	Aroclor-1232	41000	U
53469-21-9	Aroclor-1242	41000	U
12672-29-6	Aroclor-1248	5800	DJ
11097-69-1	Aroclor-1254	41000	U
11096-82-5	Aroclor-1260	74000	DJ

DJW
11/21/03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-06

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7 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	2.2	
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	9.6	~~P~~ J
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	67	~~P~~ J
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	110	~~P~~ J

JWS
11/4/03

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-07

Sample wt/vol: 30.2(g/mL) G Lab File ID: _____

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

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	2.1	U
319-85-7	beta-BHC	2.1	U
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	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	17	
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	2.1	U
5103-74-2	gamma-Chlordane	2.5	
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	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.

E2DP4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-08

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 17 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 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	17	~~P~~ J
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.1	~~P~~ J
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	13	~~P~~ J
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	3.7	~~P~~ J
5103-74-2	gamma-Chlordane	8.9	
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	80	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

DJS 11/4/03

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-09

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

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.

E2DP6

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 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	3.5	~~P~~ J
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	2.6	~~P~~ J
76-44-8	Heptachlor	29	~~P~~ J
309-00-2	Aldrin	30	~~E~~ J
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	7.8	~~P~~ J
72-55-9	4,4'-DDE	32	~~P~~ J
72-20-8	Endrin	28	~~P~~ J
33213-65-9	Endosulfan II	24	~~P~~ J
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	32	~~P~~ J
50-29-3	4,4'-DDT	34	~~P~~ J
72-43-5	Methoxychlor	74	~~P~~ J
53494-70-5	Endrin ketone	44	~~P~~ J
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	740	~~EP~~ J
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	1500	~~E~~ J

DMG
11/4/03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP6DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-10DL

Sample wt/vol: 30.5(g/mL) G Lab File ID: _____

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/14/03

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4 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	30	D~~P~~J
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	47	D~~P~~J
309-00-2	Aldrin	61	D~~P~~J
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	36	U
72-55-9	4,4'-DDE	36	U
72-20-8	Endrin	36	U
33213-65-9	Endosulfan II	36	U
72-54-8	4,4'-DDD	36	U
1031-07-8	Endosulfan sulfate	51	D~~P~~J
50-29-3	4,4'-DDT	36	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	36	U
7421-93-4	Endrin aldehyde	36	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	360	U
11104-28-2	Aroclor-1221	740	U
11141-16-5	Aroclor-1232	360	U
53469-21-9	Aroclor-1242	360	U
12672-29-6	Aroclor-1248	1500	D~~P~~J
11097-69-1	Aroclor-1254	360	U
11096-82-5	Aroclor-1260	1300	D~~P~~J

DJK
11/4/03

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ4

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-11

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 26 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/14/03

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	2.3	U
319-85-7	beta-BHC	2.3	U
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	9.0	
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	22	~~P~~ J
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-93-4	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	90	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

JLH 11/4/03

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ4DL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: 031434-11DL

Sample wt/vol: 30.1(g/mL) G Lab File ID: _____

% Moisture: 26 Decanted: (Y/N) N Date Received: 10/10/03

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/15/03

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	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	44	U
72-55-9	4,4'-DDE	44	U
72-20-8	Endrin	44	U
33213-65-9	Endosulfan II	44	U
72-54-8	4,4'-DDD	44	U
1031-07-8	Endosulfan sulfate	44	U
50-29-3	4,4'-DDT	44	U
72-43-5	Methoxychlor	230	U
53494-70-5	Endrin ketone	44	U
7421-93-4	Endrin aldehyde	44	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	440	U
11104-28-2	Aroclor-1221	900	U
11141-16-5	Aroclor-1232	440	U
53469-21-9	Aroclor-1242	440	U
12672-29-6	Aroclor-1248	440	U
11097-69-1	Aroclor-1254	1000	D
11096-82-5	Aroclor-1260	440	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.: 32243 SAS No.: SDG No.: E2DN7

Matrix: (soil/water) SOIL Lab Sample ID: P1013-B3

Sample wt/vol: 30.0(g/mL) G Lab File ID: _____

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 10/13/03

Concentrated Extract Volume: 5000(uL) Date Analyzed: 10/14/03

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: E2D07 CERCLIS No: ILD980792004

Case No: 32243 Site Name Location: Sauget Site N

Contractor or EPA Lab: CEMIC Data User: TETRA TECH

No. of Samples: 11 Date Sampled or Date Received: 10-24-03

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: 11 No. of samples received: 11

Received by: Erna M. Dixon/ESAT Date: 10-24-03

Received by LSSS: Erna M. Dixon/ESAT Date: 10-24-03

Review started: 11/3/03 Reviewer Signature: [signature]

Total time spent on review: 17 Date review completed: 11/4/03

Copied by: Erna M. Dixon/ESAT Date: 11-7-03

Mailed to user by: Erna M. Dixon/ESAT Date: 11-7-03

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: ____

NOV 0 5 2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: November 3, 2003

SUBJECT: Review of Data
Received for Review on October 20, 2003

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

TO: Data User: Tetra Tech

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

SITE NAME: Sauget Site N (IL)

CASE NUMBER: 32243 SDG NUMBER: ME2DN7

. .nber and Type of Samples: 11 soil

Sample Numbers: ME2DN7-N9,ME2DP0-P6, ME2DQ4

Laboratory: Chemtech Hrs. for Review: 12 +2

Following are our findings:

cc: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

Case: 30176 **SDG: ME0SA1**

Site: Velsicol Chemical Corp. (MI) **Laboratory: AATS**

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

Eleven (11) soil samples, numbered ME2DN7-N9, ME2DP0-P6, and ME2DQ4, were collected on 10/07/03 and 10/08/03. The lab received the samples on 10/10/03 in good condition. All samples were analyzed for metals. All samples were analyzed using CLP SOW ILM04.0 analysis procedures.

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

Reviewed By: M Nota

Date: 11-3-03

Case: 30176 **SDG: ME0SA1**
Site: Velsicol Chemical Corp. (MI) **Laboratory: AATS**

HOLDING TIME:

HOLDING TIME CRITERIA

Inorganic

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

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

ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

2. CALIBRATIONS:

CALIBRATION CRITERIA

Inorganic

Percent Recovery Limits

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

No problems were found for this qualification.

Reviewed By: [illegible]
Date: [illegible]

Case: 30176 **SDG: ME0SA1**
Site: Velsicol Chemical Corp. (MI) **Laboratory: AATS**

BLANKS:

LABORATORY BLANKS CRITERIA

DC-283: The following inorganic samples are associated with a blank analyte with negative concentration whose absolute value is greater than the instrument detection limit (IDL). Some sample concentrations are greater than the IDL and less than five times the absolute value of the blank concentration. Hits are qualified "J".

Selenium

ME2DN7, ME2DQ4

Thallium

ME2DN7, ME2DQ4

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

Arsenic

ME2DN7, ME2DP0, ME2DP1, ME2DP2, ME2DP3, ME2PQ4

Mercury

ME2DP3, ME2DP4, ME2DP5, ME2DQ4

Selenium

ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP3
ME2DP4, ME2DP5, ME2DQ4

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

MATRIX SPIKE CRITERIA

Inorganic

Percent Recovery Limits

Upper	125.0
Lower	75.0
Extreme lower	30.0

Reviewed By: M. Matter
Date: 11-3-03

Case: 30176 **SDG: ME0SA1**

Site: Velsicol Chemical Corp. (MI) **Laboratory: AATS**

DC-267: The following inorganic samples are associated with a matrix spike recovery which is high (>125%)
Hits are qualified "J" and non-detects are not flagged.

Mercury
ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP3
ME2DP4, ME2DP5, ME2DP6, ME2DQ4

DC-268: The following inorganic samples are associated with a matrix spike recovery which is low (30-74 %) indicating that sample results may be biased low.
Hits are qualified "J" and non-detects are qualified "UJ".

Arsenic
ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

Silver
ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2,
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

DC-269: The following inorganic samples are associated with a matrix spike recovery which is extremely low (<30 %) indicating that sample results may be biased low.
Hits are qualified "J" and non-detects are qualified "R".

Copper
ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

5. LABORATORY AND FIELD DUPLICATE

DC-256: The following inorganic samples are associated with matrix and field duplicate results which did not meet relative percent difference (RPD) criteria. Samples ME2DN8/ME2DN9 are designated at a field duplicate pair.
Hits are qualified "J" and non-detects are qualified "UJ".

Chromium
ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

Copper

ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

Lead

ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

Reviewed By: M. Watts
Date: 11-2-03

Mercury

ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

DC-330: The following inorganic samples are associated with duplicate results which did not meet absolute difference criteria. Hits are qualifed "J" and non-detects are qualified "UJ".

Antimony

ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

6. ICP ANALYSIS

DC-294: The analyte concentration is high (>50 X the IDL) and serial dilution percent difference is not in control (>10%). Hits are qualified "J" and non-detects are qualified "UJ".

Potassium
ME2DN7, ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2
ME2DP3, ME2DP4, ME2DP5, ME2DP6, ME2DQ4

The following results are affected by an interference check "A" sample(ICSA) for which consistent false negative concentration values were obtained. The sample contains Al, Ca, Fe, or Mg, at a level comparable to that of the ICSA; some non-detect concentration values are sufficiently high that the negative ICSA reading may have caused the IDL to be elevated. In some samples, the trace analyte concentration is comparable to the absolute value of the negative ICSA reading concentration.

Hits are qualified "J" and non-detects are qualified "UJ".

Selenium

ME2DN8, ME2DN9, ME2DP0, ME2DP1, ME2DP2, ME2DP3,
ME2DP4, ME2DP5, ME2DP6

7. GFAA ANALYSIS

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS

The following inorganic sample is associated with a concentration value which is much less than the negative CRDL indicating a possible elevated detection limit. The result is unusable "R".

Cadmium
ME2DQ4

All data, except those qualified above, are acceptable.

Reviewed By: M Matter
Date: 11-5-93

Case: 30176
Site: Velsicol Chemical Corp. (MI)

SDG: ME0SA1
Laboratory: AATS

CADRE Data Qualifier Sheet

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

Reviewed By: M. Martin
Date: 11-3-03

Analytical Results (Qualified Data)

Case #: 32243
SDG : ME2DN7
Site : DEAD CREEK
Lab. : CHEMTECH
Reviewer : M. Mattox
Date : 11/03/03

Number of Soil Samples : 11
Number of Water Samples : 0

Sample Number :	ME2DN7		ME2DN8		ME2DN9		ME2DP0		ME2DP1	
Sampling Location :	SS01		SS02		SS02D		SS03		SS04	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	10/07/2003		10/07/2003		10/07/2003		10/07/2003		10/07/2003	
Time Sampled :	08:45		09:55		09:55		10:15		11:50	
%Solids :	86.5		75.9		76.4		76.6		81.6	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	2700		3200		4000		8290		3480	
ANTIMONY	2.4	J	88.0	J	18.8	J	3.2	J	18.2	J
ARSENIC	6.8	J	7.0	J	6.4	J	5.3	J	4.2	J
BARIUM	6760		394		419		1110		229	
BERYLLIUM	0.29		0.30		0.32		0.26		0.30	
CADMIUM	9.1		3.0		2.1		9.4		2.9	
CALCIUM	11500		23800		31800		17900		17400	
CHROMIUM	19.9	J	22.8	J	26.7	J	60.9	J	10.5	J
COBALT	13.8		5.8		5.9		6.9		4.8	
COPPER	228	J	254	J	363	J	180	J	45.1	J
IRON	13400		25100		19500		13400		10400	
LEAD	360	J	3070	J	1480	J	450	J	4080	J
MAGNESIUM	1880		2780		3710		2180		4270	
MANGANESE	109		291		273		170		167	
MERCURY	1.9	J	1.1	J	1.9	J	1.6	J	0.52	J
NICKEL	56.8		39.1		31.3		27.2		29.4	
POTASSIUM	438	J	555	J	868	J	644	J	704	J
SELENIUM	0.58	J	1.1	J	0.87	J	0.88	J	0.60	J
SILVER	0.35	UJ	2.9	J	0.51	J	0.38	UJ	0.36	UJ
SODIUM	453		258		294		424		219	
THALLIUM	1.0	J	1.1	U	1.1	U	1.1	U	1.0	U
VANADIUM	68.9		13.7		15.2		32.3		66.1	
ZINC	686		609		546		606		433	
CYANIDE										

Analytical Results (Qualified Data)

Case #: 32243 SDG : ME2DN7
Site : DEAD CREEK
Lab. : CHEMTECH
Reviewer : M. Mattox
Date : 11/03/03

Sample Number :	ME2DP2		ME2DP3		ME2DP4		ME2DP5		ME2DP6	
Sampling Location :	SS01		SS02		SS01		SS02		SS03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	10/07/2003		10/07/2003		10/08/2003		10/08/2003		10/08/2003	
Time Sampled :	15:30		16:10		08:45		10:15		11:00	
%Solids :	81.7		79.3		83.4		81.2		80.3	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	3740		4760		5040		4160		3770	
ANTIMONY	1.8	UJ	1.8	UJ	8.5	J	1.7	UJ	4.3	J
ARSENIC	5.7	J	4.0	J	23.1	J	6.4	J	8.2	J
BARIUM	113		176		327		941		171	
BERYLLIUM	0.48		0.45		0.58		0.40		0.45	
CADMIUM	1.7		0.40		3.1		0.12	U	2.4	
CALCIUM	75200		69400		53300		18900		56300	
CHROMIUM	29.3	J	11.7	J	74.2	J	9.6	J	22.6	J
COBALT	6.4		5.2		9.5		6.4		6.2	
COPPER	64.0	J	27.7	J	414	J	129.5	J	102	J
IRON	35600		11600		35300		11800		34400	
LEAD	366	J	179	J	822	J	67.6	J	427	J
MAGNESIUM	4870		8580		3930		4060		5920	
MANGANESE	572		289		2120		193		354	
MERCURY	0.060	UJ	0.28	J	0.28	J	0.10	J	2.5	J
NICKEL	30.8		14.4		41.3		16.1		27.7	
POTASSIUM	872	J	898	J	747	J	911	J	769	J
SELENIUM	0.47	UJ	0.95	J	0.90	J	0.86	J	0.46	UJ
SILVER	0.37	UJ	0.38	UJ	2.2	J	0.36	UJ	0.36	UJ
SODIUM	229		138	U	205		132	U	196	
THALLIUM	1.0	U	1.1	U	1.0	U	1.0	U	1.0	U
VANADIUM	12.5		16.3		50.0		14.5		17.8	
ZINC	438		184		934		114		955	
CYANIDE										

Analytical Results (Qualified Data)

Case #: 32243 SDG : ME2DN7
Site : DEAD CREEK
Lab. : CHEMTECH
Reviewer : M. Mattox
Date : 11/03/03

Sample Number :	ME2DQ4									
Sampling Location :	SS01									
Matrix :	Soil									
Units :	mg/Kg									
Date Sampled :	10/08/2003									
Time Sampled :	15:40									
%Solids :	74.1									
Dilution Factor :	1.0									
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	1980									
ANTIMONY	12.6	J								
ARSENIC	1.8	J								
BARIUM	2230									
BERYLLIUM	0.21									
CADMIUM	0.14	R								
CALCIUM	27200									
CHROMIUM	48.0	J								
COBALT	5.8									
COPPER	64.0	J								
IRON	163000									
LEAD	58.5	J								
MAGNESIUM	1940									
MANGANESE	238									
MERCURY	0.18	J								
NICKEL	23.2									
POTASSIUM	448	J								
SELENIUM	1.3	J								
SILVER	0.40	UJ								
SODIUM	148	U								
THALLIUM	1.2	J								
VANADIUM	11.4									
ZINC	349									
CYANIDE										

QC EXCEPTION SUMMARY REPORT

CASE\SAS#: 32243
DATA SET: SDG ME2DN7
LAB QC #
DATE: 11-3-03

SITE: SAUGET SITE N (IL)
LAB: CHEMTECH
REVIEWED BY: M. MATTOX

MATRIX: SOIL
CONC:

WATER SAMPLE SPK: ✓
WATER SAMPLE DUP: ✓
SOIL SAMPLE SPK: ME2DN7S
SOIL SAMPLE DUP: ME2DN7D

FORM 2		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 WR	SOIL SPIKE WR	SOIL DUP RPD	LCS AQ	LCS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP RPD	AQ SPIKE WR	BLANK	DUP RPD N8/N9	BLANK	DUP RPD	GFAA DUP	GFAA ANALYT SPIKE
ALUMINUM																					
ANTIMONY																	>2xCRQL				
ARSENIC				8.3		1,158		68.9													
BARIUM																					
BERYLLIUM																					
CADMIUM																					
CALCIUM																					
CHROMIUM									36.5												
COBALT																					
COPPER								-57.0									35.1				
IRON																					
LEAD																	70				
MAGNESIUM																					
MANGANESE																					
MERCURY			*0.144					173.8									54.6				
NICKEL																					
POTASSIUM												~~20.8~~ NM	20.8								
SELENIUM			5.0	2.6/2.1		0.6	-8 NM														
SILVER								67.7													
SODIUM																					
THALLIUM				-6.0																	
TIN																					
VANADIUM																					
ZINC																					
CYANIDE																					

RUN1 D8,D9,P0,P1,P2 | RUN2 DN7

*ONLY ONE HG RUN

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

Case No:	32243
DAS No:	
SDG No:	ME2DN7

L

Date Shipped:	10/9/2003
Carrier Name:	FedEx
Airbill:	841513028947
Shipped to:	ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 K. Kuehn	10/9/03 1200		
2 FedEx	10/10/03 9:29	Sunny Patel	10/10/03 9:29
3			
4			

