EPA Region 5 Records Ctr.
200501

LPC# 0430305282--DuPage County
Downers Grove/Ellsworth Industrial Park
ILN 000508246
SF/HRS

Volume 4 of 5

CERCLA

Analytical Results

Illinois Environmental
Protection Agency

APPENDIX – G

DATE: March 1, 2002

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

Attn: Bob Casper

SITE NAME: Ellsworth Industrial Park

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
30212	A4 Scientific	7	E00M1	Water

==========

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

MAR 8 - 2002

MAR 01 2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: February 28, 2002

SUBJECT: Electronic (**Level 2**) Review of Data

Received for Review on February 22, 2002

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

TO: Data User: IEPA

The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.

SITE NAME: Ellsworth Industrial Park (IL)

CASE NUMBER: 30212 SDG NUMBER: E00M1

Number and Type of Samples: 7 (water)

Sample Numbers: E00M1-7

Laboratory: A4 Scientific Hrs. for Review:

Following are our findings:

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

MAR 01 2002

Case Number :30212 **SDG Number:E00M1**
Site Name: Ellsworth Industrial Park (IL) **Laboratory:A4 Scientific**

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

Seven (7) water samples, numbered *E00M1* through *E00M7*, were collected on *February 12 thru 14, 2002*. The lab received the samples on *February 14 and 15, 2002* in good condition. All samples were analyzed only for volatile organic analytes. All were analyzed according to CLP SOW *OLM03.2* 5/99.

Case Number :30212
Site Name: Ellsworth Industrial Park (IL)

SDG Number:E00M1
Laboratory:A4 Scientific

1. HOLDING TIME

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No defects found

3. CALIBRATION

DC-5 The following volatile samples are associated with a continuing calibration whose corr esponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

Methyl Acetate
E00M1, E00M2, E00M2MS, E00M2MSD, E00M3, E00M4, E00M5, E00M6, E00M7, VBLK71, VBLK72, VBLK74, VHBLK01

DC-7 The following volatile samples are associated with a continuing calibration whose corr esponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methylene Chloride
E00M1, E00M2, E00M2MS, E00M2MSD, E00M3, E00M4, E00M5, E00M6, E00M7, VBLK71, VBLK72, VBLK74, VHBLK01

DC-8 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".

Methylene Chloride
E00M4, E00M5, E00M6, E00M7, VBLK74, VHBLK01

Methylcyclohexane
E00M1, E00M2, E00M3, VBLK71

Styrene
E00M1, E00M2, E00M3, VBLK71

Isopropylbenzene
E00M1, E00M2, E00M3, VBLK71

DC-9 The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

Methyl Acetate
E00M1, E00M2, E00M2MS, E00M2MSD, E00M3, E00M4, E00M5, E00M6, E00M7, VBLK71, VBLK72, VBLK74, VHBLK01

4. BLANKS

No defects found

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

Case Number :30212 **SDG Number:E00M1**
Site Name: Ellsworth Industrial Park (IL) **Laboratory:A4 Scientific**

DC-3 The following volatile samples have DMC recoveries above the upper limit of the criteria window. Hits are qualified "J" and non-detects are not flagged.

E00M3

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No defects found

7. FIELD BLANK AND FIELD DUPLICATE

Sample *E00M7* is a field blank. Sample *E00M6* is a trip blank. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

No defects found

9. COMPOUND IDENTIFICATION

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

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

DC-1 The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E00M1
Methylene Chloride, 1,1,1-Trichloroethane

E00M2
Methylene Chloride

E00M3
Methylene Chloride, 1,1,1-Trichloroethane, Toluene

E00M4
Tetrachloroethene

E00M5
Tetrachloroethene

VBLK74
1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

None.

Level 2 - Assembled By: Richard Baltrus/IITRI-ESAT
Date: February 28, 2002

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

Analytical Results (Qualified Data)

Case #: 30212 SDG : E00M1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
ate :

Number of Soil Samples . 0
Number of Water Samples . 7

Sample Number :	E00M1		E00M2		E00M2MS		E00M2MSD		E00M3	
Sampling Location :	G101		G102		G102		G102		G103	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	2/12/2002		2/12/2002		2/12/2002		2/12/2002		2/13/2002	
Time Sampled :	11:40		15:40		15:40		15:40		11:20	
%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	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	4		4		0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.2	J	0.2	J	0.7	J	0.8	J	0.3	J
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.7	J
.s-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.2	J	0.5	U	0.5	U	0.5	U	0.4	J
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	4		5		0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	0.5	U	0.5	U	5		5		0.5	U
Methylcyclohexane	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	UJ
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.5	U	0.5	U	5		5		0.2	J
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

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Analytical Results (Qualified Data)

Case #: 30212 SDG : E00M1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
Date :

Sample Number :	E00M1		E00M2		E00M2MS		E00M2MSD		E00M3	
Sampling Location :	G101		G102		G102		G102		G103	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	2/12/2002		2/12/2002		2/12/2002		2/12/2002		2/13/2002	
Time Sampled :	11:40		15:40		15:40		15:40		11:20	
%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
Tetrachloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	6		6		0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes (total)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	UJ
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	UJ
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Analytical Results (Qualified Data)

Case #: 30212 SDG : E00M1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
Date :

Sample Number :	E00M4		E00M5		E00M6		E00M7		VBLK71	
Sampling Location :	G105		G155		TRIP BLANK		FIELD BLANK			
Matrix	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	2/14/2002		2/14/2002		2/14/2002		2/14/2002			
Time Sampled :	11:30		11:30		11:50		11:50			
%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	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorometnane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroetnane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
is-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.8		0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.5	U	0.5	U	0.5	U	2		0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

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Analytical Results (Qualified Data)

Case #: 30212 SDG : E00M1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
ate :

Sample Number :	E00M4		E00M5		E00M6		E00M7		VBLK71	
Sampling Location :	G105		G155		TRIP BLANK		FIELD BLANK			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	2/14/2002		2/14/2002		2/14/2002		2/14/2002			
Time Sampled :	11:30		11:30		11:50		11:50			
%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
Tetrachloroethene	0.3	J	0.3	J	0.5	U	0.5	U	0.5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes (total)	0.5	U	0.5	U	0.5	U	0.9		0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Analytical Results (Qualified Data)

Case #: 30212 SDG : E00M1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
ate :

Sample Number :	VBLK72		VBLK74		VHBLK01					
Sampling Location :										
Matrix :	Water		Water		Water					
Units :	ug/L		ug/L		ug/L					
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A					
pH :										
Dilution Factor :	1.0		1.0		1.0					
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U				
Chloromethane	0.5	U	0.5	U	0.5	U				
Vinyl Chloride	0.5	U	0.5	U	0.5	U				
Bromomethane	0.5	U	0.5	U	0.5	U				
Chloroethane	0.5	U	0.5	U	0.5	U				
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U				
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U				
Acetone	5	U	5	U	5	U				
Carbon Disulfide	0.5	U	0.5	U	0.5	U				
Methyl Acetate	0.5	R	0.5	R	0.5	R				
Methylene Chloride	0.5	UJ	0.5	UJ	0.5	UJ				
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U				
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U				
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U				
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U				
2-Butanone	5	U	5	U	5	U				
Bromochloromethane	0.5	U	0.5	U	0.5	U				
Chloroform	0.5	U	0.5	U	0.5	U				
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U				
Cyclohexane	0.5	U	0.5	U	0.5	U				
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U				
Benzene	0.5	U	0.5	U	0.5	U				
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U				
Trichloroethene	0.5	U	0.5	U	0.5	U				
Methylcyclohexane	0.5	U	0.5	U	0.5	U				
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U				
Bromodichloromethane	0.5	U	0.5	U	0.5	U				
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U				
4-Methyl-2-pentanone	5	U	5	U	5	U				
Toluene	0.5	U	0.5	U	0.5	U				
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U				
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U				

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 30212 SDG : E00M1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
ate :

Sample Number :	VBLK72		VBLK74		VHBLK01					
Sampling Location :										
Matrix :	Water		Water		Water					
Units :	ug/L		ug/L		ug/L					
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A		N/A					
pH :										
Dilution Factor :	1.0		1.0		1.0					
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.5	U	0.5	U	0.5	U				
2-Hexanone	5	U	5	U	5	U				
Dibromochloromethane	0.5	U	0.5	U	0.5	U				
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U				
Chlorobenzene	0.5	U	0.5	U	0.5	U				
Ethylbenzene	0.5	U	0.5	U	0.5	U				
Xylenes (total)	0.5	U	0.5	U	0.5	U				
Styrene	0.5	U	0.5	U	0.5	U				
Bromoform	0.5	U	0.5	U	0.5	U				
Isopropylbenzene	0.5	U	0.5	U	0.5	U				
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U				
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U				
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U				
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U				
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U				
,2,4-Trichlorobenzene	0.5	U	0.3	J	0.5	U				
1,2,3-Trichlorobenzene	0.5	U	0.3	J	0.5	U				

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 2-22-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELLSWORTH INDUSTRIAL PARK (IL)

CASE NUMBER: 30212 SDG NUMBER: E00H1

Number and Type of Samples: 7 (WATER)

Sample Numbers: E00H1-7

Laboratory: A2L SCIENTIFIC Hrs for Review:

Following are our findings:

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

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: **E00M1**

Laboratory Name: **A4 Scientific, Inc.**

Laboratory Code: **A4**

Contract No.: **68W01038**

Case No.: **30212**

Analysis Price: **$ 460.00**

SDG Turnaround: **7 days**

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) E00M1	7) E00M7	13)	19)
2) E00M2	8)	14)	20)
3) E00M3	9)	15)	21)
4) E00M4	10)	16)	22)
5) E00M5	11)	17)	23)
6) E00M6	12)	18)	24)

E00M1	E00M7
First Sample in SDG	Last Sample in SDG
02/14/02	02/15/02
First Sample Receipt Date	Last Sample Receipt Date

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

Signature Smita Sheeri Date 02/17/02

SEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30212
DAS No:
SDG No: E00M1