For Lab Use Only

Lab Contract No:	68W00089
Unit Price:	$ 119.00
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
ME2DN7	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216402 (Ice Only) (1)	SS01	S: 10/7/2003	8:45	E2DN7	
ME2DN8	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216412 (Ice Only) (1)	SS02	S: 10/7/2003	9:55	E2DN8	
ME2DN9	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216420 (Ice Only) (1)	SS02D	S: 10/7/2003	9:55	E2DN9	
ME2DP0	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216428 (Ice Only) (1)	SS03	S: 10/7/2003	10:15	E2DP0	
ME2DP1	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216435 (Ice Only) (1)	SS04	S: 10/7/2003	11:50	E2DP1	
ME2DP2	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216445 (Ice Only) (1)	SS01	S: 10/7/2003	15:30	E2DP2	
ME2DP3	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216452 (Ice Only) (1)	SS02	S: 10/7/2003	16:10	E2DP3	
ME2DP4	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216459 (Ice Only) (1)	SS01	S: 10/8/2003	8:45	E2DP4	
ME2DP5	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216466 (Ice Only) (1)	SS02	S: 10/8/2003	10:15	E2DP5	
ME2DP6	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216473 (Ice Only) (1)	SS03	S: 10/8/2003	11:00	E2DP6	

00271

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: ME2DN7, ME2DQ0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt 4°c	Chain of Custody Seal Number: 83054, 83055
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? yes Shipment Iced? yes

TR Number: 5-515281857-100903-0003

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
Inorganic Traffic Report & Chain of Custody Record

Case No: 32243
DAS No:
SDG No: ME2DN7

L

Date Shipped:	10/9/2003
Carrier Name:	FedEx
Airbill:	841513028947
Shipped to:	ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 K. Kuchner	10/9/03 1200		
2 FedEx	10/10/03 9:29	Sunny Patel	10/10/03 9:29
3			
4			

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No: 68W0088
Unit Price: $119.00
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
ME2DP7	Ground Water/ Chad Gibson	M/G	TM (7)	5216481 (HNO3) (1)	GW06	S: 10/8/2003	10:25	E2DP7	
ME2DP8	Ground Water/ Chad Gibson	M/G	TM (7)	5216490 (HNO3) (1)	GW06D	S: 10/8/2003	10:25	E2DP8	
ME2DQ0	Ground Water/ Chad Gibson	M/G	TM (7)	5216497 (HNO3), 5216498 (HNO3), 5216499 (HNO3) (3)	GW07	S: 10/8/2003	11:15	E2DQ0	
ME2DQ1	Ground Water/ Chad Gibson	M/G	TM (7)	5216518 (HNO3) (1)	GW08	S: 10/8/2003	11:50	E2DQ1	
ME2DQ2	Ground Water/ Chad Gibson	M/G	TM (7)	5216525 (HNO3) (1)	GW09	S: 10/8/2003	12:30	E2DQ2	
ME2DQ3	Ground Water/ Chad Gibson	M/G	TM (7)	5216532 (HNO3) (1)	GW010	S: 10/8/2003	14:00	E2DQ3	
ME2DQ4	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216541 (Ice Only) (1)	SS01	S: 10/8/2003	15:40	E2DQ4	
ME2DQ5	Ground Water/ Chad Gibson	M/G	TM (7)	5216548 (HNO3) (1)	GW02	S: 10/8/2003	14:30	E2DQ5	
ME2DQ9	Ground Water/ Chad Gibson	M/G	TM (7)	5216559 (HNO3) (1)	GW01	S: 10/8/2003	17:15	E2DQ9	
ME2DR0	Field QC/ Chad Gibson	L/G	TM (7)	5216564 (HNO3) (1)	ER 1	S: 10/8/2003	17:10	E2DR0	

Copy
Original Documents are included in CSF ME2DP7
Sunny Patel
Signature
10/10/03
Date

000272

All Water Samples is in SDG # ME2DP7

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: ME2DN7, ME2DQ0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt 4°C	Chain of Custody Seal Number: 83054, 83055
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Yes Shipment Iced? Yes

TR Number: 5-515281857-100903-0003

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

CHEMTECH

SDG NARRATIVE

USEPA
SDG # ME2DN7
CASE # 32243
CONTRACT # 68-W0-0088
LAB CODE: CHEMED
CHEMTECH PROJECT #R4609

A. Number of Samples and Date of Receipt

11 Soil Samples were delivered to the laboratory on 10/10/03.

B. Parameters

Test requested for Total Metals only.

C. Cooler Temp
Indicator Bottle: **Presence**/Absence
Cooler Temp: 4°C

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

E. Corrective Action taken for above:

G. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate the presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirement except for Few Elements. Duplicate sample did met requirements except for Barium and Chromium. Serial Dilution did met requirements except for the Potassium.

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 10/17/03 Title: QA/QC

OCT 2 0 2003

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

SOW No.: ILM04.1

EPA SAMPLE NO.	Lab Sample ID.
ME2DN7	R4609-01
ME2DN7D	R4609-02
ME2DN7S	R4609-03
ME2DN8	R4609-04
ME2DN9	R4609-05
ME2DP0	R4609-06
ME2DP1	R4609-07
ME2DP2	R4609-08
ME2DP3	R4609-09
ME2DP4	R4609-10
ME2DP5	R4609-11
ME2DP6	R4609-12
ME2DQ4	R4609-13

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

Comments:
The "E" qualifiers on Form I and IX for Potassium 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 has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mildred V. Reyes Name: MILDRED V. REYES

Date: 10/17/03 Title: QA/QC DIRECTOR

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DN7

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-WC-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-01

Level (low/med): LOW Date Received: 10/10/03

% Solids: 86.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2700			P
7440-36-0	Antimony	2.4	B		P
7440-38-2	Arsenic	6.8		N	P
7440-39-3	Barium	6760		*	P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	9.1			P
7440-70-2	Calcium	11500			P
7440-47-3	Chromium	19.9		*	P
7440-48-4	Cobalt	13.8			P
7440-50-8	Copper	228		N	P
7439-89-6	Iron	13400			P
7439-92-1	Lead	360			P
7439-95-4	Magnesium	1880			P
7439-96-5	Manganese	109			P
7439-97-6	Mercury	1.9		N	CV
7440-02-0	Nickel	56.8			P
7440-09-7	Potassium	438	B	E	P
7782-49-2	Selenium	0.68	B		P
7440-22-4	Silver	0.35	U	N	P
7440-23-5	Sodium	453	B		P
7440-28-0	Thallium	1.0	B		P
7440-62-2	Vanadium	66.9			P
7440-66-6	Zinc	686			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DN8

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-04

Level (low/med): LOW Date Received: 10/10/03

% Solids: 75.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3200			P
7440-36-0	Antimony	88.0			P
7440-38-2	Arsenic	7.0		N	P
7440-39-3	Barium	394		*	P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	3.0			P
7440-70-2	Calcium	23800			P
7440-47-3	Chromium	22.8		*	P
7440-48-4	Cobalt	5.8	B		P
7440-50-8	Copper	254		N	P
7439-89-6	Iron	25100			P
7439-92-1	Lead	3070			P
7439-95-4	Magnesium	2780			P
7439-96-5	Manganese	291			P
7439-97-6	Mercury	1.1		N	CV
7440-02-0	Nickel	39.1			P
7440-09-7	Potassium	555	B	E	P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	2.9		N	P
7440-23-5	Sodium	258	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	13.7			P
7440-66-6	Zinc	609			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MEIDN9

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: MEIDN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-05

Level (low/med): LOW Date Received: 10/10/03

% Solids: 76.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4000			P
7440-36-0	Antimony	18.8			P
7440-38-2	Arsenic	6.4		N	P
7440-39-3	Barium	419		*	P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	31800			P
7440-47-3	Chromium	26.7		*	P
7440-48-4	Cobalt	5.9	B		P
7440-50-8	Copper	363		N	P
7439-89-6	Iron	19500			P
7439-92-1	Lead	1480			P
7439-95-4	Magnesium	3710			P
7439-96-5	Manganese	273			P
7439-97-6	Mercury	1.9		N	CV
7440-02-0	Nickel	31.3			P
7440-09-7	Potassium	868	B	E	P
7782-49-2	Selenium	0.87	B		P
7440-22-4	Silver	0.51	B	N	P
7440-23-5	Sodium	294	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	15.2			P
7440-66-6	Zinc	546			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

FORM I - IN ILM04.1

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP0

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-06

Level (low/med): LOW Date Received: 10/10/03

% Solids: 76.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8290			P
7440-36-0	Antimony	3.2	B		P
7440-38-2	Arsenic	5.3		N	P
7440-39-3	Barium	1110		*	P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	9.4			P
7440-70-2	Calcium	17900			P
7440-47-3	Chromium	60.9		*	P
7440-48-4	Cobalt	6.9	B		P
7440-50-8	Copper	180		N	P
7439-89-6	Iron	13400			P
7439-92-1	Lead	450			P
7439-95-4	Magnesium	2180			P
7439-96-5	Manganese	170			P
7439-97-6	Mercury	1.6		N	CV
7440-02-0	Nickel	27.2			P
7440-09-7	Potassium	644	B	E	P
7782-49-2	Selenium	0.88	B		P
7440-22-4	Silver	0.38	U	N	P
7440-23-5	Sodium	424	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	32.3			P
7440-66-6	Zinc	606			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP1

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-07

Level (low/med): LOW Date Received: 10/10/03

% Solids: 81.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3480			P
7440-36-0	Antimony	18.2			P
7440-38-2	Arsenic	4.2		N	P
7440-39-3	Barium	229		*	P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	2.9			P
7440-70-2	Calcium	17400			P
7440-47-3	Chromium	10.5		*	P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	45.1		N	P
7439-89-6	Iron	10400			P
7439-92-1	Lead	4080			P
7439-95-4	Magnesium	4270			P
7439-96-5	Manganese	167			P
7439-97-6	Mercury	0.52		N	CV
7440-02-0	Nickel	29.4			P
7440-09-7	Potassium	704	B	E	P
7782-49-2	Selenium	0.60	B		P
7440-22-4	Silver	0.36	U	N	P
7440-23-5	Sodium	219	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	66.1			P
7440-66-6	Zinc	433			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

FORM I - IN ILM04.1

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP2

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-08

Level (low/med): LOW Date Received: 10/10/03

% Solids: 81.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3740			P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	5.7		N	P
7440-39-3	Barium	113		*	P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	1.7			P
7440-70-2	Calcium	75200			P
7440-47-3	Chromium	29.3		*	P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	64.0		N	P
7439-89-6	Iron	35600			P
7439-92-1	Lead	366			P
7439-95-4	Magnesium	4870			P
7439-96-5	Manganese	572			P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	30.6			P
7440-09-7	Potassium	872	B	E	P
7782-49-2	Selenium	0.47	U		P
7440-22-4	Silver	0.37	U	N	P
7440-23-5	Sodium	229	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	12.5			P
7440-66-6	Zinc	438			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP3

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-09

Level (low/med):LOW Date Received: 10/10/03

% Solids: 79.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4760			P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	4.0		N	P
7440-39-3	Barium	176		*	P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	0.40	B		P
7440-70-2	Calcium	69400			P
7440-47-3	Chromium	11.7		*	P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	27.7		N	P
7439-89-6	Iron	11600			P
7439-92-1	Lead	179			P
7439-95-4	Magnesium	8580			P
7439-96-5	Manganese	289			P
7439-97-6	Mercury	0.28		N	CV
7440-02-0	Nickel	14.4			P
7440-09-7	Potassium	898	B	E	P
7782-49-2	Selenium	0.95	B		P
7440-22-4	Silver	0.38	U	N	P
7440-23-5	Sodium	138	U		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	16.3			P
7440-66-6	Zinc	184			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP4

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-10

Level (low/med): LOW Date Received: 10/10/03

% Solids: 83.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5040			P
7440-36-0	Antimony	8.5	B		P
7440-38-2	Arsenic	23.1		N	P
7440-39-3	Barium	327		*	P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	3.1			P
7440-70-2	Calcium	53300			P
7440-47-3	Chromium	74.2		*	P
7440-48-4	Cobalt	9.5	B		P
7440-50-8	Copper	414		N	P
7439-89-6	Iron	35300			P
7439-92-1	Lead	822			P
7439-95-4	Magnesium	3930			P
7439-96-5	Manganese	2120			P
7439-97-6	Mercury	0.28		N	CV
7440-02-0	Nickel	41.3			P
7440-09-7	Potassium	747	B	E	P
7782-49-2	Selenium	0.90	B		P
7440-22-4	Silver	2.2	B	N	P
7440-23-5	Sodium	205	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	50.0			P
7440-66-6	Zinc	934			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP5

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-11

Level (low/med): LOW Date Received: 10/10/03

% Solids: 81.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4160			P
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	6.4		N	P
7440-39-3	Barium	941		*	P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	0.12	U		P
7440-70-2	Calcium	18900			P
7440-47-3	Chromium	9.6		*	P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	29.5		N	P
7439-89-6	Iron	11800			P
7439-92-1	Lead	67.6			P
7439-95-4	Magnesium	4060			P
7439-96-5	Manganese	193			P
7439-97-6	Mercury	0.10	B	N	CV
7440-02-0	Nickel	16.1			P
7440-09-7	Potassium	911	B	E	P
7782-49-2	Selenium	0.66	B		P
7440-22-4	Silver	0.36	U	N	P
7440-23-5	Sodium	132	U		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	14.5			P
7440-66-6	Zinc	114			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP6

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-12

Level (low/med):LOW Date Received: 10/10/03

% Solids: 80.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3770			P
7440-36-0	Antimony	4.3	B		P
7440-38-2	Arsenic	8.2		N	P
7440-39-3	Barium	171		*	P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	2.4			P
7440-70-2	Calcium	56300			P
7440-47-3	Chromium	22.8		*	P
7440-48-4	Cobalt	6.2	B		P
7440-50-8	Copper	102		N	P
7439-89-6	Iron	34400			P
7439-92-1	Lead	427			P
7439-95-4	Magnesium	5920			P
7439-96-5	Manganese	354			P
7439-97-6	Mercury	2.5		N	CV
7440-02-0	Nickel	27.7			P
7440-09-7	Potassium	769	B	E	P
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.36	U	N	P
7440-23-5	Sodium	196	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.8			P
7440-66-6	Zinc	955			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DQ4

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Matrix (soil/water): SOIL Lab Sample ID: R4609-13

Level (low/med):LOW Date Received: 10/10/03

% Solids: 74.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1980			P
7440-36-0	Antimony	2.6	B		P
7440-38-2	Arsenic	1.8	B	N	P
7440-39-3	Barium	2230		*	P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.13	U		P
7440-70-2	Calcium	27200			P
7440-47-3	Chromium	46.0		*	P
7440-48-4	Cobalt	5.8	B		P
7440-50-8	Copper	64.0		N	P
7439-89-6	Iron	163000			P
7439-92-1	Lead	58.5			P
7439-95-4	Magnesium	1940			P
7439-96-5	Manganese	236			P
7439-97-6	Mercury	0.18		N	CV
7440-02-0	Nickel	23.2			P
7440-09-7	Potassium	448	B	E	P
7782-49-2	Selenium	1.3	B		P
7440-22-4	Silver	0.40	U	N	P
7440-23-5	Sodium	148	U		P
7440-28-0	Thallium	1.2	B		P
7440-62-2	Vanadium	11.4	B		P
7440-66-6	Zinc	349			P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

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3
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	19.0	U	19.0	U	22.4	B	19.0	U	3.800	U	P
Antimony	7.2	U	7.2	U	7.2	U	7.2	U	1.440	U	P
Arsenic	4.4	U	4.4	U	4.4	U	4.4	U	1.158	B	P
Barium	1.3	U	1.3	B	1.3	U	1.3	U	0.260	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.020	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.100	U	P
Calcium	47.1	U	47.1	U	47.1	U	47.1	U	9.420	U	P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	0.220	U	P
Cobalt	1.4	U	1.4	U	1.4	U	1.4	U	0.280	U	P
Copper	1.2	U	1.2	U	1.2	U	1.2	U	0.240	U	P
Iron	23.1	U	23.1	U	23.1	U	23.1	U	4.620	U	P
Lead	2.6	U	3.0	B	2.6	U	2.6	U	0.520	U	P
Magnesium	19.2	U	19.2	U	19.2	U	19.2	U	3.840	U	P
Manganese	0.3	U	0.3	U	0.3	B	0.3	U	0.060	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel	1.8	U	1.8	U	1.8	U	1.8	U	0.360	U	P
Potassium	25.3	U	25.3	U	25.3	U	25.3	U	5.060	U	P
Selenium	1.9	U	5.0	B	4.1	B	1.9	U	0.600	B	P
Silver	1.5	U	1.5	U	1.5	U	1.5	U	0.300	U	P
Sodium	547.0	U	547.0	U	547.0	U	547.0	U	109.400	U	P
Thallium	4.2	U	4.2	U	4.2	U	4.2	U	0.840	U	P
Vanadium	1.6	U	1.6	U	1.6	U	1.6	U	0.320	U	P
Zinc	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cyanide											NR

3
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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			19.0	U	19.0	U	19.0	U			P
Antimony			7.2	U	7.2	U	7.2	U			P
Arsenic			4.4	U	4.4	U	4.4	U			P
Barium			1.3	U	1.3	U	1.3	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.5	U	0.5	U	0.5	U			P
Calcium			47.1	U	47.1	U	47.1	U			P
Chromium			1.1	U	1.1	U	1.1	U			P
Cobalt			1.4	U	1.4	U	1.4	U			P
Copper			1.2	U	1.2	U	1.2	U			P
Iron			23.1	U	23.1	U	23.1	U			P
Lead			2.6	B	2.6	U	2.6	U			P
Magnesium			19.2	U	19.2	U	19.2	U			P
Manganese			0.5	B	0.3	U	0.3	U			P
Mercury			0.1	U	0.1	U	0.1	B			CV
Nickel			1.8	U	1.8	U	1.8	U			P
Potassium			25.3	U	25.3	U	25.3	U			P
Selenium			1.9	U	1.9	U	2.3	B			P
Silver			1.5	U	1.5	U	1.5	U			P
Sodium			547.0	U	547.0	U	547.0	U			P
Thallium			4.2	U	4.2	U	4.2	U			P
Vanadium			1.6	U	1.6	U	1.6	U			P
Zinc			1.0	U	1.0	U	1.0	U			P
Cyanide											NR