L

Date Shipped: 2/14/02 Carrier Name: FedEx Airbill: 832620621158 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Date Received/Received by: Carlos Pinir 02/15/02 Lab Contract No: 68WD1038 Unit Price: $460.00 Transfer To: Date Received/Received By: 02/17 Lab Contract No: Price:	Sampler (Signature): Paul Mason		
		Relinquished By: Paul Mason	Date / Time: 2-14-02 14:00	Received By:
		Relinquished By:	Date / Time:	Received By:
		Relinquished By:	Date / Time:	Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00M4	Ground Water/ Paul Mason	L/G	VOA (21)	5100601 (HCL), 5100602 (HCL), 5100603 (HCL), 5100604 (HCL), 5100605 (HCL) (5)	G105	2/14/02 11:30		
E00M5	Ground Water/ Paul Mason	L/G	VOA (21)	5100606 (HCL), 5100607 (HCL), 5100608 (HCL), 5100609 (HCL), 5100610 (HCL) (5)	G155	2/14/02 11:30		
E00M6	Ground Water/ Paul Mason	L/G	VOA (21)	5100611 (HCL), 5100612 (HCL) (2)	Trip Blank	2/14/02 11:50		
E00M7	Ground Water/ Paul Mason	L/G	VOA (21)	5100613 (HCL), 5100614 (HCL), 5100615 (HCL), 5100616 (HCL), 5100617 (HCL) (5)	Field Blank	2/14/02 11:50		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3C	Chain of Custody Seal Number: 26010
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designat: Composite = C, Grab = G		Custody Seal Intact: Y / Shipment Iced: Y

CASE 30212 SDG E00M1

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30212
DAS No:
SDG No: E00M1

L

Date Shipped: 2/13/02	**Date Received/Received by:** Carlos Pina 2-14-02	**Sampler (Signature):**	
Carrier Name: FedEx	**Lab Contract No:** 68D00038 **Unit Price:** $160.00		
Airbill: 832620621169		**Relinquished By:**	**Date / Time:** 2-13-02 17:42 / **Received By:**
Shipped to: A4 Scientific, 1544 Sawdust Road Suite 505, The Woodlands TX 77380, (281) 292-5277	**Transfer To:** / **Date Received/Received By:** 02/17 / **Lab Contract No:** / **Price:**	**Relinquished By:**	**Date / Time:** / **Received By:**
		Relinquished By:	**Date / Time:** / **Received By:**

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00M1	Ground Water/ Paul Mason	L/G	VOA (21)	5100576 (HCL), 5100577 (HCL), 5100578 (HCL), 5100579 (HCL), 5100580 (HCL) (5)	G101	2/12/02 11:40		
E00M2	Ground Water/ Paul Mason	L/G	VOA (21)	5100581 (HCL), 5100582 (HCL), 5100583 (HCL), 5100584 (HCL), 5100585 (HCL), 5100586 (HCL), 5100587 (HCL), 5100588 (HCL), 5100589 (HCL), 5100590 (HCL), 5100591 (HCL), 5100592 (HCL), 5100593 (HCL), 5100594 (HCL), 5100595 (HCL) (15)	G102	2/12/02 15:40		
E00M3	Ground Water/ Paul Mason	L/G	VOA (21)	5100596 (HCL), 5100597 (HCL), 5100598 (HCL), 5100599 (HCL), 5100600 (HCL) (5)	G103	2/13/02 11:20		

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** E00M2	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:** 3C	**Chain of Custody Seal Number:** 21009
Analysis Key: VOA = CLP TCL Volatiles	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designat:** Composite = C, Grab = G		**Custody Seal Intact:** / **Shipment Iced**

CASE 30212 SDG E00M1

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: F-285846426-021302-0001

A4 SCIENTIFIC, INC.
1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

Contract #: 68W01038	Case #: 30212	SDG #: E00M1

SDG NARRATIVE

SAMPLE RECEIPT & LOGIN:

The following samples were received on the dates listed against them.

EPA SAMPLE #	LAB SAMPLE #	DATE /TIME RECEIVED	AIRBILL NO.	VOA	BNA	PEST	REMARKS
E00M1	1349.002	02/14/02 16:00	832620621169	x			
E00M2	1349.003	02/14/02 16:00	832620621169	x			MS/MSD
E00M3	1349.004	02/14/02 16:00	832620621169	x			
E00M4	1355.001	02/15/02 12:30	832620621158	x			
E00M5	1355.002	02/15/02 12:30	832620621158	x			
E00M6	1355.003	02/15/02 12:30	832620621158	x			
E00M7	1355.004	02/15/02 12:30	832620621158	x			

The cooler temperature was 3.0°C. This CASE was requested for 7-day TAT; on the TR/COC it was marked as 21-day TAT. The lab notified SMO about this issue and resolved that this case is for 7 day TAT. No other discrepancies or issues were noted during sample receipt and login.

VOLATILES:

All samples were analyzed on a HP5973 GC-MS using a 60-meter RTX-624 column having a 0.32mm ID and 1.8µm film thickness. An ENCON Purge and Trap with an Archon autosampler was used. The trap used was an OV-1/Tenax/Silica Gel/Charcoal (equivalent to Tekmar #5). A 25mL purge volume was used for all samples, blanks, and standards.

The pH of all samples was < 2 standard units.

MS/MSD was performed for the sample E00M2.

Manual integrations were performed for the following sample for the compound listed against them.

E00M1 – Xylene (total)

These manual integrations were necessary because the software failed to accurately integrate the entire peak. In all the above instances, the quantitation reports are flagged with "m". A hard copy printout of the manual integration, the scan ranges, and initials of the operator or manager is included in the data package.

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 hard copy data package has been authorized by the laboratory manager or his/her designee, as verified by the following signature:

Sunita Sheeri / QC Coordinator
Signature and Title

02/21/02
Date of Signature

Sumitra

From: "Brown, Jessica" <Jessica.Brown@dyncorp.com>
To: <sumitra@a4scientific.com>
Cc: <EPA4219@epa.state.il.us>; "Bob Casper (E-mail)" <epa4407@epa.state.il.us>; "Howard Pham (E-mail)" <pham.howard@epa.gov>
Sent: Tuesday, February 19, 2002 1:03 PM
Subject: Region 05 | Case 30212 | Lab A4 | Issue TR/COC discrepancy - sample level | FINAL

Hi Sumitra,

Per Region 5, please proceed with using a 7-day TAT for Case 30212. Please note the TR/COC discrepancy in the Case narrative and proceed.

Thanks,
Jessica

-----Original Message-----
From: Pham.Howard@epamail.epa.gov [mailto:Pham.Howard@epamail.epa.gov]
Sent: Tuesday, February 19, 2002 1:26 PM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30212 | Lab A4 | Issue TR/COC discrepancy - sample level

HI Jessica,
It is OK for 7 day TAT. Please advise the lab and procced the analyses.
Thanks,
Howard Pham

-----Original Message-----
F[illegible]m: Brown, Jessica
S[illegible]: Tuesday, February 19, 2002 12:51 PM
To: Howard Pham (E-mail)
Subject: Region 05 | Case 30212 | Lab A4 | Issue TR/COC discrepancy - sample level
Importance: High

Hi Howard,

The lab is still waiting on a response for this issue. Please advise on how the lab should proceed as quickly as possible.

Jessica

-----Original Message-----
From: Brown, Jessica
Sent: Tuesday, February 19, 2002 9:22 AM
To: Howard Pham (E-mail)
Subject: Region 05 | Case 30212 | Lab A4 | Issue TR/COC discrepancy - sample level

Hi Howard,

Per Jerry Willman, the TAT for Case 30212 is 7-days. Please advise on how the lab should proceed.

Thanks,
Jessica

-----Original Message-----
F[illegible]m: Jerry Willman [mailto:EPA4219@epa.state.il.us]
Sent: Tuesday, February 19, 2002 9:18 AM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30212 | Lab A4 | Issue TR/COC discrepancy - sample level

Good Morning Jessica:
Please proceed with 7 day turn around times. The 24 hr turn around times on the TR/COC forms was a mistake on my part. Sorry for the confusion.
Thanks,
Jerry Willman
217-524-6363

-----Original Message-----
From: Brown, Jessica
Sent: Monday, February 18, 2002 10:53 AM
To: Bob Casper (E-mail); Howard Pham (E-mail)
Subject: Region 05 | Case 30212 | Lab A4 | Issue TR/COC discrepancy - sample level

Hi Bob,

The following is an e-mail from A4 concerning Case 30212. The Case was requested for a 7-day turn-around-time. The TAT on the TR/COC is marked as 21-day. Please advise on how the lab should proceed as quickly as possible.

Thanks,
Jessica

-----Original Message-----
From: Sumitra [mailto:sumitra@a4scientific.com]
Sent: Monday, February 18, 2002 9:54 AM
To: Brown, Jessica
Subject: CASE 30212

Jessica,

The lab received 4 VOA samples from Region 5 for the CASE 30212 on 02/15/02. The TR/COC is marked as the samples are for 21 day TAT. On the Scheduling Notification Form is was noted as the CASE is for 7 day TAT. Please advice on this discrepancy.

Sumitra.

Sumitra

From: "Brown, Jessica" <Jessica.Brown@dyncorp.com>
To: "'RamS'" <rams@a4scientific.com>
Sent: Monday, February 18, 2002 11:32 AM
Subject: RE: Shipping Notification Form for Case 30212 A4 2-14

Sumitra,

Would it be possible for you to fax or e-mail me the TR/COC for Case 30212?

Let me know,
Jessica

-----Original Message-----
From: RamS [mailto:rams@a4scientific.com]
Sent: Monday, February 18, 2002 12:26 PM
To: Brown, Jessica
Subject: Re: Shipping Notification Form for Case 30212 A4 2-14

Hi Jessica,

As per the Shipping Notification Form only 2 VOA samples were shipped on 02/14/02 with the Air Bill 832620621158, but the lab received 4 VOA samples for this AirBill.

Sumitra..

----- Original Message -----
From: "Brown, Jessica" <Jessica.Brown@dyncorp.com>
To: <rams@a4scientific.com>
Sent: Monday, February 18, 2002 10:49 AM
Subject: FW: Shipping Notification Form for Case 30212 A4 2-14

> Sumitra,
>
> Just to confirm, you did NOT receive 4 VOA samples for this Case on 2/15/02?
>
> Thanks,
> Jessica
>
> -----Original Message-----
> From: RamS [mailto:rams@a4scientific.com]
> Sent: Monday, February 18, 2002 11:29 AM
> To: Scheduling, STR NE
> Subject: Re: Shipping Notification Form for Case 30212 A4 2-14
>
>
> Please disregard the previous e-mail.

> Thanks,
> Sumitra.
>
> -----Original Message-----
> From: RamS [mailto:rams@a4scientific.com]
> Sent: Monday, February 18, 2002 11:40 AM
> To: Brown, Jessica
> Subject: Fw: Shipping Notification Form for Case 30212 A4 2-14
>
>
> Jessica,
>
> The attached Shipping Notification Form noted as 2 VOA samples were
shipped
> for the delivery on 02/15/02. Actually the lab received 4 VOA samples on
> 02/15/02. Are these 2 samples are in addition to the ones received on
> 02/15?
>
> Thanks,
> Sumitra.
>
> ----- Original Message -----
> From: "Scheduling, STR NE" <STR.Scheduling@dyncorp.com>
> To: "'RamS'" <rams@a4scientific.com>
> Sent: Monday, February 18, 2002 8:56 AM
> Subject: Shipping Notification Form for Case 30212 A4 2-14
>
>
> > > Attached you will find a .pdf version of the Shipping Notification
Form.
> > > Please verify all sample shipments and determine whether Traffic
Reports
> > > received match shipping and scheduling information provided by SMO. If
> > > there is a problem with the above information, please call the
> appropriate
> > > coordinator.
> > > You do not need to confirm receipt of this Shipping Notification
e-mail.
> > > If you have questions concerning a particular case, please contact the
> > > coordinator of that case. If you have programmatic questions or
> problems,
> > > please contact Carolyn Mack at 703-264-9323 (Carolyn.Mack@dyncorp.com
> > > <mailto:Carolyn.Mack@dyncorp.com>) or Loren Minnich at 703-264-9204
> > > (Loren.Minnich@dyncorp.com <mailto:Loren.Minnich@dyncorp.com>).
> > > <<30212 A4 2-14.pdf>>
> > > ST&R Scheduling STR.Scheduling@dyncorp.com
> > > <mailto:STR.Scheduling@dyncorp.com> 703-264-9323
> >
>
>

2LCA

LOW CONCENTRATION WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLK71	106	110	84	104	102	106	94
02	E00M1	94	106	72	126	104	112	94
03	E00M2	100	102	76	122	102	112	92
04	E00M3	100	106	72	136	110	118	100
05	VBLK72	94	94	74	102	92	92	86
06	E00M2MS	92	96	92	98	92	96	86
07	E00M2MSD	96	98	96	94	96	100	92
08	VBLK74	100	102	78	128	96	94	98
09	E00M4	94	98	72	154	100	102	94
10	E00M5	96	104	74	130	104	102	98
11	E00M6	100	102	78	110	102	100	98
12	E00M7	100	102	78	102	98	98	102
13	VHBLK01	106	110	84	116	110	104	106
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

			QC LIMITS
VDMC1	(VCL)	= Vinyl Chloride-d3	(49-138)
VDMC2	(CLA)	= Chloroethane-d5	(60-126)
VDMC3	(DCE)	= 1,1-Dichloroethene-d2	(65-130)
VDMC4	(BUT)	= 2-Butanone-d5	(42-171)
VDMC5	(CLF)	= Chloroform-d	(80-123)
VDMC6	(DCA)	= 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BNE)	= Benzene-d6	(78-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2LCB

LOW CONCENTRATION WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (BRF) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLK71	102	96	98	84	128	92	112	0
02	E00M1	108	94	102	98	134	110	124	0
03	E00M2	102	94	92	84	134	102	120	0
04	E00M3	114	96	108	108	162 *	112	128	1
05	VBLK72	94	88	86	72	106	76	104	0
06	E00M2MS	98	88	96	82	114	82	106	0
07	E00M2MSD	102	94	110	68	114	92	116	0
08	VBLK74	98	100	98	92	88	96	110	0
09	E00M4	98	92	98	114	94	102	100	0
10	E00M5	102	94	102	82	94	104	102	0
11	E00M6	102	98	96	74	108	98	114	0
12	E00M7	102	100	98	68	108	100	112	0
13	VHBLK01	108	102	100	76	112	114	118	0
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

			QC LIMITS
VDMC8	(DPA)	= 1,2-Dichloropropane-d6	(84-123)
VDMC9	(TOL)	= Toluene-d8	(77-120)
VDMC10	(TDP)	= trans-1,3-Dichloropropene-d4	(80-128)
VDMC11	(HEX)	= 2-Hexanone-d5	(37-169)
VDMC12	(BRF)	= Bromoform-d	(76-135)
VDMC13	(TCA)	= 1,1,2,2-Tetrachloroethane-d2	(75-131)
VDMC14	(DCZ)	= 1,2-Dichlorobenzene-d4	(50-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits

LOW CONCENTRATION WATER VOLATILE
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Marix Spike - EPA Sample No.: E00M2

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	5.0	0	4.1	82	61-145
Benzene	5.0	0	4.4	88	76-127
Trichloroethene	5.0	0	5.0	100	71-120
Toluene	5.0	0	5.4	108	76-125
Chlorobenzene	5.0	0	6.2	124	75-130

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5.0	4.1	82	0	14	61-145
Benzene	5.0	4.5	90	2	11	76-127
Trichloroethene	5.0	5.1	102	2	14	71-120
Toluene	5.0	5.3	106	2	13	76-125
Chlorobenzene	5.0	6.4	128	3	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: _____

_____

4LCA
LOW CONCENTRATION WATER
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK71

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK71 Date Analyzed: 02/18/02

Lab File ID: C3342 Time Analyzed: 0927

Instrument ID: C-5973

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE ANALYSES:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00M1	1349.002	C3358	1848
02	E00M2	1349.003	C3359	1922
03	E00M3	1349.004	C3360	1957
04				
05				
06				
07				
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COMMENTS _____

4LCA
LOW CONCENTRATION WATER
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK72

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK72 Date Analyzed: 02/19/02

Lab File ID: C3366 Time Analyzed: 1001

Instrument ID: C-5973

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE ANALYSES:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00M2MS	1349.003MS	C3367	1036
02	E00M2MSD	1349.003MSD	C3368	1110
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COMMENTS _____

4LCA

LOW CONCENTRATION WATER
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK74

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK74 Date Analyzed: 02/20/02

Lab File ID: C3406 Time Analyzed: 2221

Instrument ID: C-5973

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE ANALYSES:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00M4	1355.001	C3414	0257
02	E00M5	1355.002	C3415	0331
03	E00M6	1355.003	C3416	0406
04	E00M7	1355.004	C3417	0441
05	VHBLK01	1349.001	C3421	0658
06				
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COMMENTS _____

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.002 Date Received: 02/14/02

Lab File ID: C3358 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.24	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.20	J
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.002 Date Received: 02/14/02

Lab File ID: C3358 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.002 Date Received: 02/14/02

Lab File ID: C3358 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.03	1.8	J
02		UNKNOWN	3.33	0.90	J
03					
04					
05					
06					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.
E00M2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.003 Date Received: 02/14/02

Lab File ID: C3359 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.24	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.003 Date Received: 02/14/02

Lab File ID: C3359 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M2

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.003 Date Received: 02/14/02

Lab File ID: C3359 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01					
02					
03					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.
E00M2MS

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.003MS Date Received: 02/14/02

Lab File ID: C3367 Date Analyzed: 02/19/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	4.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.74	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	4.4	
107-06-2	1,2-Dichloroethane	0.50	U

1LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M2MS

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.003MS Date Received: 02/14/02

Lab File ID: C3367 Date Analyzed: 02/19/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	5.0	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.4	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	6.2	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.
E00M2MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.003MSD Date Received: 02/14/02

Lab File ID: C3368 Date Analyzed: 02/19/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	4.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.76	
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	4.5	
107-06-2	1,2-Dichloroethane	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M2MSD

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.003MSD Date Received: 02/14/02

Lab File ID: C3368 Date Analyzed: 02/19/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	5.1	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.3	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	6.4	
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.
E00M3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.004 Date Received: 02/14/02

Lab File ID: C3360 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.27	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.67	
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.41	J
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.004 Date Received: 02/14/02

Lab File ID: C3360 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.21	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M3

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.004 Date Received: 02/14/02

Lab File ID: C3360 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.03	1.5	J
02		UNKNOWN	3.33	1.1	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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22					
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24					
25					
26					
27					
28					
29					
30					

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.001 Date Received: 02/15/02

Lab File ID: C3414 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.001 Date Received: 02/15/02

Lab File ID: C3414 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.33	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M4

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.001 Date Received: 02/15/02

Lab File ID: C3414 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.03	0.95	J
02		UNKNOWN	3.33	0.79	JB
03	000124-13-0	Octanal	15.47	0.77	JN
04	000124-19-6	Nonanal	17.62	2.6	JN
05		UNKNOWN	19.77	0.53	J
06					
07					
08					
09					
10					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.002 Date Received: 02/15/02

Lab File ID: C3415 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.002 Date Received: 02/15/02

Lab File ID: C3415 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.31	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M5

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.002 Date Received: 02/15/02

Lab File ID: C3415 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.03	1.1	J
02		UNKNOWN	3.33	1.0	JB
03	000124-13-0	Octanal	15.47	0.83	JN
04	000124-19-6	Nonanal	17.62	3.0	JN
05					
06					
07					
08					
09					
10					
11					
12					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.003 Date Received: 02/15/02

Lab File ID: C3416 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.003 Date Received: 02/15/02

Lab File ID: C3416 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M6

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.003 Date Received: 02/15/02

Lab File ID: C3416 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found; 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.33	0.63	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.
E00M7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.004 Date Received: 02/15/02

Lab File ID: C3417 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.78	
107-06-2	1,2-Dichloroethane	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00M7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.004 Date Received: 02/15/02

Lab File ID: C3417 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	2.3	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.92	
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M7

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1355.004 Date Received: 02/15/02

Lab File ID: C3417 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 3

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	000078-78-4	Butane, 2-methyl-	3.03	1.5	JN
02	000109-66-0	Pentane	3.33	0.70	JN
03		UNKNOWN	4.41	0.62	J
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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16					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VBLK71

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK71 Date Received: _____

Lab File ID: C3342 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VBLK71

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK71 Date Received: _____

Lab File ID: C3342 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK71

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK71 Date Received: _____

Lab File ID: C3342 Date Analyzed: 02/18/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	10.16	0.52	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
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28					
29					
30					

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VBLK72

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK72 Date Received: _____

Lab File ID: C3366 Date Analyzed: 02/19/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VBLK72

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK72 Date Received: _____

Lab File ID: C3366 Date Analyzed: 02/19/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK72

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK72 Date Received: _____

Lab File ID: C3366 Date Analyzed: 02/19/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
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29					
30					