3
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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			19.0	U	19.0	U	19.0	U			P
Antimony			7.2	U	7.2	U	7.2	U			P
Arsenic			4.4	U	4.4	U	4.4	U			P
Barium			1.3	U	1.3	U	1.3	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.5	U	0.5	U	0.5	U			P
Calcium			47.1	U	47.1	U	47.1	U			P
Chromium			1.1	U	1.1	U	1.1	U			P
Cobalt			1.4	U	1.4	U	1.4	U			P
Copper			1.2	U	1.7	B	1.9	B			P
Iron			23.1	U	23.1	U	23.1	U			P
Lead			2.8	B	2.6	U	2.6	U			P
Magnesium			19.2	U	19.2	U	19.2	U			P
Manganese			0.3	U	0.3	U	0.3	U			P
Mercury											NR
Nickel			1.8	U	1.8	U	1.8	U			P
Potassium			25.3	U	25.3	U	25.3	U			P
Selenium			2.4	B	2.7	B	2.6	B			P
Silver			1.5	U	1.5	U	1.5	U			P
Sodium			547.0	U	547.0	U	547.0	U			P
Thallium			4.2	U	4.2	U	4.2	U			P
Vanadium			1.6	U	1.6	U	1.6	U			P
Zinc			1.0	U	1.0	U	1.0	U			P
Cyanide											NR

3
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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	19.0	U	19.0	U	19.0	U	26.1	B			P
Antimony	7.2	U	7.2	U	7.2	U	7.2	U			P
Arsenic	5.5	B	4.4	U	8.3	B	4.4	U			P
Barium	1.3	U	1.3	U	1.3	U	-1.4	B			P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U			P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U			P
Calcium	47.1	U	47.1	U	47.1	U	47.1	U			P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U			P
Cobalt	1.4	U	1.4	U	1.4	U	1.4	U			P
Copper	1.2	U	1.2	U	1.3	B	1.2	U			P
Iron	23.1	U	23.1	U	23.1	U	23.1	U			P
Lead	2.6	U	2.6	U	2.6	U	2.6	U			P
Magnesium	19.2	U	21.2	B	19.2	U	24.9	B			P
Manganese	0.3	U	0.3	U	0.3	U	0.3	U			P
Mercury											NR
Nickel	1.8	U	1.8	U	1.8	U	1.8	U			P
Potassium	25.3	U	25.3	U	25.3	U	-27.5	B			P
Selenium	1.9	U	1.9	U	2.6	B	-2.1	B			P
Silver	1.5	U	1.5	U	1.5	U	1.5	U			P
Sodium	547.0	U	547.0	U	547.0	U	547.0	U			P
Thallium	4.2	U	4.2	U	4.2	U	4.2	U			P
Vanadium	1.6	U	1.6	U	1.6	U	1.6	U			P
Zinc	1.0	U	1.0	U	1.0	U	1.0	U			P
Cyanide											NR

3
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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			19.0	U	26.6	B					P
Antimony			7.2	U	7.2	U					P
Arsenic			4.4	U	4.4	U					P
Barium			-1.6	B	1.3	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.5	U	0.5	U					P
Calcium			47.1	U	47.1	U					P
Chromium			1.1	U	1.1	U					P
Cobalt			1.4	U	1.4	U					P
Copper			1.2	U	1.2	U					P
Iron			23.1	U	23.1	U					P
Lead			2.6	U	2.6	U					P
Magnesium			19.2	U	26.0	B					P
Manganese			0.6	B	0.3	U					P
Mercury											NR
Nickel			1.8	U	1.8	U					P
Potassium			-25.5	B	-30.3	B					P
Selenium			1.9	U	1.9	U					P
Silver			1.5	U	1.5	U					P
Sodium			547.0	U	547.0	U					P
Thallium			4.2	U	-6.0	B					P
Vanadium			1.6	U	1.6	U					P
Zinc			1.0	U	1.0	U					P
Cyanide											NR

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

ICP ID Number: P2 ICS Source: CHEM

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	519000	514000	454807	465849.5	90.6	453426	446161.4	86.8
Antimony	0	518	13	526.7	101.7	0	505.6	97.6
Arsenic	0	102	-2	90.6	88.8	1	82.8	81.2
Barium	0	456	4	477.8	104.8	4	461.1	101.1
Beryllium	0	458	1	421.9	92.1	1	406.8	88.8
Cadmium	0	910	-1	854.6	93.9	-1	826.0	90.8
Calcium	491900	489000	426572	433631.7	88.7	426059	420879.3	86.1
Chromium	20	455	19	423.0	93.0	19	407.5	89.6
Cobalt	0	430	3	413.4	96.1	2	398.8	92.7
Copper	0	506	2	438.5	86.7	2	420.8	83.2
Iron	195000	194600	171224	175212.4	90.0	171358	168656.0	86.7
Lead	0	49	5	50.7	103.5	5	47.2	96.3
Magnesium	542000	540600	481786	490938.9	90.8	480327	473888.3	87.7
Manganese	0	438	8	439.8	100.4	9	423.3	96.6
Mercury								
Nickel	0	846	6	807.4	95.4	5	782.1	92.4
Potassium	0	0	53	48.3		55	30.7	
Selenium	0	47	-1	42.7	90.9	-6	40.1	85.3
Silver	0	196	0	194.0	99.0	0	186.3	95.1
Sodium	0	0	-140	-41.4		-123	-120.9	
Thallium	0	89	-4	92.1	103.5	-7	80.7	90.7
Vanadium	0	452	-6	427.1	94.5	-6	412.0	91.2
Zinc	0	958	-13	815.3	85.1	-14	786.2	82.1

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

ICP ID Number: P2 ICS Source: CHEM

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	519000	514000				442219	435662.6	84.8
Antimony	0	518				-4	513.0	99.0
Arsenic	0	102				0	84.0	82.4
Barium	0	456				5	457.3	100.3
Beryllium	0	458				1	404.4	88.3
Cadmium	0	910				-1	824.9	90.6
Calcium	491900	489000				428063	424772.9	86.9
Chromium	20	455				18	399.4	87.8
Cobalt	0	430				2	394.6	91.8
Copper	0	506				-14	410.2	81.1
Iron	195000	194600				166972	164782.4	84.7
Lead	0	49				3	48.2	98.4
Magnesium	542000	540600				482946	478903.9	88.6
Manganese	0	438				9	415.1	94.8
Mercury								
Nickel	0	846				5	777.2	91.9
Potassium	0	0				63	36.3	
Selenium	0	47				-8	39.6	84.3
Silver	0	196				-1	184.3	94.0
Sodium	0	0				-265	86.2	
Thallium	0	89				-11	79.4	89.2
Vanadium	0	452				-6	408.0	90.3
Zinc	0	958				-13	769.3	80.3

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

ICP ID Number: P2 ICS Source: CHEM

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	519000	514000				475102	451859.0	87.9
Antimony	0	518				-1	505.5	97.6
Arsenic	0	102				-2	84.9	83.2
Barium	0	456				3	461.1	101.1
Beryllium	0	458				0	405.8	88.6
Cadmium	0	910				-3	820.7	90.2
Calcium	491900	489000				465228	416608.4	85.2
Chromium	20	455				19	408.8	89.8
Cobalt	0	430				1	398.4	92.7
Copper	0	506				4	427.2	84.4
Iron	195000	194600				179297	170451.4	87.6
Lead	0	49				0	49.8	101.6
Magnesium	542000	540600				526388	469362.2	86.8
Manganese	0	438				8	425.5	97.1
Mercury								
Nickel	0	846				3	778.7	92.0
Potassium	0	0				19	43.0	
Selenium	0	47				-8	39.1	83.2
Silver	0	196				-1	186.0	94.9
Sodium	0	0				-88	25.1	
Thallium	0	89				-10	78.5	88.2
Vanadium	0	452				-7	411.8	91.1
Zinc	0	958				-18	790.6	82.5

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

ICP ID Number: P2 ICS Source: CHEM

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	519000	514000				490292	487851.5	94.9
Antimony	0	518				2	543.1	104.8
Arsenic	0	102				-3	86.8	85.1
Barium	0	456				3	504.2	110.6
Beryllium	0	458				0	443.9	96.9
Cadmium	0	910				-4	891.6	98.0
Calcium	491900	489000				453919	450950.7	92.2
Chromium	20	455				20	443.7	97.5
Cobalt	0	430				2	433.3	100.8
Copper	0	506				4	465.9	92.1
Iron	195000	194600				185374	183912.2	94.5
Lead	0	49				5	48.6	99.2
Magnesium	542000	540600				518082	513513.9	95.0
Manganese	0	438				8	461.4	105.3
Mercury								
Nickel	0	846				4	847.5	100.2
Potassium	0	0				20	10.3	
Selenium	0	47				-2	45.6	97.0
Silver	0	196				-1	200.5	102.3
Sodium	0	0				-12	71.7	
Thallium	0	89				-5	88.4	99.3
Vanadium	0	452				-7	448.1	99.1
Zinc	0	958				-18	855.2	89.3

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2DN7S

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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

% Solids for Sample: 86.5

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	102.6231		2.3792	B	115.61	86.7		P
Arsenic	75-125	13.1988		6.8277		9.25	68.9	N	P
Barium		5630.0659		6757.4832		462.43	-243.8		P
Beryllium	75-125	11.1480		0.2936	B	11.56	93.9		P
Cadmium	75-125	19.0925		9.0925		11.56	86.5		P
Calcium									NR
Chromium	75-125	55.6116		19.8601		46.24	77.3		P
Cobalt	75-125	125.4717		13.7931		115.61	96.6		P
Copper	75-125	194.7711		227.7052		57.80	-57.0	N	P
Iron									NR
Lead		349.0867		359.6139		4.62	-227.9		P
Magnesium									NR
Manganese	75-125	242.3815		109.0659		115.61	115.3		P
Mercury	75-125	2.9012		1.8931		0.58	173.8	N	CV
Nickel	75-125	161.9480		56.8486		115.61	90.9		P
Potassium									NR
Selenium	75-125	2.7283		0.6775	B	2.31	88.8		P
Silver	75-125	7.8220		0.3468	U	11.56	67.7	N	P
Sodium									NR
Thallium	75-125	11.5526		1.0139	B	11.56	91.2		P
Vanadium	75-125	171.2578		66.9110		115.61	90.3		P
Zinc		642.5942		686.3445		115.61	-37.8		P
Cyanide									NR

Comments:

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5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2DN7A

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic		89.04		29.53		60.0	99.2		P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper		2880.54		984.82		2000.0	94.8		P
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

6
DUPLICATES

EPA SAMPLE NO.

ME2DN7D

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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

% Solids for Sample: 86.5 % Solids for Duplicate: 86.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		2704.0879		2539.4636		6.3		P
Antimony		2.3792	B	1.8902	B	22.9		P
Arsenic	2.3	6.8277		6.0428		12.2		P
Barium		6757.4832		5494.1052		20.6	*	P
Beryllium		0.2936	B	0.2786	B	5.2		P
Cadmium		9.0925		8.8798		2.4		P
Calcium		11521.2405		14113.0543		20.2		P
Chromium		19.8601		13.7249		36.5	*	P
Cobalt	11.6	13.7931		12.5711		9.3		P
Copper		227.7052		210.9457		7.6		P
Iron		13444.2382		13978.5457		3.9		P
Lead		359.6139		413.1803		13.9		P
Magnesium	1156.1	1878.3468		2488.9295		28.0		P
Manganese		109.0659		130.1699		17.6		P
Mercury		1.8931		1.8977		0.2		CV
Nickel		56.8486		62.2254		9.0		P
Potassium		438.0809	B	403.3364	B	8.3		P
Selenium		0.6775	B	0.6150	B	9.7		P
Silver		0.3468	U	0.3468	U			P
Sodium		453.0913	B	324.3699	B	33.1		P
Thallium		1.0139	B	0.9711	U	200.0		P
Vanadium		66.9110		65.4590		2.2		P
Zinc		686.3445		777.6902		12.5		P
Cyanide								NR

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

ME2DN7L

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	11695.18		11640.08		0.5		P
Antimony	10.29	B	36.00	U	100.0		P
Arsenic	29.53		41.42	B	40.3		P
Barium	29226.12		30039.98		2.8		P
Beryllium	1.27	B	1.30	B	2.4		P
Cadmium	39.32		39.65		0.8		P
Calcium	49829.37		49895.95		0.1		P
Chromium	85.90		85.52		0.4		P
Cobalt	59.66		61.00	B	2.2		P
Copper	984.82		966.05		1.9		P
Iron	58146.33		57397.18		1.3		P
Lead	1555.33		1539.72		1.0		P
Magnesium	8123.85		8136.50	B	0.2		P
Manganese	471.71		465.02		1.4		P
Mercury							NR
Nickel	245.87		242.25		1.5		P
Potassium	1894.70	B	1500.03	B	20.8	E	P
Selenium	2.93	B	18.55	B	533.1		P
Silver	1.50	U	7.50	U			P
Sodium	1959.62	B	2735.00	U	100.0		P
Thallium	4.39	B	21.00	U	100.0		P
Vanadium	289.39		278.22		3.9		P
Zinc	2968.44		2910.92		1.9		P

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

ICP ID Number: Date: 10/05/03

Flame AA ID Number: CV

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:
CV: LEEMAN PS200 HG ANALYZER
LEEMAN HG ANALYZER

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

ICP ID Number: P2 Date: 09/09/03

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	19.0	P
Antimony	206.80		60	7.2	P
Arsenic	189.00		10	4.4	P
Barium	493.40		200	1.3	P
Beryllium	313.00		5	0.1	P
Cadmium	226.50		5	0.5	P
Calcium	317.90		5000	47.1	P
Chromium	267.70		10	1.1	P
Cobalt	228.60		50	1.4	P
Copper	324.70		25	1.2	P
Iron	271.40		100	23.1	P
Lead	220.40		3	2.6	P
Magnesium	279.00		5000	19.2	P
Manganese	257.60		15	0.3	P
Mercury			0.2		NR
Nickel	231.60		40	1.8	P
Potassium	766.50		5000	25.3	P
Selenium	196.00		5	1.9	P
Silver	328.00		10	1.5	P
Sodium	588.90		5000	547.0	P
Thallium	190.90		10	4.2	P
Vanadium	292.40		50	1.6	P
Zinc	206.20		20	1.0	P
Cyanide			10		NR

Comments:
P2: ICP 61E TRACE ANALYZER

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PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	10/14/03	0.20	100
ME2DN7	10/14/03	0.20	100
ME2DN7D	10/14/03	0.20	100
ME2DN7S	10/14/03	0.20	100
ME2DN8	10/14/03	0.22	100
ME2DN9	10/14/03	0.21	100
ME2DP0	10/14/03	0.22	100
ME2DP1	10/14/03	0.21	100
ME2DP2	10/14/03	0.22	100
ME2DP3	10/14/03	0.21	100
ME2DP4	10/14/03	0.22	100
ME2DP5	10/14/03	0.21	100
ME2DP6	10/14/03	0.22	100
ME2DQ4	10/14/03	0.21	100
PBS	10/14/03	0.20	100

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PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	10/14/03	1.00	200
ME2DN7	10/14/03	1.00	200
ME2DN7D	10/14/03	1.00	200
ME2DN7S	10/14/03	1.00	200
ME2DN8	10/14/03	1.00	200
ME2DN9	10/14/03	1.01	200
ME2DP0	10/14/03	1.02	200
ME2DP1	10/14/03	1.01	200
ME2DP2	10/14/03	1.00	200
ME2DP3	10/14/03	1.00	200
ME2DP4	10/14/03	1.00	200
ME2DP5	10/14/03	1.02	200
ME2DP6	10/14/03	1.03	200
ME2DQ4	10/14/03	1.00	200
PBS	10/14/03	1.00	200

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Instrument ID Number: P2 Method: P

Start date: 10/14/03 End date: 10/14/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1155		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.00	1157		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICV	1.00	1203		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB	1.00	1206		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CRI	1.00	1209		_	X	X	_	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICSA	1.00	1211		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1213		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1215		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1217		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1220		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1222		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1224		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1230		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1233		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	1236		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1240		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1242		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1246		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1249		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1251		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1253		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	1256		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1301		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1306		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1308		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1311		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1313		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1315		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CRI	1.00	1318		_	X	X	_	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICSA	1.00	1324		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1329		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1331		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1333		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Instrument ID Number: P2 Method: P

Start date: 10/14/03 End date: 10/14/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1336																									
ZZZZZZ	1.00	1338																									
ZZZZZZ	1.00	1340																									
ZZZZZZ	1.00	1342																									
ZZZZZZ	1.00	1344																									
ZZZZZZ	1.00	1346																									
ZZZZZZ	1.00	1349																									
ZZZZZZ	1.00	1351																									
ZZZZZZ	1.00	1353																									
ZZZZZZ	1.00	1355																									
CCV	1.00	1357		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1359		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1402																									
ZZZZZZ	1.00	1404																									
ZZZZZZ	1.00	1407																									
ZZZZZZ	1.00	1409																									
ZZZZZZ	1.00	1417																									
ZZZZZZ	1.00	1420																									
ZZZZZZ	1.00	1422																									
CRI	1.00	1425			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1430		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1454		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1456		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1458		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1502																									
ZZZZZZ	1.00	1510																									
ZZZZZZ	2.00	1513																									
ZZZZZZ	1.00	1523																									
ZZZZZZ	1.00	1525																									
ZZZZZZ	1.00	1527																									
ZZZZZZ	1.00	1529																									
ZZZZZZ	1.00	1532																									
ZZZZZZ	1.00	1534																									