1LCA

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

VBLK74

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK74 Date Received: _____

Lab File ID: C3406 Date Analyzed: 02/20/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

ILCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VBLK74

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK74 Date Received: _____

Lab File ID: C3406 Date Analyzed: 02/20/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.27	J
87-61-6	1,2,3-Trichlorobenzene	0.28	J

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK74

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: CVBLK74 Date Received: _____

Lab File ID: C3406 Date Analyzed: 02/20/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 3

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.33	0.52	J
02		UNKNOWN	9.56	0.59	J
03	000091-20-3	naphthalene	19.76	0.60	JN
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.001 Date Received: _____

Lab File ID: C3421 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

ILCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.001 Date Received: _____

Lab File ID: C3421 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK01

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M1

Lab Sample ID: 1349.001 Date Received: _____

Lab File ID: C3421 Date Analyzed: 02/21/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.33	0.54	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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27					
28					
29					
30					

REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: EC0M1 CERCLIS No: ILNCC0508246

Case No: 30212 Site Name Location: ELLSWORTH & INDUS. PK

Contractor or EPA Lab: All Scientific Data User: IEPA

No. of Samples: 7 Date Sampled or Date Received: 2-22-02

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: 7 No. of samples received: 7

Received by: Ena M. Dixon/ESAI Date: 2-22-02

Received by LSSS: Ena M. Dixon/ESAI Date: 2-22-02

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: Ena M. Dixon/ESAI Date: 3-1-02

Mailed to user by: Ena M. Dixon/ESAI Date: 3-1-02

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

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

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

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

____
____

Received by Data Mgmt. Coordinator for Files. Date: ____

DATE: March 8, 2002

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

Attn: Bob Casper

SITE NAME: Ellsworth Industrial Park

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
30212	A4 Scientific	4	E00M8	Water

==========

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

RECEIVED
MAR 1 3
IEPA-BOL-FSRS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: _____

SUBJECT: Electronic (**Level 2**) Review of Data

Received for Review on March 1, 2002

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

TO: Data User: IEPA

The following data has been electronically reviewed by CADRE. No review of the raw data, laboratory narrative, laboratory forms or chain-of-custody forms was performed.

SITE NAME: Ellsworth Industrial Park (IL)

CASE NUMBER: 30212 SDG NUMBER: E00M8

Number and Type of Samples: 4 Waters

Sample Numbers: E00M8, E00M9, E00N0, E00N1

Laboratory: A4 Scientific Hrs. for Review: _____

Following are our findings:

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

Case Number : 30212 SDG Number: E00M8
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: A4 SCIENTIFIC

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

Four (4) water samples, numbered *E00M8, E00M9, E00N0* and *E00N1*, were collected *February 19 - 21, 2002*. The lab received the samples on *February 22, 2002* in good condition. All samples were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLC03.2* (12/2000).

Case Number : 30212 SDG Number: E00M8
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: A4 SCIENTIFIC

1. HOLDING TIME

Qualification: Holding Time **Protocol: VOA**

No defects found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

Qualification: IPC **Protocol: VOA**

No defects found.

3. CALIBRATION

Qualification: Calibrations **Protocol: VOA**

DC-5 The following volatile samples are associated with a continuing calibration whose corr esponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

Methyl Acetate
E00M8, E00M9, E00N0, E00N1, VBLK79, VBLK80, VHBLK01

DC-7 The following volatile samples are associated with a continuing calibration whose corr esponding initial calibration has percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methylene Chloride
E00M8, E00M9, E00N0, E00N1, VBLK79, VBLK80, VHBLK01

DC-8 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".

Methylcyclohexane
E00M8, E00M9, E00N0, E00N1, VBLK79

Isopropylbenzene
E00M8, E00M9, E00N0, E00N1, VBLK79

DC-9 The following volatile samples are associated with a continuing calibration relative response factor (RRF5) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

Methyl Acetate
E00M8, E00M9, E00N0, E00N1, VBLK79, VBLK80, VHBLK01

Case Number : 30212 SDG Number: E00M8
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: A4 SCIENTIFIC

4. BLANKS

Qualification: Laboratory Blanks **Protocol: VOA**

DC-15 The following volatile samples were analyzed after a highly contaminated sample and have no preceding instrument blank. Professional judgement should be used to qualify the data.

Trichloroethene
E00N0, E00N1

DC-18 The following volatile samples are associated with a contaminated instrument blank. Results are biased high. Hits are qualified "J" and non-detects are not flagged.

Tetrachloroethene
E00M8, E00M9, E00N0, E00N1

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

Qualification: DMC **Protocol: VOA**

No defects found.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Qualification: Matrix Spikes **Protocol: VOA**

DC-6 No volatile matrix spike data was reported for this SDG. Manual review of the data is required.

E00M8, E00M9, E00N1

7. FIELD BLANK AND FIELD DUPLICATE

Sample *E00N0* is a trip blank. No samples were identified as either field blanks or field duplicates. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

Qualification: Internal Standards **Protocol: VOA**

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.

Case Number : 30212 SDG Number: E00M8
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: A4 SCIENTIFIC

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

Qualification: Detection Limit **Protocol: VOA**

DC-1 The following volatile samples have analyte concentrations below the quantitation limit (CRQL). All results below the CRQL are qualified "J".

E00M8
Acetone, Benzene

E00M9
Acetone, 2-Butanone, Chloroform, Toluene

E00N0
Acetone, Tetrachloroethene

E00N1
Bromodichloromethane, Tetrachloroethene

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

Data Review Results

Lab ID: A4 Case No.: 30212 Method: OLC03.2 Flag :OLCR5
File Name: E00M8 SDG No.: E00M8 Criteria: OLC03.2 Defects: OLCR5

Data Review Criteria Set Options:

Detection Limit
- PEST pct D expanded criteria
- Use MDL

Holding Time
- Region 3 PAH option
- Region 3 PCB option
- Expanded criteria X
- Inorganic missing pH option

Calibrations
- RRF expanded criteria
- VOA/BNA PctD expanded criteria
- VOA/BNA PctRSD expanded criteria
- Use mean RRF
- Use VOA/BNA dual purpose standard option X
- Use initial INDA/INDB pct resolution X

CADRE association rules X

IPC
- Expanded criteria

System Performance
- Use initial PEM pct resolution X
- Use continuing PEM pct resolution X

CRDL/CRQL Standards
- Region 2 validation rules
- Region 3 validation rules

LCS
- Pct rec expanded criteria

Duplicates

Case Number : 30212 SDG Number: E00M8
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: A4 SCIENTIFIC

Use continuing INDA/INDB pct resolution
Use PEST low concentration option X
PEST low concentration PctRSD expanded criteria
Use DMC/SMC/Surrogate option X
Use INORG extreme high pct recovery

Matrix Spikes
Use PEST low concentration rules X

DMC/SMC/Surrogates
Region 3 validation rules
Check dilution factor X
Use advisory surrogates
Use low concentration rules X

RPD and AD expanded criteria

Furnace AA QC
Pct R expanded upper criteria
Corr coef expanded criteria.

Blanks
Raise to detection limit X
Use VOA storage/inst blanks X
Use low concentration rules X

Field QC
Combine method/field blanks
CRDL contamination criteria

Level 2 - Assembled By: Allison Harvey/IITRI-ESAT
Date: March 8, 2002

CADRE Data Qualifier Sheet

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

Analytical Results (Qualified Data)

Case # 30212 SDG E00M8
Site : ELLSWORTH INDUSTRIAL PARK
Lab : A4
Reviewer :
Date :

Number of Soil Samples 0
Number of Water Samples 4

Sample Number :	E00M8		E00M9		E00N0		E00N1		VBLK79	
Sampling Location :	G106		G109		TRIP BLANK1		S101			
Matrix	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	2/19/2002		2/20/2002		2/21/2002		2/21/2002			
Time Sampled :	16:00		16:30		08:00		08:55			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	4	J	4	J	2	J	6		5	U
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	0.7	J	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.2	J	0.5	U	0.8		0.5	U
1,1,1-Trichloroethane	0.5	U	0.8		0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.2	J	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	2		0.5	U	0.5	U	0.5	U
Trichloroethene	0.5	U	6		0.5	U	0.5	U	0.5	U
Methylcyclohexane	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.4	J	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.7		0.4	J	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case # 30212 SDG : E00M8
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
Date :

Sample Number :	E00M8		E00M9		E00N0		E00N1		VBLK79	
Sampling Location :	G106		G109		TRIP BLANK1		S101			
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	2/19/2002		2/20/2002		2/21/2002		2/21/2002			
Time Sampled :	16:00		16:30		08:00		08:55			
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Tetrachloroethene	0.5	J	0.6	J	0.2	J	0.2	J	0.5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes (total)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Analytical Results (Qualified Data)

Case # 30212 SDG : E00M8
Site : ELLSWORTH INDUSTRIAL PARK
Lab : A4
Reviewer :
Date :

Sample Number	VBLK80		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	0.5	U	0.5	U						
Chloromethane	0.5	U	0.5	U						
Vinyl Chloride	0.5	U	0.5	U						
Bromomethane	0.5	U	0.5	U						
Chloroethane	0.5	U	0.5	U						
Trichlorofluoromethane	0.5	U	0.5	U						
1,1-Dichloroethene	0.5	U	0.5	U						
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U						
Acetone	5	U	5	U						
Carbon Disulfide	0.5	U	0.5	U						
Methyl Acetate	0.5	R	0.5	R						
Methylene Chloride	0.5	UJ	0.5	UJ						
trans-1,2-Dichloroethene	0.5	U	0.5	U						
tert-Butyl Methyl Ether	0.5	U	0.5	U						
1,1-Dichloroethane	0.5	U	0.5	U						
cis-1,2-Dichloroethene	0.5	U	0.5	U						
2-Butanone	5	U	5	U						
Bromochloromethane	0.5	U	0.5	U						
Chloroform	0.5	U	0.5	U						
1,1,1-Trichloroethane	0.5	U	0.5	U						
Cyclohexane	0.5	U	0.5	U						
Carbon Tetrachloride	0.5	U	0.5	U						
Benzene	0.5	U	0.5	U						
1,2-Dichloroethane	0.5	U	0.5	U						
Trichloroethene	0.5	U	0.5	U						
Methylcyclohexane	0.5	U	0.5	U						
1,2-Dichloropropane	0.5	U	0.5	U						
Bromodichloromethane	0.5	U	0.5	U						
cis-1,3-Dichloropropene	0.5	U	0.5	U						
4-Methyl-2-pentanone	5	U	5	U						
Toluene	0.5	U	0.5	U						
trans-1,3-Dichloropropene	0.5	U	0.5	U						
1,1,2-Trichloroethane	0.5	U	0.5	U						

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Analytical Results (Qualified Data)

Case #: 30212 SDG : E00M8
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : A4
Reviewer :
Date :

Sample Number :	VBLK80		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
Tetrachloroethene	0.5	U	0.5	U						
2-Hexanone	5	U	5	U						
Dibromochloromethane	0.5	U	0.5	U						
1,2-Dibromoethane	0.5	U	0.5	U						
Chlorobenzene	0.5	U	0.5	U						
Ethylbenzene	0.5	U	0.5	U						
Xylenes (total)	0.5	U	0.5	U						
Styrene	0.5	U	0.5	U						
Bromoform	0.5	U	0.5	U						
Isopropylbenzene	0.5	U	0.5	U						
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U						
1,3-Dichlorobenzene	0.5	U	0.5	U						
1,4-Dichlorobenzene	0.5	U	0.5	U						
1,2-Dichlorobenzene	0.5	U	0.5	U						
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U						
1,2,4-Trichlorobenzene	0.5	U	0.5	U						
1,2,3-Trichlorobenzene	0.5	U	0.5	U						

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 3-1-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELLSWORTH INDUSTRIAL PARK (IL)

CASE NUMBER: 30212 SDG NUMBER: E00M8

Number and Type of Samples: 4 (WATER)

Sample Numbers: E00M8-9, E00N0-1

Laboratory: A4 SCIENTIFIC Hrs for Review:

Following are our findings:

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

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: **E00M8**

Laboratory Name: **A4 Scientific, Inc.**

Laboratory Code: **A4**

Contract No.: **68W01038**

Case No.: **30212**

Analysis Price: **$ 460.00**

SDG Turnaround: **7 days**

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) E00M8	7)	13)	19)
2) E00M9	8)	14)	20)
3) E00N0	9)	15)	21)
4) E00N1	10)	16)	22)
5)	11)	17)	23)
6)	12)	18)	24)

E00M8	E00N1
First Sample in SDG	Last Sample in SDG
02/22/02	02/22/02
First Sample Receipt Date	Last Sample Receipt Date

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

Signature Sunitha Sheeri Date 02/23/02

SEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30212
DAS No:
SDG No: E00M8

L

Date Shipped: 2/20/02 Carrier Name: FedEx Airbill: 832577771840 Shipped to: A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	Date Received/Received by: 2-22-02 Carlos Pinir Lab Contract No: 68W01038 Unit Price: 460.00 Transfer To: Date Received/Received By: 35 Lab Contract No: Price: 04/23	Sampler (Signature): Paul Mason Relinquished By: Paul Mason Relinquished By: Relinquished By:	Date / Time: 02-20-02 17:00 Date / Time: Date / Time:
			Received By: Received By: Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00M8	Ground Water/ Paul Mason	L/G	VOA (7)	5100618, 5100619, 5100620, 5100621, 5100622 (5)	G106	2/19/02 16:00		
E00M9	Ground Water/ Paul Mason	L/G	VOA (7)	5100623, 5100624, 5100625, 5100626, 5100627 (5)	G109	2/20/02 16:30		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2C	Chain of Custody Seal Number: 81144-45
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designat Composite = C, Grab = G	Custody Seal Intact: Y	Shipment Iced: Y

CASE 30212 SDG E00M8

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

SEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30212
DAS No:
SDG No: E00M8

L

Date Shipped: 2/21/02 **Carrier Name:** FedEx **Airbill:** 832577771840 **Shipped to:** A4 Scientific 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	**Date Received/Received by:** 2-22-02 Carlos Ruiz **Lab Contract No:** 68W01058 **Unit Price:** $460.00 ~~**Transfer To:**~~ ~~**Date Received/Received By:**~~ 2/23 ~~**Lab Contract No:**~~ ~~**Price:**~~	**Sampler (Signature):** Paul Mason **Relinquished By:** Paul Mason	**Date / Time:** 02-21-02 9:50	**Received By:**
		Relinquished By:	**Date / Time:**	**Received By:**
		Relinquished By:	**Date / Time:**	**Received By:**

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00N0	Ground Water/ Paul Mason	L/G	VOA (7)	5100628, 5100629 (2)	Trip Blank1	2/21/02 8:00		
E00N1	Surface Water/ Paul Mason	/G	VOA (7)	5100630, 5100631, 5100632, 5100633, 5100634 (5)	S101	2/21/02 8:55		

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:** 2°C	**Chain of Custody Seal Number:** 3144-45
Analysis Key: VOA = CLP TCL Volatiles	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designat:** Composite = C, Grab = G	**Custody Seal Intact:** Y	**Shipment Iced** Y

CASE 30212 SDG E00M8

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

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A4 SCIENTIFIC, INC.
1544 Sawdust Road, Suite 505 • The Woodlands, TX 77380 • Phone (281) 292-5277

MAR 01 2002

Contract #: 68W01038	Case #: 30212	SDG #: E00M8

SDG NARRATIVE

SAMPLE RECEIPT & LOGIN:

The following samples were received on the dates listed against them.

EPA SAMPLE #	LAB SAMPLE #	DATE /TIME RECEIVED	AIRBILL NO.	VOA	BNA	PEST	REMARKS
E00M8	1377.002	02/22/02 10:55	832577771840	x			
E00M9	1377.003	02/22/02 10:55	832577771840	x			
E00N0	1377.004	02/22/02 10:55	832577771840	x			
E00N1	1377.005	02/22/02 10:55	832577771840	x			

The cooler temperature was 2.0°C. One vial of the sample E00M8 was broken. The lab notified SMO about this issue and continued with the analysis of the sample. No other discrepancies or issues were noted during sample receipt and login.

VOLATILES:

All samples were analyzed on a HP5973 GC-MS using a 60-meter RTX-624 column having a 0.32mm ID and 1.8µm film thickness. An ENCON Purge and Trap with an Archon autosampler was used. The trap used was an OV-1/Tenax/Silica Gel/Charcoal (equivalent to Tekmar #5). A 25mL purge volume was used for all samples, blanks, and standards.

The pH of all samples was < 2 standard units.

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 hard copy data package has been authorized by the laboratory manager or his/her designee, as verified by the following signature:

Smritashri / QC coordinator
Signature and Title

02/27/02
Date of Signature

2LCA

LOW CONCENTRATION WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

	EPA SAMPLE NO.	VDMC1 (VCL)#	VDMC2 (CLA)#	VDMC3 (DCE)#	VDMC4 (BUT)#	VDMC5 (CLF)#	VDMC6 (DCA)#	VDMC7 (BEN)#
01	VBLK79	98	102	74	72	92	102	90
02	VIBLK10	98	106	74	136	104	112	94
03	E00M8	102	102	74	94	94	98	96
04	E00M9	98	104	74	100	98	102	96
05	E00N0	92	96	72	48	94	98	92
06	E00N1	90	94	68	144	106	106	94
07	VBLK80	96	100	76	116	98	96	96
08	VHBLK01	84	90	70	90	98	94	94
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			QC LIMITS
VDMC1	(VCL)	= Vinyl Chloride-d3	(49-138)
VDMC2	(CLA)	= Chloroethane-d5	(60-126)
VDMC3	(DCE)	= 1,1-Dichloroethene-d2	(65-130)
VDMC4	(BUT)	= 2-Butanone-d5	(42-171)
VDMC5	(CLF)	= Chloroform-d	(80-123)
VDMC6	(DCA)	= 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BNE)	= Benzene-d6	(78-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2LCB

LOW CONCENTRATION WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (BRF) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLK79	98	90	92	48	104	90	108	0
02	VIBLK10	106	92	98	104	120	106	118	0
03	E00M8	104	92	92	72	92	100	98	0
04	E00M9	104	94	92	78	112	100	110	0
05	E00N0	100	92	94	42	104	98	106	0
06	E00N1	106	88	100	92	94	112	86	0
07	VBLK80	102	94	100	84	126	92	108	0
08	VHBLK01	98	88	96	66	132	94	110	0
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		QC LIMITS
VDMC8 (DPA)	= 1,2-Dichloropropane-d6	(84-123)
VDMC9 (TOL)	= Toluene-d8	(77-120)
VDMC10 (TDP)	= trans-1,3-Dichloropropene-d4	(80-128)
VDMC11 (HEX)	= 2-Hexanone-d5	(37-169)
VDMC12 (BRF)	= Bromoform-d	(76-135)
VDMC13 (TCA)	= 1,1,2,2-Tetrachloroethane-d2	(75-131)
VDMC14 (DCZ)	= 1,2-Dichlorobenzene-d4	(50-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits

LOW CONCENTRATION WATER
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK79

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK79 Date Analyzed: 02/26/02

Lab File ID: C3498 Time Analyzed: 1342

Instrument ID: C-5973

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE ANALYSES:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VIBLK10	VIBLK10	C3508	1943
02	E00M8	1377.002	C3509	2105
03	E00M9	1377.003	C3510	2145
04	E00N0	1377.004	C3511	2220
05	E00N1	1377.005	C3512	2255
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COMMENTS _____

4LCA

LOW CONCENTRATION WATER
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK80

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK80 Date Analyzed: 02/27/02

Lab File ID: C3516 Time Analyzed: 1053

Instrument ID: C-5973

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE ANALYSES:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	1377.001	C3519	1237
02				
03				
04				
05				
06				
07				
08				
09				
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COMMENTS _____

1LCA

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.002 Date Received: 02/22/02

Lab File ID: C3509 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	4.4	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.20	J
107-06-2	1,2-Dichloroethane	0.50	U

1LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.002 Date Received: 02/22/02

Lab File ID: C3509 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.74	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.51	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M8

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.002 Date Received: 02/22/02

Lab File ID: C3509 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 6

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	000078-78-4	Butane, 2-methyl-	3.03	2.6	JN
02		UNKNOWN	3.33	2.1	J
03		UNKNOWN	4.41	0.98	J
04		UNKNOWN	8.04	0.57	J
05		UNKNOWN	17.62	1.0	J
06	000108-38-3	Benzene, 1,3-dimethyl-	12.10	0.74	JN
07					
08					
09					
10					
11					
12					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.003 Date Received: 02/22/02

Lab File ID: C3510 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	4.4	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	0.72	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.22	J
71-55-6	1,1,1-Trichloroethane	0.76	
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	2.2	

1LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00M9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.003 Date Received: 02/22/02

Lab File ID: C3510 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	6.3	
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.35	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.60	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00M9

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.003 Date Received: 02/22/02

Lab File ID: C3510 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.03	1.4	J
02		UNKNOWN	3.33	0.99	J
03					
04					
05					
06					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

E00N0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.004 Date Received: 02/22/02

Lab File ID: C3511 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.9	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

1LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00N0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.004 Date Received: 02/22/02

Lab File ID: C3511 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.20	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00N0

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.004 Date Received: 02/22/02

Lab File ID: C3511 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
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12					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

E00N1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.005 Date Received: 02/22/02

Lab File ID: C3512 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.6	
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.81	
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.
E00N1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.005 Date Received: 02/22/02

Lab File ID: C3512 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.44	J
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.15	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00N1

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.005 Date Received: 02/22/02

Lab File ID: C3512 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.33	0.65	J
02		UNKNOWN	10.69	1.0	J
03		UNKNOWN	15.47	4.6	J
04	000124-19-6	Nonanal	17.62	16	JN
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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24					
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28					
29					
30					

1LCA

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET

EPA SAMPLE NO.