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Instrument ID Number: P2 Method: P

Start date: 10/14/03 End date: 10/14/03

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1536		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1538		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	1540		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ZZZZZZ	1.00	1545		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1547		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1549		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1553		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1555		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1557		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1600		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRI	1.00	1602		-	X	X	-	X	X	-	X	X	X	-	X	-	X	-	X	-	X	X	-	X	X	X	-
ICSA	1.00	1606		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ICSAB	1.00	1617		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCV	1.00	1619		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	1621		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ZZZZZZ	1.00	1626		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	5.00	1628		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1630		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1632		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1634		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1636		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1638		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1644		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ME2DN8	1.00	1646		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ME2DN9	1.00	1649		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCV	1.00	1651		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
CCB	1.00	1653		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ME2DP0	1.00	1658		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ME2DP1	1.00	1700		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ME2DP2	1.00	1702		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ME2DP3	1.00	1704		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ME2DP4	1.00	1706		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-
ME2DP5	1.00	1708		X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	-

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Instrument ID Number: P2 Method: P

Start date: 10/14/03 End date: 10/14/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ME2DP6	1.00	1710		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CRI	1.00	1712		_	X	X	_	X	X	_	X	X	X	_	X	_	X	_	X	_	X	X	_	X	X	X	_
ICSA	1.00	1714		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	1720		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1722		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	1724		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Instrument ID Number: P2 Method: P

Start date: 10/15/03 End date: 10/15/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1043		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1047		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1050		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.00	1053		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1106			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1116		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1119		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1121		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1123		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBS	1.00	1126		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS	1.00	1129		X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS	2.00	1133								X																	
ME2DN7	1.00	1135		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ME2DN7D	1.00	1138		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ME2DN7S	1.00	1140			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ME2DN7L	5.00	1145		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ME2DQ4	1.00	1155		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ME2DN7A	1.00	1157				X							X														
ZZZZZZ	1.00	1202																									
CCV	1.00	1204		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1206		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1220																									
ZZZZZZ	1.00	1231																									
ZZZZZZ	1.00	1234																									
ZZZZZZ	1.00	1237																									
ZZZZZZ	1.00	1240																									
ZZZZZZ	1.00	1242																									
ZZZZZZ	5.00	1246																									
CRI	1.00	1249			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1253		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1258		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1302		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Instrument ID Number: P2 Method: P

Start date: 10/15/03 End date: 10/15/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1306																									
ZZZZZZ	1.00	1309																									
ZZZZZZ	1.00	1311																									
ZZZZZZ	1.00	1314																									
ZZZZZZ	1.00	1316																									
ZZZZZZ	1.00	1320																									
ZZZZZZ	1.00	1322																									
ZZZZZZ	20.00	1331																									
CCV	1.00	1333		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1335		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1340			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1345		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1349		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1351		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1353		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DN7

Instrument ID Number: CV Method: CV

Start date: 10/15/03 End date: 10/15/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1320																X									
S0.2	1.00	1322																X									
S1.0	1.00	1325																X									
S2.5	1.00	1328																X									
S5.0	1.00	1331																X									
S10.0	1.00	1333																X									
ICV	1.00	1337																X									
ICB	1.00	1339																X									
CRA	1.00	1341																X									
CCV	1.00	1344																X									
CCB	1.00	1346																X									
PBS	1.00	1349																X									
LCSS	5.00	1351																X									
ME2DN7	1.00	1354																X									
ME2DN7D	1.00	1356																X									
ME2DN7S	1.00	1359																X									
ME2DN8	1.00	1401																X									
ME2DN9	1.00	1404																X									
ME2DP0	1.00	1406																X									
ME2DP1	1.00	1409																X									
ME2DP2	1.00	1411																X									
CCV	1.00	1413																X									
CCB	1.00	1416																X									
ME2DP3	1.00	1418																X									
ME2DP4	1.00	1421																X									
ME2DP5	1.00	1423																X									
ME2DP6	1.00	1425																X									
ME2DQ4	1.00	1428																X									
ZZZZZZ	1.00	1430																									
ZZZZZZ	1.00	1433																									
ZZZZZZ	1.00	1435																									
ZZZZZZ	1.00	1437																									
ZZZZZZ	1.00	1440																									

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: MEIDN7

Instrument ID Number: CV Method: CV

Start date: 10/15/03 End date: 10/15/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.00	1442																X									
CCB	1.00	1445																X									
ZZZZZZ	1.00	1447																									
ZZZZZZ	1.00	1449																									
ZZZZZZ	1.00	1452																									
ZZZZZZ	1.00	1454																									
ZZZZZZ	1.00	1457																									
ZZZZZZ	1.00	1459																									
ZZZZZZ	1.00	1502																									
ZZZZZZ	1.00	1504																									
ZZZZZZ	1.00	1507																									
ZZZZZZ	1.00	1509																									
CCV	1.00	1512																X									
CCB	1.00	1515																X									
ZZZZZZ	1.00	1517																									
ZZZZZZ	1.00	1519																									
ZZZZZZ	1.00	1522																									
ZZZZZZ	1.00	1524																									
ZZZZZZ	1.00	1527																									
ZZZZZZ	1.00	1529																									
ZZZZZZ	1.00	1532																									
ZZZZZZ	1.00	1534																									
ZZZZZZ	1.00	1537																									
CCV	1.00	1539																X									
CCB	1.00	1542																X									
ZZZZZZ	1.00	1544																									
ZZZZZZ	1.00	1547																									
ZZZZZZ	1.00	1549																									
ZZZZZZ	1.00	1551																									
ZZZZZZ	1.00	1554																									
ZZZZZZ	1.00	1556																									
ZZZZZZ	1.00	1559																									
ZZZZZZ	1.00	1601																									

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: MEIDN7

Instrument ID Number: CV Method: CV

Start date: 10/15/03 End date: 10/15/03

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1603																									
ZZZZZZ	1.00	1606																									
CCV	1.00	1609																X									
CCB	1.00	1611																X									

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

Sample Delivery Group: MEADN7 CERCLIS No: ILD980792006

Case No: 32243 Site Name/Location: SAUGET SITE N

Contractor of EPA Lab: CHEMTECH Data User: TETRA TECH

No. of Samples: 11 Date Sampled or Date Received: _____

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: 11 No. of samples received: 11

Received by: Ewa M. Dixon/ESAT Date: 10-20-03

Received by LSSS: Ewa M. Dixon/ESAT Date: 10-20-03

Review started: 10-31-03 Reviewer Signature: Marjorie L. Matter

Total time spent on review: 12 Date review completed: 11-3-03

Copied by: Ewa M. Dixon/ESAT (+2 on 11-4-03) Date: 11-5-03

Mailed to user by: Ewa M. Dixon/ESAT Date: 11-5-03

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: _____

NOV 0 5 2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 11/3/03

SUBJECT: **Review of Data**
Received for review on 10/20/03

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

TO: **Data User:** TetraTech

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

SITE NAME: Sauget Site N

CASE NUMBER: 32243 **SDG NUMBER:** ME2DP7

Number and Type of Samples: ME2DP7-8, ME2DQ0-3, ME2DQ5, ME2DQ9, ME2DR0

Sample Numbers: 9 Waters

Laboratory: ChemTech Hrs. for Review: 11
+2

Following are our findings:

CC: Cecilia Moore
Region 5 TOPO
Mail Code: SMF-4J

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

Nine (9) water samples, numbered ME2DP7-8, ME2DQ0-3, ME2DQ5, ME2DQ9, ME2DR0 were collected on 10/8/03. The lab received the samples on 10/10/03 in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using the CLP SOW ILM04.0/4.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric (ICP-AES) procedure. Cyanide was not performed for this SDG.

Reviewed by: James Abston
Date: 11/3/03

1. HOLDING TIME:

HOLDING TIME CRITERIA

---Inorganic---

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

No problems were found for this qualification.

2. CALIBRATIONS:

CALIBRATION CRITERIA

---Inorganic---

Percent Recovery Limits

	--- Primary ---		-- Expanded ---	
	Low	High	Low	High
ICP	90.00	110.00	75.00	125.00
Mercury	80.00	120.00	65.00	135.00

No problems were found for this qualification.

3. BLANKS:

LABORATORY BLANKS CRITERIA

DC-283: The following inorganic samples are associated with a negative blank

concentration whose absolute value is greater than the instrument detection limit (IDL). The sample concentration is greater than the IDL and less than five times the absolute value of the blank concentration. These hits are qualified "J" and non-detects are qualified "UJ".

Barium
ME2DR0

Mercury
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ3, ME2DQ5, ME2DR0

Potassium
ME2DR0

Thallium
ME2DQ1

Selenium
ME2DP7, ME2DQ0, ME2DQ2, ME2DR0

DC-284: The following inorganic samples are associated with an instrument, preparation, or field blank concentration which is greater than the instrument detection limit (IDL). The sample concentration is also greater than the IDL and less than five times the blank concentration.

These hits are qualified "J".

Aluminum
ME2DR0

Arsenic
ME2DQ1, ME2DQ3

Copper
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ5, ME2DR0

Iron
ME2DR0

Reviewed by: James Abston
Date: 11/3/03

Magnesium
ME2DR0

Manganese
ME2DR0

Mercury
ME2DP7, ME2DP8, ME2DQ3, ME2DQ5, ME2DR0

Selenium
ME2DQ0, ME2DQ2, ME2DR0

Zinc
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2

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

MATRIX SPIKE CRITERIA

---Inorganic---

Percent Recovery Limits

Upper	125.0
Lower	75.0
Extreme lower	30.0

DC-267: The following inorganic samples are associated with a matrix spike recovery which is high (>125%).
Hits are qualified "J".

Iron
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ3, ME2DQ5, ME2DQ9, ME2DR0

DC-268: The following inorganic samples are associated with a matrix spike recovery which is low (30-74 %) indicating that sample results may be biased low.

Reviewed by: James Abston
Date: 11/3/03

Hits are qualified "J" and non-detects are qualified "UJ".

Silver
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ3, ME2DQ5, ME2DQ9, ME2DR0

Thallium
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ3, ME2DQ5, ME2DQ9, ME2DR0

No problems were found for the laboratory control sample.

5. LABORATORY AND FIELD DUPLICATE:

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

Iron
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ3, ME2DQ5, ME2DQ9, ME2DR0

The following inorganic samples are associated with field duplicate pair results which did not meet relative percent difference (RPD) criteria. Water samples (ME2DP7/8) are field duplicates.
Hits are qualified "J" and non-detects are qualified "UJ".

Aluminum
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ3, ME2DQ5, ME2DQ9, ME2DR0

6. ICP ANALYSIS:

DC-294: The analyte concentration is high (>50 X the IDL) and serial dilution percent difference is not in control (>10%).
Hits are qualified "J" and non-detects are qualified "UJ".

Reviewed by: James Abston
Date: 11/3/03

Potassium
ME2DP7, ME2DP8, ME2DQ0, ME2DQ1, ME2DQ2, ME2DQ3, ME2DQ5, ME2DQ9, ME2DR0

The following inorganic samples are associated with negative sample results whose absolute value is greater than the CRDL, indicating a possible elevated detection limit.
Non-detects are qualified "UJ".

Thallium
ME2DQ5

The following inorganic samples are associated with negative sample results whose absolute value is greater than the CRDL, indicating a possible elevated detection limit.
Non-detects are qualified "R".

Selenium
ME2DQ9

Thallium
ME2DQ0, ME2DQ9

7. GFAA ANALYSIS:

No GFAA analyses were performed for this case.

8. SAMPLE RESULTS:

All data, except those qualified above, are acceptable.

Reviewed by: James Abston
Date: 11/3/03

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 the quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The data are unusable. (The compound may or may not be present)

Reviewed by: James Abston
Date: 11/3/03

QC EXCEP SUMMARY REPORT

CASE\SAS#: 32243 SITE: Sauget Site N MATRIX: Water WATER SAMPLE SPK:

DATA SET: ME2DP7 LAB: ChemTech CONC: Low WATER SAMPLE DUP:

LAB QC # REVIEWED BY: Jamie Abate SOIL SAMPLE SPK:

DATE: 10/22/03 SOIL SAMPLE DUP:

FORM #		FORM 1	FORM 2	FORM 3	FORM 3	FORM 3	FORM 4	FORM 5	FORM 6	FORM 7	FORM 7	FORM 8	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 %R	SOIL SPIKE %R	SOIL DUP RPD	ICS AQ	ICS SOIL	SERIAL DILUTION AQUEOUS	SERIAL DILUTION SOIL	AQ DUP ~~%R~~ RPD	AQ SPIKE %R	BLANK	DUP RPD	BLANK	DUP RPD	
CHROMIUM				26.6													27.3			
ANTIMONY				~~8.5~~																
CHROMIUM				8.3																
BARIUM				-1.4	-14.6															
BERYLLIUM																				
CADMIUM																				
CALCIUM																				
CHROMIUM																				
COBALT																				
COPPER				1.3	1.73															
IRON					25.42									23.9	165					
LEAD																				
MAGNESIUM				26.0																
MANGANESE				0.6																
MERCURY				0.2 -0.2																
NICKEL																				
POTASSIUM				-30.3																
SELENIUM				2.6 -2.1																
SILVER															74					
SODIUM																				
THALLIUM				-6.0											73					
TIN																				
VANADIUM																				
ZINC																				
CYANIDE																				

Analytical Results (Qualified Data)

Case #: 32243
SDG : ME2DP7
Site : DEAD CREEK
Lab. : CHEMED
Reviewer : James Abston
Date : 11/03/03

Number of Soil Samples : 0
Number of Water Samples : 9

Sample Number :	ME2DP7		ME2DP8		ME2DQ0		ME2DQ1		ME2DQ2	
Sampling Location :	GW06		GW06D		GW07		GW08		GW09	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/08/2003		10/08/2003		10/08/2003		10/08/2003		10/08/2003	
Time Sampled :	10:25		10:25		11:15		11:50		12:30	
%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	1250	J	1640	J	937	J	606	J	364	J
ANTIMONY	7.2	U	7.2	U	7.2	U	7.2	U	7.2	U
ARSENIC	126		125		8.9	J	14.8	J	4.4	U
BARIUM	928		998		685		304		410	
BERYLLIUM	0.22		0.25		0.16		0.14		0.10	U
CADMIUM	0.50	U	0.50	U	0.61		0.50	U	0.50	U
CALCIUM	234000		245000		242000		138000		188000	
CHROMIUM	2.5		2.4		2.2		0.6		1.1	U
COBALT	16.6		17.7		15.6		2.8		1.4	U
COPPER	2.9	J	2.2	J	4.1	J	4.8	J	2.2	J
IRON	63600	J	66200	J	2550	J	26200	J	23000	J
LEAD	3.6		3.9		3.9		18.0		6.6	
MAGNESIUM	70300		73600		72500		23600		33100	
MANGANESE	5810		5990		6970		1430		601	
MERCURY	0.27	J	0.26	J	0.10	UJ	0.10	U	0.10	U
NICKEL	20.6		25.1		31.0		10.0		1.8	
POTASSIUM	13400	J	13800	J	14100	J	5220	J	22200	J
SELENIUM	1.9	UJ	1.9	UJ	4.0	J	1.9	UJ	2.1	J
SILVER	1.5	UJ	1.5	UJ	1.5	UJ	1.5	UJ	1.5	UJ
SODIUM	15000		15000		12000		8830		24200	
THALLIUM	4.2	UJ	4.2	UJ	4.2	R	4.2	UJ	4.2	UJ
VANADIUM	3.5		3.8		1.6	U	2.7		1.6	U
ZINC	36.8	J	43.9	J	40.9	J	49.5	J	120	J
CYANIDE										

Analytical Results (Qualified Data)

Case #: 32243 SDG : ME2DP7
Site : DEAD CREEK
Lab. : CHEMED
Reviewer : James Abston
Date : 11/03/03

Sample Number :	ME2DQ3		ME2DQ5		ME2DQ9		ME2DR0			
Sampling Location :	GW010		GW02		GW01		ER 1			
Matrix :	Water		Water		Water		Water			
Units :	ug/L		ug/L		ug/L		ug/L			
Date Sampled :	10/08/2003		10/08/2003		10/08/2003		10/08/2003			
Time Sampled :	14:00		14:30		17:15		17:10			
%Solids :	0.0		0.0		0.0		0.0			
Dilution Factor :	1.0		1.0		1.0		1.0			
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag		
ALUMINUM	23600	J	839	J	189000	J	22.5	J		
ANTIMONY	6.0		7.2	U	7.2	U	7.2	U		
ARSENIC	36.7	J	4.4	U	226		4.4	U		
BARIUM	1550		357		6520		1.3	UJ		
BERYLLIUM	2.9		0.10	U	42.6		0.10	U		
CADMIUM	8.9		0.60	U	27.4		0.50	U		
CALCIUM	350000		193000		7800000		117			
CHROMIUM	49.6		1.1	U	226		1.1	U		
COBALT	37.0		1.4	U	528		1.4	U		
COPPER	172		15.4	U	393		4.7	J		
IRON	50900	J	18200	J	918000	J	31.5	J		
LEAD	410		92.4		941		2.6	U		
MAGNESIUM	60300		30500		1750000		28.5	J		
MANGANESE	1880		380		88300		1.3	J		
MERCURY	0.52	J	0.23	J	2.6		0.13	J		
NICKEL	94.5		2.5		1220		1.8	U		
POTASSIUM	9090	J	18900	J	95700	J	25.3	UJ		
SELENIUM	1.9	U	1.9	U	1.9	R	2.5	J		
SILVER	1.5	UJ	1.5	UJ	1.5	UJ	1.5	UJ		
SODIUM	7480		14200		13000		547	U		
THALLIUM	4.2	UJ	4.2	UJ	4.2	R	4.2	UJ		
VANADIUM	101		1.6	U	1040		1.6	U		
ZINC	2140		133		2840		25.8			
CYANIDE										