VBLK79

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK79 Date Received: _____

Lab File ID: C3498 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VBLK79

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK79 Date Received: _____

Lab File ID: C3498 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS

DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK79

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK79 Date Received: _____

Lab File ID: C3498 Date Analyzed: 02/26/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	11.80	0.65	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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26					
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28					
29					
30					

ILCA

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VBLK80

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK80 Date Received: _____

Lab File ID: C3516 Date Analyzed: 02/27/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

LCB

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.
VBLK80

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK80 Date Received: _____

Lab File ID: C3516 Date Analyzed: 02/27/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK80

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: CVBLK80 Date Received: _____

Lab File ID: C3516 Date Analyzed: 02/27/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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ILCA

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.001 Date Received: _____

Lab File ID: C3519 Date Analyzed: 02/27/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-Butyl Ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon Tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.001 Date Received: _____

Lab File ID: C3519 Date Analyzed: 02/27/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylene (total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK01

Lab Name: A4 SCIENTIFIC, INC. Contract: 68-W-01-038

Lab Code: A4 Case No.: 30212 Client No.: SDG No.: E00M8

Lab Sample ID: 1377.001 Date Received: _____

Lab File ID: C3519 Date Analyzed: 02/27/02

Purge Volume: 25 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.32 (MM) Length: 60 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	3.33	0.59	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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22					
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27					
28					
29					
30					

REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: ECOH8 CERCLIS No: ILN000508246

Case No: 30212 Site Name/Location: ELLSWORTH INDUS. PARK

Contractor or EPA Lab: A4 SCIENTIFIC Data User: IEPA

No. of Samples: 4 Date Sampled or Date Received: 3-1-02

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: 4 No. of samples received: 4 EMD

Received by: EVA M. DIXON/ESAT Date: 3-1-02

Received by LSSS: EVA M. DIXON/ESAT Date: 3-1-02

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: EVA M. DIXON/ESAT Date: 3-8-02

Mailed to user by: EVA M. DIXON/ESAT Date: 3-8-02

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: ____

X-28A
X-31
X-29

DATE: June 12, 2002

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

Attn: Bob Casper

SITE NAME: Elsworth Industrial Park

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
30450	Ceimic	3	E00X5	Soil

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

JUN 1 2 2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on May 30, 2002

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

TO: Data User: IEPA

We have reviewed the data for the following case:

Site name: Ellsworth Industrial Park (IL)

Case number: 30450 SDG Number: E00X5

Number and Type of Samples: 3 soil samples

Sample Numbers: E00X5, E00X8, E00Y0

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

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

Case Number : 30450
Site Name: Ellsworth Industrial Park (IL)

SDG Number: E00X5
Laboratory: Ceimic

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

Three soil samples (E00X5, E00X8, E00Y0) were collected on 05/01-02/2002. The laboratory received the samples on 05/02-03/2002 in good condition. The samples were analyzed for the list of Volatile analytes according to CLP SOW OLMO4.2 5/99.

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 11, 2002

Case Number : 30450 **SDG Number: E00X5**
Site Name: Ellsworth Industrial Park (IL) **Laboratory: Ceimic**

. HOLDING TIME

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

E00X8, E00X8MS, E00X8MSD

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found for this qualification.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration 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, 2-Hexanone, 1,2,4-Trichlorobenzene
E00X5, E00Y0, VBLKLP

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".

1,2-Dibromo-3-chloropropane
E00X8, E00X8MS, E00X8MSD, VBLKOG, VBLKOH, VHBLK01

4. METHOD BLANKS

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

Methylene Chloride
E00X5

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.

Acetone
E00X5, E00Y0

Methylene Chloride
E00X8, E00X8MS, E00X8MSD, E00Y0

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 11, 2002

Case Number : 30450 **SDG Number: E00X5**
Site Name: Ellsworth Industrial Park (IL) **Laboratory: Ceimic**

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems were found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Samples E00X5 and E00Y0 were analyzed at low level analysis. No MS/MSD were analyzed for the low level analysis. Sample E00X8 was analyzed at medium level analysis. No problems were found for the medium MS/MSD.

7. FIELD BLANK AND FIELD DUPLICATE

None of the samples in this data set were identified as field duplicates or field blanks.

8. INTERNAL STANDARDS

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

E00X5
1,1,1-Trichloroethane, Cyclohexane , Carbon Tetrachloride, Benzene, Trichloroethene, Methylcyclohexane , 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane , Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Bromoform, Isopropylbenzene , 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene , 1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms, it appears that all VOA 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".

E00X5
Trichloroethene, Toluene

E00X8
cis-1,2-Dichloroethene, Trichloroethene

E00X8MS, E00X8MSD

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 11, 2002

Case Number : 30450
Site Name: Ellsworth Industrial Park (IL)

SDG Number: E00X5
Laboratory: Ceimic

cis-1,2-Dichloroethene

E00Y0
Trichlorofluoromethane, Tetrachloroethene

VBLKLP
Acetone, Methylene Chloride

VBLKOG
1,2,4-Trichlorobenzene

VBLKOH
Acetone , Methylene Chloride

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

None.

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 11, 2002

CADRE Data Qualifier Sheet

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

Volatile Analysis Data - E00X5
Tentatively Identified Compounds

CASE NO: 30450 LABORATORY: CEIMIC CORP
SDG NO: E00X5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN SILOXANE	16.05	62.000	J

FILE NAME: E00X5.SDG DATE: 05/30/2002 TIME: 13:18 CADRE99 PAGE: 1

Volatile Analysis Data - E00Y0
Tentatively Identified Compounds

CASE NO: 30450 LABORATORY: CEIMIC CORP
SDG NO: E00X5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN SILOXANE	16.05	74.000	J

FILE NAME: E00X5.SDG DATE: 05/30/2002 TIME: 13:18 CADRE99 PAGE: 2

Volatile Analysis Data - VBLKOG
Tentatively Identified Compounds

CASE NO: 30450 LABORATORY: CEIMIC CORP
SDG NO: E00X5

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	4.90	52.000	J

FILE NAME: E00X5.SDG DATE: 05/30/2002 TIME: 13:18 CADRE99 PAGE: 3

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00X5
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06/11/2002

Number of Soil Samples : 3
Number of Water Samples : 0

Sample Number :	E00X5		E00X8		E00X8MS		E00X8MSD		E00Y0	
Sampling Location :	X28A		X31		X31		X31		X29	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/01/2002		05/02/2002		05/02/2002		05/02/2002		05/02/2002	
Time Sampled :	14:30		12:45		12:45		12:45		17:15	
%Moisture :	15		19		19		19		12	
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	1000	UJ	1000	UJ	1000	UJ	9	U
Chloromethane	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Vinyl Chloride	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Bromomethane	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Chloroethane	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Trichlorofluoromethane	21		1000	UJ	1000	UJ	1000	UJ	4	J
1,1-Dichloroethene	10	U	1000	UJ	4200	J	5100	J	9	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Acetone	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Carbon Disulfide	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Methyl Acetate	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Methylene Chloride	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	UJ
trans-1,2-Dichloroethene	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Methyl tert-Butyl Ether	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
1,1-Dichloroethane	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
cis-1,2-Dichloroethene	10	U	310	J	310	J	280	J	9	U
2-Butanone	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Chloroform	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
1,1,1-Trichloroethane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Cyclohexane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Carbon Tetrachloride	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Benzene	10	UJ	1000	UJ	5000	J	6000	J	9	U
1,2-Dichloroethane	10	U	1000	UJ	1000	UJ	1000	UJ	9	U
Trichloroethene	4	J	130	J	4900	J	5900	J	9	U
Methylcyclohexane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,2-Dichloropropane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Bromodichloromethane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
cis-1,3-Dichloropropene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
4-Methyl-2-pentanone	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Toluene	1	J	1000	UJ	5300	J	6100	J	9	U
trans-1,3-Dichloropropene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,1,2-Trichloroethane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Tetrachloroethene	180	J	4500	J	4500	J	4400	J	2	J

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00X5
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06/11/2002

Number of Soil Samples : 3
Number of Water Samples : 0

Sample Number :	E00X5		E00X8		E00X8MS		E00X8MSD		E00Y0	
Sampling Location :	X28A		X31		X31		X31		X29	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/01/2002		05/02/2002		05/02/2002		05/02/2002		05/02/2002	
Time Sampled :	14:30		12:45		12:45		12:45		17:15	
%Moisture :	15		19		19		19		12	
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	UJ	1000	UJ	1000	UJ	1000	UJ	9	UJ
Dibromochloromethane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,2-Dibromoethane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Chlorobenzene	10	UJ	1000	UJ	5200	J	6000	J	9	U
Ethylbenzene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Xylenes (total)	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Styrene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Bromoform	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
Isopropylbenzene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,1,2,2-Tetrachloroethane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,3-Dichlorobenzene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,4-Dichlorobenzene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,2-Dichlorobenzene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,2-Dibromo-3-chloropropane	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	U
1,2,4-Trichlorobenzene	10	UJ	1000	UJ	1000	UJ	1000	UJ	9	UJ

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00X5
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06/11/2002

Number of Soil Samples : 3
Number of Water Samples : 0

Sample Number :	VBLKLP		VBLKOH							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
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	960	U						
Chloromethane	10	U	960	U						
Vinyl Chloride	10	U	960	U						
Bromomethane	10	U	960	U						
Chloroethane	10	U	960	U						
Trichlorofluoromethane	10	U	960	U						
1,1-Dichloroethene	10	U	960	U						
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	960	U						
Acetone	2	J	540	J						
Carbon Disulfide	10	U	960	U						
Methyl Acetate	10	U	960	U						
Methylene Chloride	5	J	120	J						
trans-1,2-Dichloroethene	10	U	960	U						
Methyl tert-Butyl Ether	10	U	960	U						
1,1-Dichloroethane	10	U	960	U						
cis-1,2-Dichloroethene	10	U	960	U						
2-Butanone	10	U	960	U						
Chloroform	10	U	960	U						
1,1,1-Trichloroethane	10	U	960	U						
Cyclohexane	10	U	960	U						
Carbon Tetrachloride	10	U	960	U						
Benzene	10	U	960	U						
1,2-Dichloroethane	10	U	960	U						
Trichloroethene	10	U	960	U						
Methylcyclohexane	10	U	960	U						
1,2-Dichloropropane	10	U	960	U						
Bromodichloromethane	10	U	960	U						
cis-1,3-Dichloropropene	10	U	960	U						
4-Methyl-2-pentanone	10	U	960	U						
Toluene	10	U	960	U						
trans-1,3-Dichloropropene	10	U	960	U						
1,1,2-Trichloroethane	10	U	960	U						
Tetrachloroethene	10	U	960	U						

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00X5
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06/11/2002

Number of Soil Samples : 3
Number of Water Samples : 0

Sample Number :	VBLKLP		VBLKOH							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
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	960	U						
Dibromochloromethane	10	U	960	U						
1,2-Dibromoethane	10	U	960	U						
Chlorobenzene	10	U	960	U						
Ethylbenzene	10	U	960	U						
Xylenes (total)	10	U	960	U						
Styrene	10	U	960	U						
Bromoform	10	U	960	U						
Isopropylbenzene	10	U	960	U						
1,1,2,2-Tetrachloroethane	10	U	960	U						
1,3-Dichlorobenzene	10	U	960	U						
1,4-Dichlorobenzene	10	U	960	U						
1,2-Dichlorobenzene	10	U	960	U						
1,2-Dibromo-3-chloropropane	10	U	960	UJ						
1,2,4-Trichlorobenzene	10	UJ	960	U						

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00X5
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06/11/2002

Number of Soil Samples : 3
Number of Water Samples : 0

Sample Number :	VBLKOG		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-trifluoroethane	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	10	U						
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	U	10	U						
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	10	U	10	U						

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00X5
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer : S. Tobin
Date : 06/11/2002

Number of Soil Samples : 3
Number of Water Samples : 0

Sample Number :	VBLKOG		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	U	10	U						
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	UJ	10	UJ						
1,2,4-Trichlorobenzene	4	J	10	U						

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5-30-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELSWORTH INDUSTRIAL PARK (IL)

CASE NUMBER: 30450 SDG NUMBER: E00X5

Number and Type of Samples: 3 (SOIL)

Sample Numbers: E00X5, E00X8, E00Y0

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.: 30450 **Bid Lot:** A

Contract No: 68-W-99-064 **Full Sample Analysis Price:** $275.00

First Sample in SDG: E00X5 **Sample Receipt Date:** 5/2/02
(Lowest EPA Sample Number in the first shipment of samples received under SDG.)

Last Sample in SDG: E00Y0 **Sample Receipt Date:** 5/3/02
(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. E00X5	11.
2. E00X8	12.
3. E00Y0	13.
4.	14.
5.	15.
6.	16.
7.	17.
8.	18.
9.	19.
10.	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

5/6/02
Date

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30450
DAS No:
SDG No: E00X5

L

Date Shipped 5/1/02 Carrier Name: UPS Airbill: 1Z 621 589 22 1002 025 3 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Date Received/Received by: Maylle Pulliaka Lab Contract No: 68W 1001 Unit Price: A Transfer To: 5/02/02 Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): James M. Salch Relinquished By: / Date / Time: / Received By: Relinquished By: / Date / Time: / Received By: Relinquished By: / Date / Time: / Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00X5	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-66005, 5-66006, 5-66007, 5-66008 (4)	X28A	5/1/02 14:30		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 87201
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact?__ Shipment Iced?__
VOA = CLP TCL Volatiles				

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA 20191-3136 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-050102-0001

USEPA Contract Laboratory Program

Organic Traffic Report

Case No: 30450
DAS No:
SDG No: E00X5

L

Date Shipped: 5/2/02 Carrier Name: UPS Airbill: J1329630841 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Date Received/Received by: 05/3/02 Megan Pudiale Lab Contract No: 68W99064 Unit Price: A ~~Transfer To:~~ ~~Date Received/Received By: 5/3/02 MP~~ ~~Lab Contract No: Price:~~	Sampler (Signature): James M. Salch Relinquished By: James M. Salch — Date / Time: 5-2-02 / 1800 — Received By: Relinquished By: — Date / Time: — Received By: Relinquished By: — Date / Time: — Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00X8	Soil/Sediment/ Jim Salch	L/G	drywt (21), VOA (21)	5-66014 (Ice Only), 5-66015 (Ice Only) (2)	X31	5/2/02 12:45		
E00Y0	Soil/Sediment/ Jim Salch	L/G	drywt (21), VOA (21)	5-66016 (Ice Only), 5-66017 (Ice Only) (2)	X29	5/2/02 17:15		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: E00X8	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 47641
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

drywt = dryweight, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-050202-0001

MAY 3 0 2002

SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 30450, SDG No. E00X5, Contract No. 68-W-99-064. Under this SDG there are 3 VOA analyses for 3 soil samples which were received at Ceimic Corporation on May 3, 2002.

This data package includes the analyses for the following samples from SDG No. E00X5, all of which are billable:

(1)

EPA ID	Ceimic ID	Analyses
E00X5	020439-01	VOA
E00X8	020439-02	VOA
E00Y0	020439-03	VOA

Sample Receipt

Cooler Temperatures upon receipt were 3°C and 6°C.

(2) **Instrumentation and Column Identification**

The following instruments were used for the analyses:

GC/MS Analysis

A. VOA

MS12: HP5973 GC/MS,25 m, 0.20mm ID, 1um, DB-624 capillary column
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

MS15: HP5970B GC/MS,105m, 0.53mm ID, 3 um, RTX-VOL 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 OLM04.2)

The following samples were received as Encore samples and analyzed according to Method 5035:

EPA ID:	Ceimic ID:
E00X5	020439-01
E00X8	020438-02
E00X8MS	020439-02MS
E00X8MSD	020438-02MSD
E00Y0	020439-03

The sample assigned QC,E00X8 (020439-02), required a medium level analysis. No Low level QC was performed.

Sample E00X5 (020439-01) was analyzed out of hold time. This sample also had low internal standard recoveries. No reanalysis was performed.

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.

Alfred Kwolek, GC/MS Specialist

5/29/02

Date

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKLP	98	84	96		0
02	E00X5	92	73	100		0
03	E00Y0	95	82	100		0
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05						
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		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-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Level:(low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKOH	100	96	98		0
02	E00X8	106	102	98		0
03	E00X8MS	104	102	94		0
04	E00X8MSD	100	96	98		0
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		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

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKOG	108	88	94		0
02	VHBLK01	102	86	94		0
03						
04						
05						
06						
07						
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix Spike - EPA Sample No.: E00X8 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	5200	0.0	4200	81	59-172
Trichloroethene	5200	130	4900	92	62-137
Benzene	5200	0.0	5000	96	66-142
Toluene	5200	0.0	5300	102	59-139
Chlorobenzene	5200	0.0	5200	100	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5200	5100	98	19	22	59-172
Trichloroethene	5200	5900	111	19	24	62-137
Benzene	5200	6000	115	18	21	66-142
Toluene	5200	6100	117	14	21	59-139
Chlorobenzene	5200	6000	115	14	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.

VBLKLP

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Lab File ID: LJ440 Lab Sample ID: V120513-B1

Date Analyzed: 05/13/02 Time Analyzed: 1407

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

Instrument ID: MS12

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00X5	020439-01	LJ444	1643
02	E00Y0	020439-03	LJ446	1745
03				
04				
05				
06				
07				
08				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOG

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Lab File ID: OK107 Lab Sample ID: V150521-B1

Date Analyzed: 05/21/02 Time Analyzed: 1133

GC Column: RTX-VOL ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MS15

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	020439-21	OK112	1703
02				
03				
04				
05				
06				
07				
08				
09				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOH

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Lab File ID: OK108 Lab Sample ID: V150521M-B1

Date Analyzed: 05/21/02 Time Analyzed: 1239

GC Column: RTX-VOL ID: 0.53 (mm) Heated Purge: (Y/N) N

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	E00X8	020439-02	OK109	1352
02	E00X8MS	020439-02MS	OK110	1450
03	E00X8MSD	020439-02MSD	OK111	1604
04				
05				
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COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00X5

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-01

Sample wt/vol: 6.0(g/mL) G Lab File ID: LJ444

Level: (low/med) LOW Date Received: 05/02/02

% Moisture: not dec. 15 Date Analyzed: 05/13/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	21	
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 ~~9~~	JB U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	B4
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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

ST 6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00X5

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-01

Sample wt/vol: 6.0(g/mL) G Lab File ID: LJ444

Level: (low/med) LOW Date Received: 05/02/02

% Moisture: not dec. 15 Date Analyzed: 05/13/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	4	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	180	
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

E00X5

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-01

Sample wt/vol: 6.0 (g/mL) G Lab File ID: LJ444

Level: (low/med) LOW Date Received: 05/02/02

% Moisture: not dec. 15 Date Analyzed: 05/13/02

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.05	62	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00X8

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-02

Sample wt/vol: 5.9(g/mL) G Lab File ID: OK109

Level: (low/med) MED Date Received: 05/03/02

% Moisture: not dec. 19 Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	(XU) ~~180~~	JBU
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	310	J
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

ST 6/10/02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00X8

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-02

Sample wt/vol: 5.9(g/mL) G Lab File ID: OK109

Level: (low/med) MED Date Received: 05/03/02

% Moisture: not dec. 19 Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	130	J
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	4500	
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.