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

Case No: 32243
DAS No:
SDG No: ME2DP7

L

Date Shipped:	10/9/2003
Carrier Name:	FedEx
Airbill:	841513028947
Shipped to:	ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 K. Kuchner	10/9/03 1200		
2 FedEx	10/10/03 9:29	Sunny Patel	10/10/03 9:29
3			
4			

Sampler Signature: [signature]

For Lab Use Only

Lab Contract No: 68W00088
Unit Price: $119.00
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
ME2DP7	Ground Water/ Chad Gibson	M/G	TM (7)	5216481 (HNO3) (1)	GW06	S: 10/8/2003	10:25	E2DP7	
ME2DP8	Ground Water/ Chad Gibson	M/G	TM (7)	5216490 (HNO3) (1)	GW06D	S: 10/8/2003	10:25	E2DP8	
ME2DQ0	Ground Water/ Chad Gibson	M/G	TM (7)	5216497 (HNO3), 5216498 (HNO3), 5216499 (HNO3) (3)	GW07	S: 10/8/2003	11:15	E2DQ0	
ME2DQ1	Ground Water/ Chad Gibson	M/G	TM (7)	5216518 (HNO3) (1)	GW08	S: 10/8/2003	11:50	E2DQ1	
ME2DQ2	Ground Water/ Chad Gibson	M/G	TM (7)	5216525 (HNO3) (1)	GW09	S: 10/8/2003	12:30	E2DQ2	
ME2DQ3	Ground Water/ Chad Gibson	M/G	TM (7)	5216532 (HNO3) (1)	GW010	S: 10/8/2003	14:00	E2DQ3	
ME2DQ4	Soil (>12")/ Chad Gibson	M/G	TM (7)	5216541 (Ice Only) (1)	SS01	S: 10/8/2003	15:40	E2DQ4	
ME2DQ5	Ground Water/ Chad Gibson	M/G	TM (7)	5216548 (HNO3) (1)	GW02	S: 10/8/2003	14:30	E2DQ5	
ME2DQ9	Ground Water/ Chad Gibson	M/G	TM (7)	5216559 (HNO3) (1)	GW01	S: 10/8/2003	17:15	E2DQ9	
ME2DR0	Field QC/ Chad Gibson	L/G	TM (7)	5216564 (HNO3) (1)	ER 1	S: 10/8/2003	17:10	E2DR0	

Sample ME2DQ4 is in SDG# ME2DN7

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: ME2DN7, ME2DQ0	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt 4°C	Chain of Custody Seal Number: 83054, 83055
Analysis Key: TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Yes / Shipment Iced? Yes

TR Number: 5-515281857-100903-0003

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

CHEMTECH

SDG NARRATIVE

USEPA
SDG # ME2DP7
CASE # 32243
CONTRACT # 68-W0-0088
LAB CODE: CHEMED
CHEMTECH PROJECT #R4610

A. Number of Samples and Date of Receipt

09 Water Samples were delivered to the laboratory on 10/10/03.

B. Parameters

Test requested for Total Metals only.

C. Cooler Temp
Indicator Bottle: **Presence**/Absence
Cooler Temp: 4°C

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

E. Corrective Action taken for above:

G. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate the presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirement except for Iron, Thallium and Silver. Duplicate sample did met requirements except for the Iron. Serial Dilution did met requirements except for the Potassium.

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 10/17/03 Title: QA/QC

OCT 2 0 2003

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

SOW No.: ILM04.1

EPA SAMPLE NO.	Lab Sample ID.
ME2DP7	R4610-01
ME2DP8	R4610-02
ME2DQ0	R4610-03
ME2DQ0D	R4610-04
ME2DQ0S	R4610-05
ME2DQ1	R4610-06
ME2DQ2	R4610-07
ME2DQ3	R4610-08
ME2DQ5	R4610-09
ME2DQ9	R4610-10
ME2DR0	R4610-11

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

Comments:
The "E" qualifiers on Form I and IX for Potassium 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 has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mildred V. Reyes Name: MILDRED V. REYES

Date: 10/17/03 Title: QA/QC DIRECTOR

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP7

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-01

Level (low/med):LOW Date Received: 10/10/03

% 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	1250			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	126			P
7440-39-3	Barium	928			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	234000			P
7440-47-3	Chromium	2.5	B		P
7440-48-4	Cobalt	16.6	B		P
7440-50-8	Copper	2.9	B		P
7439-89-6	Iron	63600		N*	P
7439-92-1	Lead	3.6			P
7439-95-4	Magnesium	70300			P
7439-96-5	Manganese	5810			P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	20.6	B		P
7440-09-7	Potassium	13400		E	P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	15000			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	3.5	B		P
7440-66-6	Zinc	36.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DP8

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-02

Level (low/med):LOW Date Received: 10/10/03

% 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	1640			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	125			P
7440-39-3	Barium	998			P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	245000			P
7440-47-3	Chromium	2.4	B		P
7440-48-4	Cobalt	17.7	B		P
7440-50-8	Copper	2.2	B		P
7439-89-6	Iron	66200		N*	P
7439-92-1	Lead	3.9			P
7439-95-4	Magnesium	73600			P
7439-96-5	Manganese	5990			P
7439-97-6	Mercury	0.26			CV
7440-02-0	Nickel	25.1	B		P
7440-09-7	Potassium	13800		E	P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	15000			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	43.9			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DQ0

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-03

Level (low/med):LOW Date Received: 10/10/03

% 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	937			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	8.9	B		P
7440-39-3	Barium	665			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.61	B		P
7440-70-2	Calcium	242000			P
7440-47-3	Chromium	2.2	B		P
7440-48-4	Cobalt	15.6	B		P
7440-50-8	Copper	4.1	B		P
7439-89-6	Iron	2550		N*	P
7439-92-1	Lead	3.9			P
7439-95-4	Magnesium	72500			P
7439-96-5	Manganese	6970			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	31.0	B		P
7440-09-7	Potassium	14100		E	P
7782-49-2	Selenium	4.0	B		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	12000			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	1.6	U		P
7440-66-6	Zinc	40.9			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DQ1

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-06

Level (low/med):LOW Date Received: 10/10/03

% 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	606			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	14.8			P
7440-39-3	Barium	304			P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	138000			P
7440-47-3	Chromium	9.6	B		P
7440-48-4	Cobalt	2.8	B		P
7440-50-8	Copper	4.8	B		P
7439-89-6	Iron	26200		N*	P
7439-92-1	Lead	18.0			P
7439-95-4	Magnesium	23600			P
7439-96-5	Manganese	1430			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	10.0	B		P
7440-09-7	Potassium	5220		E	P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	6830			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	2.7	B		P
7440-66-6	Zinc	49.5			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DQ2

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-07

Level (low/med):LOW Date Received: 10/10/03

% 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	364			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	4.4	U		P
7440-39-3	Barium	410			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	188000			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	2.2	B		P
7439-89-6	Iron	23000		N*	P
7439-92-1	Lead	6.6			P
7439-95-4	Magnesium	33100			P
7439-96-5	Manganese	801			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	22200		E	P
7782-49-2	Selenium	2.1	B		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	24200			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	1.6	U		P
7440-66-6	Zinc	120			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DQ3

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-08

Level (low/med):LOW Date Received: 10/10/03

% 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	23600			P
7440-36-0	Antimony	8.0	B		P
7440-38-2	Arsenic	36.7			P
7440-39-3	Barium	1550			P
7440-41-7	Beryllium	2.9	B		P
7440-43-9	Cadmium	8.9			P
7440-70-2	Calcium	350000			P
7440-47-3	Chromium	49.8			P
7440-48-4	Cobalt	37.0	B		P
7440-50-8	Copper	772			P
7439-89-6	Iron	50900		N*	P
7439-92-1	Lead	1410			P
7439-95-4	Magnesium	60300			P
7439-96-5	Manganese	1880			P
7439-97-6	Mercury	0.52			CV
7440-02-0	Nickel	94.5			P
7440-09-7	Potassium	9090		E	P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	7480			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	101			P
7440-66-6	Zinc	2140			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DQ5

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-09

Level (low/med):LOW Date Received: 10/10/03

% 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	839			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	4.4	U		P
7440-39-3	Barium	357			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	193000			P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	13.7	B		P
7439-89-6	Iron	18200		N*	P
7439-92-1	Lead	92.4			P
7439-95-4	Magnesium	30500			P
7439-96-5	Manganese	1360			P
7439-97-6	Mercury	0.23			CV
7440-02-0	Nickel	2.5	B		P
7440-09-7	Potassium	18900		E	P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	14200			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	1.6	U		P
7440-66-6	Zinc	133			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN ILM04.1

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DQ9

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-10

Level (low/med):LOW Date Received: 10/10/03

% 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	189000			P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	226			P
7440-39-3	Barium	6520			P
7440-41-7	Beryllium	42.6			P
7440-43-9	Cadmium	27.4			P
7440-70-2	Calcium	7830000			P
7440-47-3	Chromium	226			P
7440-48-4	Cobalt	528			P
7440-50-8	Copper	393			P
7439-89-6	Iron	918000		N*	P
7439-92-1	Lead	941			P
7439-95-4	Magnesium	1750000			P
7439-96-5	Manganese	88300			P
7439-97-6	Mercury	2.6			CV
7440-02-0	Nickel	1220			P
7440-09-7	Potassium	95700		E	P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	113000			P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	1040			P
7440-66-6	Zinc	2840			P
	Cyanide				NR

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2DR0

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Matrix (soil/water): WATER Lab Sample ID: R4610-11

Level (low/med):LOW Date Received: 10/10/03

% 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	22.5	B		P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	4.4	U		P
7440-39-3	Barium	1.3	U		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	117	B		P
7440-47-3	Chromium	1.1	U		P
7440-48-4	Cobalt	1.4	U		P
7440-50-8	Copper	4.7	B		P
7439-89-6	Iron	31.5	B	N*	P
7439-92-1	Lead	2.6	U		P
7439-95-4	Magnesium	28.5	B		P
7439-96-5	Manganese	1.3	B		P
7439-97-6	Mercury	0.13	B		CV
7440-02-0	Nickel	1.8	U		P
7440-09-7	Potassium	25.3	U	E	P
7782-49-2	Selenium	2.5	B		P
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	547	U		P
7440-28-0	Thallium	4.2	U	N	P
7440-62-2	Vanadium	1.6	U		P
7440-66-6	Zinc	25.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

3
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	19.0	U	19.0	U	19.0	U	26.1	B	19.000	U	P
Antimony	7.2	U	7.2	U	7.2	U	7.2	U	7.200	U	P
Arsenic	5.5	B	4.4	U	8.3	B	4.4	U	4.400	U	P
Barium	1.3	U	1.3	U	1.3	U	-1.4	B	-14.610	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	P
Calcium	47.1	U	47.1	U	47.1	U	47.1	U	47.100	U	P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Cobalt	1.4	U	1.4	U	1.4	U	1.4	U	1.400	U	P
Copper	1.2	U	1.2	U	1.3	B	1.2	U	1.730	B	P
Iron	23.1	U	23.1	U	23.1	U	23.1	U	25.925	B	P
Lead	2.6	U	2.6	U	2.6	U	2.6	U	2.600	U	P
Magnesium	19.2	U	21.2	B	19.2	U	24.9	B	19.200	U	P
Manganese	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Mercury	0.1	U	0.1	U	0.1	U	-0.2	B	0.100	U	CV
Nickel	1.8	U	1.8	U	1.8	U	1.8	U	1.800	U	P
Potassium	25.3	U	25.3	U	25.3	U	-27.5	B	25.300	U	P
Selenium	1.9	U	1.9	U	2.6	B	-2.1	B	1.900	U	P
Silver	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Sodium	547.0	U	547.0	U	547.0	U	547.0	U	547.000	U	P
Thallium	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Vanadium	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	P
Zinc	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Cyanide											NR

3
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

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			19.0	U	26.6	B					P
Antimony			7.2	U	7.2	U					P
Arsenic			4.4	U	4.4	U					P
Barium			-1.6	B	1.3	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.5	U	0.5	U					P
Calcium			47.1	U	47.1	U					P
Chromium			1.1	U	1.1	U					P
Cobalt			1.4	U	1.4	U					P
Copper			1.2	U	1.2	U					P
Iron			23.1	U	23.1	U					P
Lead			2.6	U	2.6	U					P
Magnesium			19.2	U	26.0	B					P
Manganese			0.6	B	0.3	U					P
Mercury			0.1	U	0.2	B					CV
Nickel			1.8	U	1.8	U					P
Potassium			-25.5	B	-30.3	B					P
Selenium			1.9	U	1.9	U					P
Silver			1.5	U	1.5	U					P
Sodium			547.0	U	547.0	U					P
Thallium			4.2	U	-6.0	B					P
Vanadium			1.6	U	1.6	U					P
Zinc			1.0	U	1.0	U					P
Cyanide											NR

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2DQ0S

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

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	3056.6800		936.9900		2000.00	106.0		P
Antimony	75-125	466.8550		7.2000	U	500.00	93.4		P
Arsenic	75-125	45.6700		8.9400	B	40.00	91.8		P
Barium	75-125	2656.2100		664.5550		2000.00	99.6		P
Beryllium	75-125	47.9150		0.1600	B	50.00	95.5		P
Cadmium	75-125	49.5050		0.6100	B	50.00	97.8		P
Calcium									NR
Chromium	75-125	195.0650		2.2100	B	200.00	96.4		P
Cobalt	75-125	481.0200		15.5950	B	500.00	93.1		P
Copper	75-125	236.5900		4.1200	B	250.00	93.0		P
Iron	75-125	4203.6300		2548.0350		1000.00	165.6	N	P
Lead	75-125	23.8450		3.9350		20.00	99.6		P
Magnesium									NR
Manganese		7510.6700		6967.3500		500.00	108.7		P
Mercury	75-125	0.9650		0.1000	U	1.00	96.5		CV
Nickel	75-125	503.2000		31.0450	B	500.00	94.4		P
Potassium									NR
Selenium	75-125	12.8100		3.9650	B	10.00	88.4		P
Silver	75-125	37.0650		1.5000	U	50.00	74.1	N	P
Sodium									NR
Thallium	75-125	36.4550		4.2000	U	50.00	72.9	N	P
Vanadium	75-125	496.1350		1.6000	U	500.00	99.2		P
Zinc	75-125	519.5100		40.9300		500.00	95.7		P
Cyanide									NR

Comments:

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2DQ0A

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron		7418.86		2548.04		5100.0	95.5		P
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium		6.29	B	4.20	U	20.0	31.4		P
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

6
DUPLICATES

EPA SAMPLE NO.

ME2DQ0D

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

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

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	936.9900		1127.4200		18.4		P
Antimony		7.2000	U	7.2000	U			P
Arsenic	10.0	8.9400	B	10.9000		19.8		P
Barium	200.0	664.5550		665.4400		0.1		P
Beryllium		0.1600	B	0.1700	B	6.1		P
Cadmium		0.6100	B	0.7600	B	21.9		P
Calcium		241594.0050		242069.6300		0.2		P
Chromium		2.2100	B	5.2550	B	81.6		P
Cobalt		15.5950	B	15.7800	B	1.2		P
Copper		4.1200	B	4.4850	B	8.5		P
Iron		2548.0350		3238.3000		23.9	*	P
Lead	3.0	3.9350		4.6250		16.1		P
Magnesium		72509.7800		72920.4000		0.6		P
Manganese		6967.3500		6971.9600		0.1		P
Mercury		0.1000	U	0.1000	U			CV
Nickel		31.0450	B	34.7550	B	11.3		P
Potassium	5000.0	14106.1500		14224.1700		0.8		P
Selenium	5.0	3.9650	B	5.0500		24.1		P
Silver		1.5000	U	1.5000	U			P
Sodium	5000.0	11957.8900		11765.3850		1.6		P
Thallium		4.2000	U	4.2000	U			P
Vanadium		1.6000	U	1.6000	U			P
Zinc	20.0	40.9300		39.1000		4.6		P
Cyanide								NR

9
ICP SERIAL DILUTIONS

EPA SAMPLE NO.

ME2DQ0L

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	936.99		1047.82		11.8		P
Antimony	7.20	U	36.00	U			P
Arsenic	8.94	B	47.92	B	436.0		P
Barium	664.56		672.75	B	1.2		P
Beryllium	0.16	B	0.50	U	100.0		P
Cadmium	0.61	B	2.50	U	100.0		P
Calcium	241594.00		256767.20		6.3		P
Chromium	2.21	B	5.50	U	100.0		P
Cobalt	15.60	B	17.98	B	15.3		P
Copper	4.12	B	6.00	U	100.0		P
Iron	2548.04		2619.90		2.8		P
Lead	3.94		13.00	U	100.0		P
Magnesium	72509.78		76104.05		5.0		P
Manganese	6967.35		7297.08		4.7		P
Mercury							NR
Nickel	31.04	B	26.95	B	13.2		P
Potassium	14106.15		11098.42	B	21.3	E	P
Selenium	3.96	B	9.50	U	100.0		P
Silver	1.50	U	7.50	U			P
Sodium	11957.89		11286.55	B	5.6		P
Thallium	4.20	U	21.00	U			P
Vanadium	1.60	U	8.00	U			P
Zinc	40.93		39.15	B	4.3		P

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

ICP ID Number: Date: 10/05/03

Flame AA ID Number: CV

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.1	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR

Comments:
CV: LEEMAN PS200 HG ANALYZER
LEEMAN HG ANALYZER

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-0088

Lab Code: CHEMED Case No.: 32243 SAS No.: SDG No.: ME2DP7

ICP ID Number: P2 Date: 09/09/03

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	19.0	P
Antimony	206.80		60	7.2	P
Arsenic	189.00		10	4.4	P
Barium	493.40		200	1.3	P
Beryllium	313.00		5	0.1	P
Cadmium	226.50		5	0.5	P
Calcium	317.90		5000	47.1	P
Chromium	267.70		10	1.1	P
Cobalt	228.60		50	1.4	P
Copper	324.70		25	1.2	P
Iron	271.40		100	23.1	P
Lead	220.40		3	2.6	P
Magnesium	279.00		5000	19.2	P
Manganese	257.60		15	0.3	P
Mercury			0.2		NR
Nickel	231.60		40	1.8	P
Potassium	766.50		5000	25.3	P
Selenium	196.00		5	1.9	P
Silver	328.00		10	1.5	P
Sodium	588.90		5000	547.0	P
Thallium	190.90		10	4.2	P
Vanadium	292.40		50	1.6	P
Zinc	206.20		20	1.0	P
Cyanide			10		NR

Comments:
P2: ICP 61E TRACE ANALYZER

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

Sample Delivery Group: MEADP-1 CERCLIS No: ILD980792006

Case No: 32243 Site Name/Location: Sauget Site N

Contractor or EPA Lab: Chemtech Data User: Tetra Tech

No. of Samples: 9 Date Sampled or Date Received: 10-20-03

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: 9 No. of samples received: 9

Received by: Eva M. Dixon/ESAT Date: 10-20-03

Received by LSSS: Eva M. Dixon/ESAT Date: 10-20-03

Review started: James Akin Reviewer Signature: 10/22/03

Total time spent on review: 11 Date review completed: 11/3/03
+2 w 11-4-03

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: ____

NOV 0 4 2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on 10-17-03

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

TO: Data User: Tetra Tech

We have reviewed the data for the following case:

SITE NAME: Sauget Site N (IL)

CASE NUMBER: 32243 SDG NUMBER: E2DP7

Number and Type of Samples: 13 (water)

Sample Numbers: E2DP7-8, E2DQ0-3, E2DQ5-6, E2DQ8-9, E2DR0-2

Laboratory: CEIMIC Hrs. for Review: 14

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DP7
Laboratory: CEIMIC

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

Thirteen (13) water samples, numbered E2DP7 through E2DP8, E2DQ0 through E2DQ3, E2DQ5 through E2DQ6, E2DQ8 through E2DQ9, and E2DR0 through E2DR2, were collected on October 8 and 9 2003. The lab received the samples on October 9 and 10, 2003 in good condition. All samples were analyzed for the full list of organic analytes with exception of E2DQ8, E2DQ6, E2DR1 and E2DR2 which are trip blanks and only analyzed for volatiles. All were analyzed according to CLP SOW OLM04.3.

Sample E2DR0 is a field blank. Sample E2DP7 is a field duplicate of sample E2DP8. Samples E2DQ8, E2DQ6, E2DR1 and E2DR2 are trip blanks.

Reviewed By: T. Sedlacek ESAT
Date: November 3, 2003

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DP7
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 percent difference(%D) outside primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

1,1,2-Trichloro-1,2,2-trifluoroethane, Benzene
E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ6, E2DQ8, VBLKPA, VBLKPD, VHBLK01

Acetone, Carbon Disulfide, Methylene Chloride
E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ6, E2DQ8, VBLKPA

Cyclohexane, Methylcyclohexane, Toluene
E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ1, E2DQ2, E2DQ3, E2DQ5, E2DQ6, E2DQ8, E2DQ9, E2DR0, E2DR1, E2DR2, VBLKPA, VBLKPC, VBLKPD, 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
E2DQ1, E2DQ2, E2DQ3, E2DQ5, E2DR0, SBLKKI

Hexachlorocyclopentadiene
E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, SBLKIA

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".

Reviewed By: T. Sedlacek ESAT
Date: November 3, 2003

Case Number : 32243 **SDG Number: E2DP7**
Site Name: Sauget Site N (IL) **Laboratory: CEIMIC**

Hexachlorocyclopentadiene
E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ1, E2DQ2, E2DQ3, E2DQ5, E2DR0, SBLKIA, SBLKKI

4,6-Dinitro-2-methylphenol, Di-n-octylphthalate
E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, SBLKIA

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, unless otherwise qualified elsewhere.

Methylene Chloride
E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ1, E2DQ2, E2DQ3, E2DQ6, E2DQ8, E2DQ9, E2DR0, E2DR1, E2DR2

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

Acetone
E2DP7, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ1, E2DQ2, E2DQ3, E2DQ5, E2DQ6, E2DQ8, E2DQ9, E2DR0, E2DR1, E2DR2

Methylene Chloride
E2DQ5

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

The following semi-volatile samples have one base/neutral surrogate whose percent recovery was outside the lower limit of the criteria window, but greater than 10%. Because only one surrogate in any fraction was out of control no action is required.

E2DQ0, E2DQ0MS, E2DQ0MSD, E2DP7, E2DP8, E2DQ5

The following pesticide samples have surrogate percent recoveries outside the lower limit of the criteria

Case Number : 32243 **SDG Number: E2DP7**
Site Name: Sauget Site N (IL) **Laboratory: CEIMIC**

window, but greater than 10%. Hits are qualified "J" and non-detects are qualified "UJ".

E2DP8

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No defects found.

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2DR0 was a field blank. Sample E2DP7 is a field duplicate of Sample E2DP8. Samples E2DQ8, E2DQ6, E2DR1 and E2DR2 are trip blanks. Results are not qualified based upon the results of the field blank or field duplicates.

Trip Blanks				
Analyte	E2DQ8	E2DQ6	E2DR1	E2DR2
Acetone	7 J	8 J	18	22
Toluene	9 J	3 J	9 J	11
VOA TIC	1	1	1	

Analyte	E2DR0	E2DP7	E2DP8
Acetone	12 J	10 J	
Chlorobenzene	1 J		
VOA TIC		1	1
bis(2-Ethylhexyl)phthalate		2 J	5 J
SVOA TIC		1	

8. INTERNAL STANDARDS

No defects found.

Reviewed By: T. Sedlacek ESAT
Date: November 3, 2003

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DP7
Laboratory: CEIMIC

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".

E2DQ0, E2DQ6, E2DQ8
Acetone, Toluene

E2DQ0MS, E2DQ0MSD, VHBLK01
Acetone

E2DQ2
Toluene, Xylenes (total), Isopropylbenzene

E2DQ3, E2DQ5, E2DR1
Toluene

E2DQ9
Benzene, Toluene

E2DR0
Chlorobenzene

VBLKPC, VBLKPD
Methylene Chloride

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

E2DP7, E2DP8, E2DQ0, E2DQ0MSD, E2DQ3
bis(2-Ethylhexyl)phthalate

Reviewed By: T. Sedlacek ESAT
Date: November 3, 2003

Case Number : 32243
Site Name: Sauget Site N (IL)

SDG Number: E2DP7
Laboratory: CEIMIC

E2DQ2

2-Methylnaphthalene, Dibenzofuran, Phenanthrene, Anthracene, Fluoranthene, Pyrene

E2DQ5

Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Fluoranthene

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ1, E2DQ2, E2DQ3, E2DQ5, E2DQ6, E2DQ8, E2DQ9, E2DR0, E2DR1, E2DR2, VBLKPA, VBLKPC, VBLKPD, VHBLK01

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ1, E2DQ2, E2DQ3, E2DQ5, E2DR0, SBLKIA, SBLKKI

Verification of non-detected results and assignment of "U" qualifier when the reported value is less than CRQL.

E2DP7, E2DP8, E2DQ0, E2DQ0MS, E2DQ0MSD, E2DQ1, E2DQ2, E2DQ3, E2DQ5, E2DR0, PBLK01, PBLK02

Although the samplers requested analysis for the full list of organic analytes for sample E2DQ9, insufficient volume of the water matrix was submitted to the lab, SMO cancelled the SVOA and Pest/PCB analysis for this sample.

Reviewed By: T. Sedlacek ESAT
Date: November 3, 2003

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)

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP7
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW06
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.55	12	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP7
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW06
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

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

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DP8
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW06D
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.56	6	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ0
Sample Type:	Spike Original		
Lab ID:	CEIMIC	Location:	GW07
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.55	7	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ1
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW08
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.55	25	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ1
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW08
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
934349	2(3H)-BENZOTHIAZOLONE	8.42	4	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ2
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW09
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.55	19	J
496117	INDANE	21.04	150	NJ
	C4-BENZENE ISOMER	21.91	6	J
	C4-BENZENE ISOMER	23.07	9	J

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ2
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW09
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
496117	INDANE	4.89	81	NJ
90120	NAPHTHALENE, 1-METHYL-	6.49	6	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	7.10	2	NJ
581420	NAPHTHALENE, 2,6-DIMETHYL-	7.20	4	NJ
613467	2-NAPHTHALENECARBONITRILE	7.66	5	NJ
	UNKNOWN PAH	8.22	5	J
934349	2(3H)-BENZOTHIAZOLONE	8.42	3	NJ
	UNKNOWN PAH	8.49	5	J
	UNKNOWN PAH	8.89	3	J
	UNKNOWN	9.90	2	J
4269152	4-AMINO-9-FLUORENONE	10.41	4	NJ
5737133	CYCLOPENTA(DEF)PHENANTHRENONE	12.03	4	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ3
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW010
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.55	19	J
112312	DECANAL	23.89	6	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ3
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW010
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
3790714	2,6,10-DODECATRIEN-1-OL, 3,7,11-TRIMETHY	11.96	3	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ5
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW02
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.54	12	J
496117	INDANE	21.04	11	NJ
27133933	2,3-DIHYDRO-1-METHYLINDENE	23.09	5	NJ

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ5
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW02
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN PAH	8.48	2	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ6
Sample Type:	Field Blank		
Lab ID:	CEIMIC	Location:	TRIP BLANK 1
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.56	18	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ8
Sample Type:	Field Blank		
Lab ID:	CEIMIC	Location:	TRIP BLANK 2
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
141786	ETHYL ACETATE	8.57	17	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DQ9
Sample Type:	Routine Sample		
Lab ID:	CEIMIC	Location:	GW01
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	4.53	8	J
	UNKNOWN	8.55	6	J
95498	BENZENE, 1-CHLORO-2-METHYL-	19.32	10	NJ
95498	BENZENE, 1-CHLORO-2-METHYL-	19.52	8	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DR0
Sample Type:	Field Blank		
Lab ID:	CEIMIC	Location:	ER 1
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

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

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DR1
Sample Type:	Field Blank		
Lab ID:	CEIMIC	Location:	TRIP BLANK 3
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	UNKNOWN	8.56	10	J
	STRAIGHT-CHAIN ALKANE	24.50	10	J
	STRAIGHT-CHAIN ALKANE	26.46	12	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	E2DR2
Sample Type:	Field Blank		
Lab ID:	CEIMIC	Location:	TRIP BLANK 4
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

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

*Q: Laboratory Qualifier

Semivolatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	SBLKIA
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
5717373	(CARBETHOXYETHYLIDINE)TRIPHENYLPHOSPHORA	12.81	5	NJ

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKPA
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	STRAIGHT-CHAIN ALKANE	6.79	16	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKPC
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	STRAIGHT-CHAIN ALKANE	6.79	9	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VBLKPD
Sample Type:	Method Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
	STRAIGHT-CHAIN ALKANE	6.82	9	J

*Q: Laboratory Qualifier

Volatile Sample Analysis
Tentatively Identified Compounds

		Sample No.:	VHBLK01
Sample Type:	Storage Blank		
Lab ID:	CEIMIC	Location:	
Case No.:	32243	Matrix/Level:	Water/Low
SDG No.:	E2DP7	File Name:	E2DP7

CAS No.	Compound Name	RT	Concentration (UG/L)	Q*
556672	CYCLOTETRASILOXANE, OCTAMETHYL-	18.94	13	NJ
	UNKNOWN	21.77	12	J

*Q: Laboratory Qualifier

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 13

Sample Number :	E2DP7		E2DP8		E2DQ0		E2DQ0MS		E2DQ0MSD	
Sampling Location :	GW06		GW06D		GW07		GW07		GW07	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	U
TRICHLOROFLUOROMETHANE	10	U	10	U	10	U	10	U	10	U
1,1-DICHLOROETHENE	10	U	10	U	10	U	35	[illegible]	36	[illegible]
1,1,2-TRICHLORO-1,2,2-TRIFLUORO	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
ACETONE	10	UJ	10	UJ	6	J	6	J	[illegible]	[illegible]
CARBON DISULFIDE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	37	UJ	23	UJ	15	UJ	15	UJ	35	UJ
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	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	UJ	10	UJ	10	UJ	49	J	51	J
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U	10	U
TRICHLOROETHENE	10	U	10	U	10	U	49		50	
METHYLCYCLOHEXANE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
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	UJ	10	UJ	1	J	51	J	52	J
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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DP7		E2DP8		E2DQ0		E2DQ0MS		E2DQ0MSD	
Sampling Location :	GW06		GW06D		GW07		GW07		GW07	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	53		54	
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	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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ1		E2DQ2		E2DQ3		E2DQ5		E2DQ6	
Sampling Location :	GW08		GW09		GW010		GW02		TRIP BLANK 1	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	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	UJ
ACETONE	20	J	17	J	15	J	17	J	8	J
CARBON DISULFIDE	10	U	10	U	10	U	10	U	10	UJ
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	51	U	49	U	46	U	62	J	26	UJ
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	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	U	10	U	10	U	10	U	10	UJ
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	UJ	10	UJ	10	UJ	10	UJ	10	UJ
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	J	6	J	8	J	6	J	3	J
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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ1		E2DQ2		E2DQ3		E2DQ5		E2DQ6	
Sampling Location :	GW08		GW09		GW010		GW02		TRIP BLANK 1	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	1	J	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	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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ8		E2DQ9		E2DR0		E2DR1		E2DR2	
Sampling Location :	TRIP BLANK 2		GW01		ER 1		TRIP BLANK 3		TRIP BLANK 4	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	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	UJ	10	U	10	U	10	U	10	U
ACETONE	7	J	42	J	12	J	18	J	22	J
CARBON DISULFIDE	10	UJ	10	U	10	U	10	U	10	U
METHYL ACETATE	10	U	10	U	10	U	10	U	10	U
METHYLENE CHLORIDE	27	UJ	51	U	46	U	53	U	46	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	UJ	10	UJ	10	UJ	10	UJ	10	UJ
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U	10	U
BENZENE	10	UJ	2	J	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	UJ	10	UJ	10	UJ	10	UJ	10	UJ
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	9	J	5	J	10	UJ	9	J	11	J
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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ8		E2DQ9		E2DR0		E2DR1		E2DR2	
Sampling Location :	TRIP BLANK 2		GW01		ER 1		TRIP BLANK 3		TRIP BLANK 4	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	160		1	J	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	120		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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKPA		VBLKPC		VBLKPD		VHBLK01			
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	U	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	UJ	10	U	10	UJ	10	UJ		
ACETONE	10	UJ	10	U	10	U	5	J		
CARBON DISULFIDE	10	UJ	10	U	10	U	10	U		
METHYL ACETATE	10	U	10	U	10	U	10	U		
METHYLENE CHLORIDE	10		6	J	1	J	19			
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		
CIS-1,2-DICHLOROETHENE	10	U	10	U	10	U	10	U		
2-BUTANONE	10	U	10	U	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	UJ	10	UJ	10	UJ	10	UJ		
CARBON TETRACHLORIDE	10	U	10	U	10	U	10	U		
BENZENE	10	UJ	10	U	10	UJ	10	UJ		
1,2-DICHLOROETHANE	10	U	10	U	10	U	10	U		
TRICHLOROETHENE	10	U	10	U	10	U	10	U		
METHYLCYCLOHEXANE	10	UJ	10	UJ	10	UJ	10	UJ		
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	UJ	10	UJ	10	UJ	10	UJ		
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		

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKPA		VBLKPC		VBLKPD		VHBLK01			
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	U	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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

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

Sample Number :	E2DP7		E2DP8		E2DQ0		E2DQ0MS		E2DQ0MSD	
Sampling Location :	GW06		GW06D		GW07		GW07		GW07	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	U	10	U	10	U	10	U	10	U
PHENOL	10	U	10	U	10	U	37		39	
BIS-(2-CHLOROETHYL)ETHER	10	U	10	U	10	U	10	U	10	U
2-CHLOROPHENOL	10	U	10	U	10	U	39		42	
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	10	U	28		31	
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
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	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	10	U	46		47	
2-METHYLNAPHTHALENE	10	U	10	U	10	U	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
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	31		32	

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DP7		E2DP8		E2DQ0		E2DQ0MS		E2DQ0MSD	
Sampling Location :	GW06		GW06D		GW07		GW07		GW07	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	25	U	50		57	
DIBENZOFURAN	10	U	10	U	10	U	10	U	10	U
2,4-DINITROTOLUENE	10	U	10	U	10	U	34		37	
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	UJ	25	UJ	25	UJ	25	UJ	25	UJ
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	68		77	
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	27		35	
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	2	J	5	J	2	J	10	U	1	J
DI-N-OCTYLPHTHALATE	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
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

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ1		E2DQ2		E2DQ3		E2DQ5		E2DR0	
Sampling Location :	GW08		GW09		GW010		GW02		ER 1	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	10	U	10	U	10	U
BIS-(2-CHLOROETHYL)ETHER	10	U	10	U	10	U	10	U	10	U
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	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	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	U
2,4-DICHLOROPHENOL	10	U	10	U	10	U	10	U	10	U
NAPHTHALENE	10	U	21		10	U	2	J	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	10	U	10	U	10	U
2-METHYLNAPHTHALENE	10	U	8	J	10	U	1	J	10	U
HEXACHLOROCYCLO-PENTADIEN	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
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	52		10	U	18		10	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ1		E2DQ2		E2DQ3		E2DQ5		E2DR0	
Sampling Location :	GW08		GW09		GW010		GW02		ER 1	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	25	U	25	U	25	U
DIBENZOFURAN	10	U	4	J	10	U	3	J	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	21		10	U	6	J	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	5	J	10	U	10	U	10	U
ANTHRACENE	10	U	1	J	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	3	J	10	U	1	J	10	U
PYRENE	10	U	1	J	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	2	J	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

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	SBLKIA		SBLKKI							
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	U	10	UJ						
PHENOL	10	U	10	U						
BIS-(2-CHLOROETHYL)ETHER	10	U	10	U						
2-CHLOROPHENOL	10	U	10	U						
2-METHYLPHENOL	10	U	10	U						
2,2'-OXYBIS(1- CHLOROPROPANE)	10	U	10	U						
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	U	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	UJ	10	UJ						
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						

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	SBLKIA		SBLKKI							
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	U	25	U						
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	UJ	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	UJ	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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

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

Sample Number :	E2DP7		E2DP8		E2DQ0		E2DQ0MS		E2DQ0MSD	
Sampling Location :	GW06		GW06D		GW07		GW07		GW07	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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	UJ	0.050	U	0.050	U	0.050	U
BETA-BHC	0.050	U	0.050	UJ	0.050	U	0.050	U	0.050	U
DELTA-BHC	0.050	U	0.050	UJ	0.050	U	0.050	U	0.050	U
GAMMA-BHC (LINDANE)	0.050	U	0.050	UJ	0.050	U	0.33		0.33	
HEPTACHLOR	0.050	U	0.050	UJ	0.050	U	0.32		0.32	
ALDRIN	0.050	U	0.050	UJ	0.050	U	0.38		0.38	
HEPTACHLOR EPOXIDE	0.050	U	0.050	UJ	0.050	U	0.050	U	0.050	U
ENDOSU1FAN I	0.050	U	0.050	UJ	0.050	U	0.050	U	0.050	U
DIELDRIN	0.10	U	0.10	UJ	0.10	U	0.82		0.81	
4,4'-DDE	0.10	U	0.10	UJ	0.10	U	0.10	U	0.10	U
ENDRIN	0.10	U	0.10	UJ	0.10	U	0.91		0.90	
ENDOSULFAN II	0.10	U	0.10	UJ	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	UJ	0.10	U	0.10	U	0.10	U
ENDOSULFAN SULFATE	0.10	U	0.10	UJ	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	UJ	0.10	U	0.72		0.71	
METHOXYCHLOR	0.50	U	0.50	UJ	0.50	U	0.50	U	0.50	U
ENDRIN KETONE	0.10	U	0.10	UJ	0.10	U	0.10	U	0.10	U
ENDRIN ALDEHYDE	0.10	U	0.10	UJ	0.10	U	0.10	U	0.10	U
ALPHA-CHLORDANE	0.050	U	0.050	UJ	0.050	U	0.050	U	0.050	U
GAMMA-CHLORDANE	0.050	U	0.050	UJ	0.050	U	0.050	U	0.050	U
TOXAPHENE	5.0	U	5.0	UJ	5.0	U	5.0	U	5.0	U
AROCLOR-1016	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U
AROCLOR-1221	2.0	U	2.0	UJ	2.0	U	2.0	U	2.0	U
AROCLOR-1232	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U
AROCLOR-1242	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U
AROCLOR-1248	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U
AROCLOR-1254	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U
AROCLOR-1260	1.0	U	1.0	UJ	1.0	U	1.0	U	1.0	U

Analytical Results (Qualified Data)

Case #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E2DQ1		E2DQ2		E2DQ3		E2DQ5		E2DR0	
Sampling Location :	GW08		GW09		GW010		GW02		ER 1	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :										
Time Sampled :										
%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 #: 32243 SDG : E2DP7
Site : DEAD CREEK
Lab. : CEIMIC
Reviewer :
Date :

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 10-17-03

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

TO: Data User: TETRA TECH

We have reviewed the data for the following case:

SITE NAME: SAUGET SITE N (IL)

CASE NUMBER: 32243 SDG NUMBER: E2DP7

Number and Type of Samples: 13 (WATER)

Sample Numbers: E2DP7-8, E2DQ0, E2DQ6, E2DQ8, E2DQ1-3, E2DQ5, E2DR0-2

Laboratory: CEIMIC Hrs for Review:

Following are our findings:

CC: Cecilia Moore
Region 5 TPO
Mail Code: SMF-4J

SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVERSHEET

Lab Name: Ceimic Corporation **Lab Code:** CEIMIC

Case No.: 32243 **Bid Lot:** L

Contract No: 68-W-03-018 **Full Sample Analysis Price:** $390.00

First Sample in SDG: E2DP7 **Sample Receipt Date:** 10/9/2003
(Lowest EPA Sample Number in the first shipment of samples received under SDG.)

Last Sample in SDG: E2DR2 **Sample Receipt Date:** 10/10/2003
(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. E2DP7	**11.** E2DR0
2. E2DP8	**12.** E2DR1
3. E2DQ0	**13.** E2DR2
4. E2DQ6	**14.**
5. E2DQ8	**15.**
6. E2DQ1	**16.**
7. E2DQ2	**17.**
8. E2DQ3	**18.**
9. E2DQ5	**19.**
10. E2DQ9	**20.**

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 Robinson
Signature

10/16/03
Date

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

Case No: 32243
DAS No:
SDG No: E2DP7

L

Date Shipped:	10/9/2003
Carrier Name:	FedEx
Airbill:	839166491092
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]	10/8/03 1200	Elizabeth Astring	10/10/03 10:00
2	EA		
3		10/10/03	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	L/1
Transfer To:	EA
Lab Contract No:	10/10/03
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
E2DQ1	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216519 (Ice Only), 5216520 (Ice Only), 5216521 (Ice Only), 5216522 (Ice Only), 5216523 (HCL), 5216524 (HCL) (6)	GW08	S: 10/8/2003 11:50	ME2DQ1	
E2DQ2	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216526 (Ice Only), 5216527 (Ice Only), 5216528 (Ice Only), 5216529 (Ice Only), 5216530 (HCL), 5216531 (HCL) (6)	GW09	S: 10/8/2003 12:30	ME2DQ2	
E2DQ3	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216533 (Ice Only), 5216534 (Ice Only), 5216535 (Ice Only), 5216536 (Ice Only), 5216537 (HCL), 5216538 (HCL) (6)	GW010	S: 10/8/2003 14:00	ME2DQ3	
E2DR1	Field QC/ Karen Kirchner	L/G	VOA (7)	5216571 (HCL), 5216572 (HCL) (2)	Trip Blank 3	S: 10/9/2003 9:00		

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt EA 10/10/03	Chain of Custody Seal Number: 88302, 88303
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

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TR Number: 5-515281857-100903-0006

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: 32243
DAS No:
SDG No: E2DP7

L

Date Shipped:	10/9/2003
Carrier Name:	FedEx
Airbill:	839166491107
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 K Kirchner	10/9/03 1200	Elizabeth Astuing	10/10/03 10:00
2 EA			
3		10/10/03	
4			

Sampler Signature: Karen Kirchner

For Lab Use Only

Lab Contract No: 68W03018
Unit Price: L/1
Transfer To: EA 10/10/03
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
E2DQ5	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216549 (Ice Only), 5216550 (Ice Only), 5216551 (Ice Only), 5216552 (Ice Only), 5216553 (HCL), 5216554 (HCL) (6)	GW02	S: 10/8/2003 14:30	ME2DQ5	
E2DQ9	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216560 (Ice Only), 5216561 (Ice Only), 5216562 (HCL), 5216563 (HCL) (4)	GW01	S: 10/8/2003 17:15	ME2DQ9	
E2DR0	Field QC/ Chad Gibson	L/G	BNA (7), PEST (7), VOA (7)	5216565 (Ice Only), 5216566 (Ice Only), 5216567 (Ice Only), 5216568 (Ice Only), 5216569 (HCL), 5216570 (HCL) (6)	ER 1	S: 10/8/2003 17:10	ME2DR0	
E2DR2	Field QC/ Karen Kirchner	L/G	VOA (7)	5216573 (HCL), 5216574 (HCL) (2)	Trip Blank 4	S: 10/9/2003 9:01		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt EA 10/10/03	Chain of Custody Seal Number: 83058,83059
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: 5-515281857-100903-0005

LABORATORY COPY

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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: 32243
DAS No:
SDG No: E2DP7

L

Date Shipped:	10/8/2003
Carrier Name:	FedEx
Airbill:	841513029141
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: Karen Kirchner

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Karen Kirchner	10/8/03 1730	Elizabeth Astring	10/9/03 10:00
2 EA			
3		10/9/03	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	L / 1
Transfer To:	EA
Lab Contract No:	10/9/03
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
E2DP7	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216482 (Ice Only), 5216483 (Ice Only), 5216484 (Ice Only), 5216485 (Ice Only), 5216486 (HCL), 5216487 (HCL) (6)	GW06	S: 10/8/2003	10:25	ME2DP7	
E2DP8	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216491 (Ice Only), 5216492 (Ice Only), 5216493 (Ice Only), 5216494 (Ice Only), 5216495 (HCL), 5216496 (HCL) (6)	GW06D	S: 10/8/2003	10:25	ME2DP8	
E2DQ6	Field QC/ Karen Kirchner	L/G	VOA (7)	5216555 (HCL), 5216556 (HCL) (2)	Trip Blank 1	S: 10/8/2003	16:25		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: E2DQ6	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt 6°C	Chain of Custody Seal Number: 83047, 83046
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: 5-515281857-100803-0001

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

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

Case No: 32243
DAS No: P7
SDG No: E2DQ0 EA 10/9/03 L

Date Shipped:	10/8/2003
Carrier Name:	FedEx
Airbill:	841513028969
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature: Karen Kirchner

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Karen Kirchner	10/8/03 1830	Elizabeth Astrug	10/9/03 10:00
2 EA			
3		10/9/03	
4			

For Lab Use Only

Lab Contract No:	68W03018
Unit Price:	L/1
Transfer To:	EA 10/9/03
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
E2DQ0	Ground Water/ Chad Gibson	M/G	BNA (7), PEST (7), VOA (7)	5216500 (Ice Only), 5216501 (Ice Only), 5216502 (Ice Only), 5216503 (Ice Only), 5216504 (Ice Only), 5216505 (Ice Only), 5216506 (Ice Only), 5216507 (Ice Only), 5216508 (Ice Only), 5216509 (Ice Only), 5216510 (Ice Only), 5216511 (Ice Only), 5216512 (HCL), 5216513 (HCL), 5216514 (HCL), 5216515 (HCL), 5216516 (HCL), 5216517 (HCL) (18)	GW07	S: 10/8/2003 11:15	ME2DQ0	
E2DQ8	Field QC/ Karen Kirchner	L/G	VOA (7)	5216557 (HCL), 5216558 (HCL) (2)	Trip Blank 2	S: 10/8/2003 17:55		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: E2DQ0 (MS/MSD)	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt 5°C	Chain of Custody Seal Number: 83050, 83051
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: 5-515281857-100803-0003

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. 32243, SDG No. E2DP7, Contract No. 68-W-03-018. Under this SDG there are 15 VOA, 10 SVOA and 10 PEST/PCB analyses for 13 water samples received at Ceimic Corporation on October 9 and 10, 2003.

EPA ID:	CEIMIC ID:	Analysis
E2DQ0	031428-01	VOA, SVOA, PEST/PCB
E2DQ0MS	031428-01MS	VOA, SVOA, PEST/PCB
E2DQ0MSD	031428-01MSD	VOA, SVOA, PEST/PCB
E2DQ8	031428-02	VOA
E2DP7	031428-03	VOA, SVOA, PEST/PCB
E2DP8	031428-04	VOA, SVOA, PEST/PCB
E2DQ6	031428-05	VOA
E2DQ5	031428-06	VOA, SVOA, PEST/PCB
E2DQ9	031428-07	VOA
E2DR0	031428-08	VOA, SVOA, PEST/PCB
E2DR2	031428-09	VOA
E2DQ1	031428-10	VOA, SVOA, PEST/PCB
E2DQ2	031428-11	VOA, SVOA, PEST/PCB
E2DQ3	031428-12	VOA, SVOA, PEST/PCB
E2DR1	031428-13	VOA

Sample Receipt

Cooler Temperatures upon receipt were 5°C and 6°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS16 HP5972 GC/MS, 30m, 0.32mm ID, 1.8 um, DB-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS9 HP5890SeriesII GC, HP5970BMS,30 m,25 mm ID, ZB-5 fused silica capillary column
MS11 HP6890 GC, HP5973MS,30 m,25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD6: HP5890II (GC8) using 30m x .053mm ID, DB5 megabore column
AD7: HP5890II (GC8) using 30m x .053mm ID, DB35 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letters "M" for GC/MS and "FF" for GC are 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:
E2DP7	031428-03	2
E2DP8	031428-04	2
E2DQ0	031428-01	1
E2DQ1	031428-10	1
E2DQ2	031428-11	1
E2DQ3	031428-12	1
E2DQ5	031428-06	1
E2DQ6	031428-05	1
E2DQ8	031428-02	2
E2DQ9	031428-07	6
E2DR0	031428-08	1
E2DR1	031428-13	1
E2DR2	031428-09	1

E2DQ9 was not properly preserved, as its pH value exceeded 2. However, the sample was analyzed within the technical holding time.

B. SVOA Fraction (Method CLP SOW OLM04.3)

Aqueous Sample Reference Table:

Client ID	Ceimic ID
E2DP7	031428-03

E2DP8	031428-04
E2DQ0	031428-01
E2DQ1	031428-10
E2DQ2	031428-11
E2DQ3	031428-12
E2DQ5	031428-06
E2DR0	031428-08

Only 100 mL of aqueous sample was received for E2DQ9. The Agency was contacted and requested Ceimic to cancel this sample. The quantitation ion for bis-(2-chloroethyl)ether was changed to the secondary ion 63, rather than the primary ion 93, because there is interference with the ion 93 from aniline, which is present in the standard mix. One base surrogate failed quality control criteria in E2DP7, E2DP8, E2DQ0, E2DQ5, and the matrix spike duplicates.

C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

All samples were extracted and analyzed within their respective holding times.

The following Surrogate recoveries were outside the QC limits:

Sample	**% TCX 1**	**% TCX 2**	**% DCB 1**	**% DCB 2**
E2DP8	26	25		

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
Laboratory Manager

10/16/03

Date

ALKANE NARRATIVE REPORT
Report date : 10/14/2003
SDG: E2DP7

Client Sample ID: VBLKPA Lab Sample ID: V161009-B1 File ID: P9845

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.79	16	J

Client Sample ID: E2DQ0 Lab Sample ID: 031428-01 File ID: P9847

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.79	15	JB

Client Sample ID: E2DQ8 Lab Sample ID: 031428-02 File ID: P9850

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.79	18	JB

Client Sample ID: E2DP7 Lab Sample ID: 031428-03 File ID: P9851

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.80	18	JB

Client Sample ID: E2DP8 Lab Sample ID: 031428-04 File ID: P9852

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.79	16	JB

Client Sample ID: E2DQ6 Lab Sample ID: 031428-05 File ID: P9853

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.79	18	JB

Client Sample ID: VBLKPC Lab Sample ID: V161011-B1 File ID: P9886

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.79	9	J

Client Sample ID: E2DQ5 Lab Sample ID: 031428-06 File ID: P9893

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.80	15	JB

Client Sample ID: E2DQ9 Lab Sample ID: 031428-07 File ID: P9894

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.80	13	JB

Client Sample ID: E2DR0 Lab Sample ID: 031428-08 File ID: P9895

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.81	13	JB

Client Sample ID: E2DR2 Lab Sample ID: 031428-09 File ID: P9896

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.80	12	JB

Client Sample ID: E2DQ1 Lab Sample ID: 031428-10 File ID: P9897

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.80	13	JB

Client Sample ID: E2DQ2 Lab Sample ID: 031428-11 File ID: P9898

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.81	13	JB

Client Sample ID: E2DQ3 Lab Sample ID: 031428-12 File ID: P9899

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.81	13	JB

Client Sample ID: E2DR1 Lab Sample ID: 031428-13 File ID: P9900

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.80	14	JB
Straight-chain Alkane	24.50	10	J
Straight-chain Alkane	26.46	12	J

Client Sample ID: VBLKPD Lab Sample ID: V161013-B1 File ID: P9906

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	6.82	9	J

Client Sample ID: VHBLK01 Lab Sample ID: 031428-21 File ID: P9909

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	6.83	9	JB

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKPA	100	98	106		0
02	E2DQ0	100	98	106		0
03	E2DQ0MS	100	98	106		0
04	E2DQ0MSD	100	98	106		0
05	E2DQ8	102	98	106		0
06	E2DP7	102	98	108		0
07	E2DP8	102	98	108		0
08	E2DQ6	100	98	108		0
09	VBLKPC	100	100	102		0
10	E2DQ5	102	100	106		0
11	E2DQ9	102	102	108		0
12	E2DR0	104	98	106		0
13	E2DR2	102	98	106		0
14	E2DQ1	102	98	108		0
15	E2DQ2	104	98	108		0
16	E2DQ3	104	100	108		0
17	E2DR1	102	98	110		0
18	VBLKPD	102	96	106		0
19	VHBLK01	102	98	108		0
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		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: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix Spike - EPA Sample No.: E2DQ0

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	35	70	61-145
Trichloroethene	50	0.0	49	98	71-120
Benzene	50	0.0	49	98	76-127
Toluene	50	1	51	100	76-125
Chlorobenzene	50	0.0	53	106	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	36	72	3	14	61-145
Trichloroethene	50	50	100	2	14	71-120
Benzene	50	51	102	4	11	76-127
Toluene	50	52	102	2	13	76-125
Chlorobenzene	50	54	108	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.

VBLKPA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Lab File ID: P9845 Lab Sample ID: V161009-B1

Date Analyzed: 10/09/03 Time Analyzed: 1043

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS16

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2DQ0	031428-01	P9847	1153
02	E2DQ0MS	031428-01MS	P9848	1228
03	E2DQ0MSD	031428-01MSD	P9849	1302
04	E2DQ8	031428-02	P9850	1337
05	E2DP7	031428-03	P9851	1412
06	E2DP8	031428-04	P9852	1447
07	E2DQ6	031428-05	P9853	1521
08				
09				
10				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKPC

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Lab File ID: P9886 Lab Sample ID: V161011-B1

Date Analyzed: 10/11/03 Time Analyzed: 1054

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS16

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2DQ5	031428-06	P9893	1506
02	E2DQ9	031428-07	P9894	1541
03	E2DR0	031428-08	P9895	1615
04	E2DR2	031428-09	P9896	1650
05	E2DQ1	031428-10	P9897	1725
06	E2DQ2	031428-11	P9898	1759
07	E2DQ3	031428-12	P9899	1834
08	E2DR1	031428-13	P9900	1908
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKPD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Lab File ID: P9906 Lab Sample ID: V161013-B1

Date Analyzed: 10/13/03 Time Analyzed: 0946

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS16

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	031428-21	P9909	1149
02				
03				
04				
05				
06				
07				
08				
09				
10				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9851

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	37	~~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.

E2DP7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9851

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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

E2DP7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9851

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.55	12	J
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9852

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	23	~~B~~ UL
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.

E2DP8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9852

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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.

E2DP8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9852

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.56	6	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9847

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	5	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	15	~~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.

E2DQ0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9847

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DQ0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9847

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.55	7	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ0MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9848

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	35	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	15	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

11-3 03

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ0MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9848

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	49	
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	51	
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	53	
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.

E2DQ0MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9849

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	36	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	35	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	51	
107-06-2	1,2-Dichloroethane	10	U

11-3-03

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ0MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9849

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	50	
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	52	
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	54	
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.

E2DQ1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9897

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	20	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	51	~~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.

E2DQ1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9897

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	
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.

E2DQ1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9897

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.55	25	J
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9898

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	17	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	49	~~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.

E2DQ2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9898

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	6	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)	1	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	1	J
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.

E2DQ2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9898

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.55	19	J
2. 496-11-7	INDANE	21.04	150	NJ
3.	C4-BENZENE ISOMER	21.91	6	J
4.	C4-BENZENE ISOMER	23.07	9	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9899

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	15	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	46	~~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.

E2DQ3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9899

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	8	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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DQ3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9899

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.55	19	J
2. 112-31-2	DECANAL	23.89	6	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9893

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	17	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	62	~~B~~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.

E2DQ5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9893

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	6	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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2DQ5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9893

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.54	12	J
2. 496-11-7	INDANE	21.04	11	NJ
3. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	23.09	5	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ6

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9853

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	8	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	26	~~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.

E2DQ6

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9853

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	3	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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DQ6

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9853

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.56	18	J
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9850

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	7	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	27	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	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9850

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	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	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.

E2DQ8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9850

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: not dec. _____ Date Analyzed: 10/09/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-78-6	ETHYL ACETATE	8.57	17	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9894

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	42	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	51	~~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	2	J
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9894

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	5	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	160	
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	120	
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.

E2DQ9

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9894

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.53	8	J
2.	UNKNOWN	8.55	6	J
3. 95-49-8	BENZENE, 1-CHLORO-2-METHYL-	19.32	10	NJ
4. 95-49-8	BENZENE, 1-CHLORO-2-METHYL-	19.52	8	NJ
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DR0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9895

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	12	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	46	~~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.

E2DR0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9895

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	1	J
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.

E2DR0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9895

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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
1.				
2.				
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DR1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-13

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9900

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	18	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	53	~~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.

E2DR1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-13

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9900

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	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	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.

E2DR1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-13

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9900

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.56	10	J
2.				
3.				
4.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DR2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9896

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	22	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	46	~~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.

E2DR2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9896

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	11	
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

E2DR2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9896

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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
1.				
2.				
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161009-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9845

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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	
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161009-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9845

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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.

VBLKPA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161009-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9845

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/09/03

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
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPC

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161011-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9886

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKPC

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161011-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9886

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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.

VBLKPC

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161011-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9886

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/11/03

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.

VBLKPD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161013-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9906

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

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	1	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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKPD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161013-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9906

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

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.

VBLKPD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: V161013-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9906

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

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.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9909

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

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	5	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	19	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.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9909

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

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

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: P9909

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/13/03

GC Column: RTX-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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	18.94	13	NJ
2.	UNKNOWN	21.77	12	J
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2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKIA	60	64	52	57	52	72	57	52	0
02	E2DQ0	60	62	22*	56	51	68	55	54	1
03	E2DQ0MS	60	60	18*	52	51	67	55	54	1
04	E2DQ0MSD	62	66	26*	56	55	72	57	60	1
05	E2DP7	58	60	20*	53	47	73	53	52	1
06	E2DP8	54	60	26*	51	47	69	51	48	1
07	SBLKKI	58	58	48	52	51	57	55	44	0
08	E2DQ5	52	54	18*	45	45	67	47	42	1
09	E2DR0	82	84	80	79	76	93	79	70	0
10	E2DQ1	84	82	66	79	77	95	80	68	0
11	E2DQ2	80	76	50	72	73	95	75	64	0
12	E2DQ3	74	74	44	75	72	95	73	64	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.: 32243 SAS No.: SDG No.: E2DP7

Matrix Spike - EPA Sample No.: E2DQ0

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0.0	37	49	12-110
2-Chlorophenol	75	0.0	39	52	27-123
N-Nitroso-di-n-prop.(1)	50	0.0	28	56	41-116
4-Chloro-3-Methylphenol	75	0.0	46	61	23- 97
Acenaphthene	50	0.0	31	62	46-118
4-Nitrophenol	75	0.0	50	67	10- 80
2,4-Dinitrotoluene	50	0.0	34	68	24- 96
Pentachlorophenol	75	0.0	68	91	9-103
Pyrene	50	0.0	27	54	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	39	52	6	42	12-110
2-Chlorophenol	75	42	56	7	40	27-123
N-Nitroso-di-n-prop.(1)	50	31	62	10	38	41-116
4-Chloro-3-Methylphenol	75	47	63	3	42	23- 97
Acenaphthene	50	32	64	3	31	46-118
4-Nitrophenol	75	57	76	13	50	10- 80
2,4-Dinitrotoluene	50	37	74	8	38	24- 96
Pentachlorophenol	75	77	103	12	50	9-103
Pyrene	50	35	70	26	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: 0 out of 18 outside limits

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKIA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Lab File ID: II309 Lab Sample ID: S1009-B1I

Instrument ID: MS9 Date Extracted: 10/09/03

Matrix: (soil/water) WATER Date Analyzed: 10/10/03

Level:(low/med) LOW Time Analyzed: 1321

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2DQ0	031428-01	II310	10/10/03
02	E2DQ0MS	031428-01MS	II311	10/10/03
03	E2DQ0MSD	031428-01MSD	II312	10/10/03
04	E2DP7	031428-03	II313	10/10/03
05	E2DP8	031428-04	II314	10/10/03
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COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKKI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Lab File ID: K5613 Lab Sample ID: S1011-B3K

Instrument ID: MS11 Date Extracted: 10/11/03

Matrix: (soil/water) WATER Date Analyzed: 10/12/03

Level:(low/med) LOW Time Analyzed: 1214

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2DQ5	031428-06	K5619	10/12/03
02	E2DR0	031428-08	K5621	10/12/03
03	E2DQ1	031428-10	K5622	10/12/03
04	E2DQ2	031428-11	K5623	10/12/03
05	E2DQ3	031428-12	K5624	10/12/03
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COMMENTS:

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II313

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II313

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	2	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DP7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II313

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 5717-37-3	(CARBETHOXYETHYLIDINE)TRIPHE	12.75	2	NJBU
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II314

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DP8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II314

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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

EPA SAMPLE NO.

E2DP8

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II314

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

E2DQ0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II310

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

E2DQ0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II310

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	2	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

EPA SAMPLE NO.

E2DQ0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II310

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

E2DQ0MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II311

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	37	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	39	
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	28	
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	46	
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	31	

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DQ0MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II311

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	50	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	34	
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	27	
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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DQ0MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II312

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	39	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	42	
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	31	
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	47	
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	32	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ0MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II312

Level: (low/med) LOW Date Received: 10/09/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	57	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	37	
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	77	
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	1	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DQ1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5622

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DQ1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5622

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

E2DQ1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5622

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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. 934-34-9	2(3H)-BENZOTHIAZOLONE	8.42	4	NJ
2.				
3.				
4.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5623

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	21	
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	8	J
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	52	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5623

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	4	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	21	
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	5	J
120-12-7	Anthracene	1	J
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	3	J
129-00-0	Pyrene	1	J
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

E2DQ2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5623

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Extraction: (Type) CONT

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 496-11-7	INDANE	4.89	81	NJ
2. 90-12-0	NAPHTHALENE, 1-METHYL-	6.49	6	NJ
3. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	7.10	2	NJ
4. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	7.20	4	NJ
5. 613-46-7	2-NAPHTHALENECARBONITRILE	7.66	5	NJ
6.	UNKNOWN PAH	8.22	5	J
7. 934-34-9	2(3H)-BENZOTHIAZOLONE	8.42	3	NJ
8.	UNKNOWN PAH	8.49	5	J
9.	UNKNOWN PAH	8.89	3	J
10.	UNKNOWN	9.90	2	J
11. 4269-15-2	4-AMINO-9-FLUORENONE	10.41	4	NJ
12. 5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	12.03	4	NJ
13.				
14.				
15.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5624

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

E2DQ3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5624

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	2	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E2DQ3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5624

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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. 3790-71-4	2,6,10-DODECATRIEN-1-OL, 3,7	11.96	3	NJ
2.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5619

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	2	J
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	1	J
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	16	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E2DQ5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5619

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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	3	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	6	J
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	1	J
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

E2DQ5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5619

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.	UNKNOWN PAH	8.48	2	J
2.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DR0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5621

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

E2DR0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5621

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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

E2DR0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5621

Level: (low/med) LOW Date Received: 10/10/03

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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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1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKIA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: S1009-B1I

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II309

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKIA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: S1009-B1I

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II309

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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

SBLKIA

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: S1009-B1I

Sample wt/vol: 1000 (g/mL) ML Lab File ID: II309

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/09/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/10/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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. 5717-37-3	(CARBETHOXYETHYLIDINE)TRIPHE	12.81	5	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKKI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: S1011-B3K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5613

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

SBLKKI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: S1011-B3K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5613

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.

SBLKKI

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: S1011-B3K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K5613

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:10/11/03

Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/12/03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 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.				
3.				
4.				
5.				
6.				
7.				
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29.				
30.				

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

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	80	80	90	100			0
02	E2DQ0	75	75	75	80			0
03	E2DQ0MS	80	85	80	90			0
04	E2DQ0MSD	80	80	75	80			0
05	E2DP7	70	70	50	55			0
06	E2DP8	26*	25*	45	47			2
07	PBLK02	80	80	95	105			0
08	E2DQ5	75	75	65	70			0
09	E2DR0	75	75	100	110			0
10	E2DQ1	70	65	60	65			0
11	E2DQ2	65	70	80	80			0
12	E2DQ3	70	70	60	65			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.: 32243 SAS No.: SDG No.: E2DP7

Matrix Spike - EPA Sample No.: E2DQ0

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	0.33	66	56-123
Heptachlor	0.50	0.00	0.32	64	40-131
Aldrin	0.50	0.00	0.38	76	40-120
Dieldrin	1.0	0.00	0.82	82	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	0.33	66	0	15	56-123
Heptachlor	0.50	0.32	64	0	20	40-131
Aldrin	0.50	0.38	76	0	22	40-120
Dieldrin	1.0	0.81	81	1	18	52-126
Endrin	1.0	0.90	90	1	21	56-121
4,4'-DDT	1.0	0.71	71	1	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.: 32243 SAS No.: SDG No.: E2DP7

Lab Sample ID: P1009-B2 Lab File ID: _____

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 10/09/03

Date Analyzed (1): 10/09/03 Date Analyzed (2): 10/09/03

Time Analyzed (1): 1755 Time Analyzed (2): 1755

Instrument ID (1): GC8 Instrument ID (2): GC8

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	E2DQ0	031428-01	10/09/03	10/09/03
02	E2DQ0MS	031428-01MS	10/09/03	10/09/03
03	E2DQ0MSD	031428-01MSD	10/09/03	10/09/03
04	E2DP7	031428-03	10/09/03	10/09/03
05	E2DP8	031428-04	10/09/03	10/09/03
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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22				
23				
24				
25				
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.: 32243 SAS No.: SDG No.: E2DP7

Lab Sample ID: P1013-B1 Lab File ID: _____

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 10/13/03

Date Analyzed (1): 10/13/03 Date Analyzed (2): 10/13/03

Time Analyzed (1): 1658 Time Analyzed (2): 1658

Instrument ID (1): GC8 Instrument ID (2): GC8

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	E2DQ5	031428-06	10/13/03	10/13/03
02	E2DR0	031428-08	10/13/03	10/13/03
03	E2DQ1	031428-10	10/13/03	10/13/03
04	E2DQ2	031428-11	10/13/03	10/13/03
05	E2DQ3	031428-12	10/13/03	10/13/03
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
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22				
23				
24				
25				
26				

COMMENTS: _____

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DP7

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/09/03

Extraction: (Type) SEPF Date Extracted: 10/09/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/09/03

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.

E2DP8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/09/03

Extraction: (Type) SEPF Date Extracted: 10/09/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/09/03

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 J
319-85-7	beta-BHC	0.050	U J
319-86-8	delta-BHC	0.050	U J
58-89-9	gamma-BHC (Lindane)	0.050	U J
76-44-8	Heptachlor	0.050	U J
309-00-2	Aldrin	0.050	U J
1024-57-3	Heptachlor epoxide	0.050	U J
959-98-8	Endosulfan I	0.050	U J
60-57-1	Dieldrin	0.10	U J
72-55-9	4,4'-DDE	0.10	U J
72-20-8	Endrin	0.10	U J
33213-65-9	Endosulfan II	0.10	U J
72-54-8	4,4'-DDD	0.10	U J
1031-07-8	Endosulfan sulfate	0.10	U J
50-29-3	4,4'-DDT	0.10	U J
72-43-5	Methoxychlor	0.50	U J
53494-70-5	Endrin ketone	0.10	U J
7421-93-4	Endrin aldehyde	0.10	U J
5103-71-9	alpha-Chlordane	0.050	U J
5103-74-2	gamma-Chlordane	0.050	U J
8001-35-2	Toxaphene	5.0	U J
12674-11-2	Aroclor-1016	1.0	U J
11104-28-2	Aroclor-1221	2.0	U J
11141-16-5	Aroclor-1232	1.0	U J
53469-21-9	Aroclor-1242	1.0	U J
12672-29-6	Aroclor-1248	1.0	U J
11097-69-1	Aroclor-1254	1.0	U J
11096-82-5	Aroclor-1260	1.0	U J

JB 1/4/04

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2DQ0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/09/03

Extraction: (Type) SEPF Date Extracted: 10/09/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/09/03

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.

E2DQ0MS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/09/03

Extraction: (Type) SEPF Date Extracted: 10/09/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/09/03

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)	0.33	
76-44-8	Heptachlor	0.32	
309-00-2	Aldrin	0.38	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.82	
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.

E2DQ0MSD

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-01MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/09/03

Extraction: (Type) SEPF Date Extracted: 10/09/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/09/03

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)	0.33	
76-44-8	Heptachlor	0.32	
309-00-2	Aldrin	0.38	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.81	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.90	
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	0.71	
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.

E2DQ1

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/10/03

Extraction: (Type) SEPF Date Extracted: 10/13/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/03

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.

E2DQ2

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/10/03

Extraction: (Type) SEPF Date Extracted: 10/13/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/03

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.

E2DQ3

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/10/03

Extraction: (Type) SEPF Date Extracted: 10/13/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/03

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.

E2DQ5

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/10/03

Extraction: (Type) SEPF Date Extracted: 10/13/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/03

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.

E2DR0

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: 031428-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 10/10/03

Extraction: (Type) SEPF Date Extracted: 10/13/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/03

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.

PBLK01

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: P1009-B2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 10/09/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/09/03

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.

PBLK02

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 32243 SAS No.: SDG No.: E2DP7

Matrix: (soil/water) WATER Lab Sample ID: P1013-B1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 10/13/03

Concentrated Extract Volume: 10000(uL) Date Analyzed: 10/13/03

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: E2DP7 CERCLIS No: ILD980 792006

Case No: 32243 Site Name/Location: SAUGET SITE N

Contractor or EPA Lab: CEMIC Data User: TETRA TECH

No. of Samples: 13 Date Sampled or Date Received: 10-17-03

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: 10-17-03

Received by LSSS: Ena M. Dixon/ESAT Date: 10-17-03

Review started: 10/30/03 Reviewer Signature: 11/03/03

Total time spent on review: 14 Date review completed: 11/03/03

Copied by: Ena M. Dixon/ESAT Date: 11-4-03

Mailed to user by: Ena M. Dixon/ESAT Date: 11-4-03

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: ____