E00X8

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-02

Sample wt/vol: 5.9 (g/mL) G Lab File ID: OK109

Level: (low/med) MED Date Received: 05/03/02

% Moisture: not dec. 19 Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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.

E00X8MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-02MS

Sample wt/vol: 5.9(g/mL) G Lab File ID: OK110

Level: (low/med) MED Date Received: 05/03/02

% Moisture: not dec. 19 Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	4200	
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	1300 ~~170~~	JBU
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	310	J
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	5000	
107-06-2	1,2-Dichloroethane	1300	U

SI 6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00X8MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-02MS

Sample wt/vol: 5.9(g/mL) G Lab File ID: OK110

Level: (low/med) MED Date Received: 05/03/02

% Moisture: not dec. 19 Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	4900	
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	5300	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	4500	
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	5200	
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00X8MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-02MSD

Sample wt/vol: 5.9(g/mL) G Lab File ID: OK111

Level: (low/med) MED Date Received: 05/03/02

% Moisture: not dec. 19 Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	5100	
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	1300 ~~180~~	~~J~~ BU
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	280	J
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	6000	
107-06-2	1,2-Dichloroethane	1300	U

ST 6/10/02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00X8MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-02MSD

Sample wt/vol: 5.9(g/mL) G Lab File ID: OK111

Level: (low/med) MED Date Received: 05/03/02

% Moisture: not dec. 19 Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	5900	
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	6100	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	4400	
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	6000	
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y0

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-03

Sample wt/vol: 6.4(g/mL) G Lab File ID: LJ446

Level: (low/med) LOW Date Received: 05/03/02

% Moisture: not dec. 12 Date Analyzed: 05/13/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	5	J
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 ~~3~~	~~J~~B U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~7~~	~~J~~B U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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

5 6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y0

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-03

Sample wt/vol: 6.4(g/mL) G Lab File ID: LJ446

Level: (low/med) LOW Date Received: 05/03/02

% Moisture: not dec. 12 Date Analyzed: 05/13/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	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

EPA SAMPLE NO.

E00Y0

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: 020439-03

Sample wt/vol: 6.4 (g/mL) G Lab File ID: LJ446

Level: (low/med) LOW Date Received: 05/03/02

% Moisture: not dec. 12 Date Analyzed: 05/13/02

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

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

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	16.05	74	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) WATER Lab Sample ID: 020439-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK112

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

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/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) WATER Lab Sample ID: 020439-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK112

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

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/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-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) WATER Lab Sample ID: 020439-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK112

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLP

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: V120513-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LJ440

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

VBLKLP

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: V120513-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LJ440

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/02

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

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

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

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKLP

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: V120513-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LJ440

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/02

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOG

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) WATER Lab Sample ID: V150521-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK107

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

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/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.

VBLKOG

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) WATER Lab Sample ID: V150521-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK107

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

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/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	4	J

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKOG

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) WATER Lab Sample ID: V150521-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK107

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.90	52	J
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
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11.				
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27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOH

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: V150521M-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: OK108

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	540	J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	120	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.

VBLKOH

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: V150521M-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: OK108

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKOH

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00X5

Matrix: (soil/water) SOIL Lab Sample ID: V150521M-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: OK108

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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27.				
28.				
29.				
30.				

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

Sample Delivery Group: E00X5 CERCLIS No: ILNCC0508246

Case No: 30450 Site Name/Location: ELSWORTH INDUS PARK

Contractor or EPA Lab: CEMIC Data User: IEPA

No. of Samples: 3 Date Sampled or Date Received: 5-30-02

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: 3 No. of samples received: 3

Received by: Ewa M. Dixon/ESAT Date: 5-30-02

Received by LSSS: Ewa M. Dixon/ESAT Date: 5-30-02

Review started: 6/0/02 Reviewer Signature: Stephanie Tobin

Total time spent on review: ____ Date review completed: ____

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: ____

X-32 + Dup
X-32B
X-30

DATE: June 7, 2002

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

Attn: Bob Casper

SITE NAME: Elsworth Industrial Park

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
30450	Ceimic	4	E00Y1	Soil

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

RECEIVED
JUN 12 2002
IEPA-BOL-FSRS

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

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on May 29, 2002

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Ellsworth Industrial Park (IL)

CASE NUMBER: 30450 SDG NUMBER: E00Y1

Number and Type of Samples: 4 Soils

Sample Numbers: E00Y1 - E00Y3, E00Y7

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

RECEIVED
JUN 12 2002
IEPA-DCL-FSRS

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

Case Number : 30450 SDG Number: E00Y1
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

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

Four (4) soil samples, numbered *E00Y1* through *E00Y3* and *E00Y7*, were collected on *May 3, 2002*. The lab received the samples on *May 6, 2002* in good condition. All samples were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLM04.2* 5/99.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 5, 2002

Case Number : 30450 SDG Number: E00Y1
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

1. HOLDING TIME

No problems found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration 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, 2-Hexanone, 1,2,4-Trichlorobenzene
E00Y2MS, E00Y2MSD, VBLKLM, VHBLK01

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

Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Carbon Disulfide
E00Y1, E00Y2, E00Y3, E00Y7, VBLKQN

Acetone, 2-Butanone, 2-Hexanone
E00Y2MS, E00Y2MSD, VBLKLM, VHBLK01

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" or "UJ" and non-detects are not flagged.

Acetone
E00Y2MS

Methylene Chloride
E00Y2MSD, VHBLK01

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" or "UJ" and non-detects are not flagged.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 5, 2002

Case Number : 30450 SDG Number: E00Y1
:e Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

Acetone
E00Y2MSD, VHBLK01

Methylene Chloride
E00Y1, E00Y2, E00Y2MS, E00Y3, E00Y7

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

Toluene
E00Y2MS, E00Y2MSD, E00Y7

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No problems found for this qualification.

7. FIELD BLANK AND FIELD DUPLICATE

Sample *E00Y2* is a field duplicate of Sample *E00Y1*. Sample E00Y1 contains Trichlorofluoromethane at 2 µg/Kg and Acetone at 12 µg/Kg. Sample E00Y2 contains Acetone at 10 µg/Kg. Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

No problems found for this qualification.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA 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".

E00Y1
Trichlorofluoromethane

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 5, 2002

Case Number : 30450 SDG Number: E00Y1
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

E00Y3
Acetone

E00Y7
Acetone, 1,1,1-Trichloroethane, Methylcyclohexane, Toluene

VBLKLM
Acetone, Methylene Chloride

VBLKQN
Methylene Chloride, 4-Methyl-2-pentanone

VHBLK01
Methyl Acetate, Toluene

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12 ADDITIONAL INFORMATION

None.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 5, 2002

CADRE Data Qualifier Sheet

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

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00Y1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 4
Number of Water Samples : 0

Sample Number :	E00Y1		E00Y2		E00Y2MS		E00Y2MSD		E00Y3	
Sampling Location :	X32		X32DUP		X32DUP		X32DUP		X32B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/03/2002		05/03/2002		05/03/2002		05/03/2002		05/03/2002	
Time Sampled :	10:45		10:45		10:45		10:45		11:30	
%Moisture :	11		11		11		11		14	
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	9	U	9	U	9	U	8	U	8	U
Chloromethane	9	U	9	U	9	U	8	U	8	U
Vinyl Chloride	9	U	9	U	9	U	8	U	8	U
Bromomethane	9	U	9	U	9	U	8	U	8	U
Chloroethane	9	U	9	U	9	U	8	U	8	U
Trichlorofluoromethane	2	J	9	UJ	9	U	8	U	8	UJ
1,1-Dichloroethene	9	U	9	U	34		42		8	U
1,1,2-Trichloro-1,2,2-trifluoroethane	9	UJ	9	UJ	9	U	8	U	8	UJ
Acetone	12	J	10		13	UJ	8	UJ	7	J
Carbon Disulfide	9	UJ	9	UJ	9	U	8	U	8	UJ
Methyl Acetate	9	U	9	U	9	U	8	U	8	U
Methylene Chloride	9	U	9	U	9	UJ	11	UJ	8	U
trans-1,2-Dichloroethene	9	U	9	U	9	U	8	U	8	U
Methyl tert-Butyl Ether	9	U	9	U	9	U	8	U	8	U
1,1-Dichloroethane	9	U	9	U	9	U	8	U	8	U
cis-1,2-Dichloroethene	9	U	9	U	9	U	8	U	8	U
2-Butanone	9	U	9	U	9	UJ	8	UJ	8	U
Chloroform	9	U	9	U	9	U	8	U	8	U
1,1,1-Trichloroethane	9	U	9	U	9	U	8	U	8	U
Cyclohexane	9	U	9	U	9	U	8	U	8	U
Carbon Tetrachloride	9	U	9	U	9	U	8	U	8	U
Benzene	9	U	9	U	38		41		8	U
1,2-Dichloroethane	9	U	9	U	9	U	8	U	8	U
Trichloroethene	9	U	9	U	32		38		8	U
Methylcyclohexane	9	U	9	U	9	U	8	U	8	U
1,2-Dichloropropane	9	U	9	U	9	U	8	U	8	U
Bromodichloromethane	9	U	9	U	9	U	8	U	8	U
cis-1,3-Dichloropropene	9	U	9	U	9	U	8	U	8	U
4-Methyl-2-pentanone	9	U	9	U	9	U	8	U	8	U
Toluene	9	U	9	U	35	J	42	J	8	U
trans-1,3-Dichloropropene	9	U	9	U	9	U	8	U	8	U
1,1,2-Trichloroethane	9	U	9	U	9	U	8	U	8	U
Tetrachloroethene	9	U	9	U	9	U	8	U	8	U

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00Y1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E00Y1		E00Y2		E00Y2MS		E00Y2MSD		E00Y3	
Sampling Location :	X32		X32DUP		X32DUP		X32DUP		X32B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/03/2002		05/03/2002		05/03/2002		05/03/2002		05/03/2002	
Time Sampled :	10:45		10:45		10:45		10:45		11:30	
%Moisture :	11		11		11		11		14	
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	9	U	9	U	9	UJ	8	UJ	8	U
Dibromochloromethane	9	U	9	U	9	U	8	U	8	U
1,2-Dibromoethane	9	U	9	U	9	U	8	U	8	U
Chlorobenzene	9	U	9	U	31		38		8	U
Ethylbenzene	9	U	9	U	9	U	8	U	8	U
Xylenes (total)	9	U	9	U	9	U	8	U	8	U
Styrene	9	U	9	U	9	U	8	U	8	U
Bromoform	9	U	9	U	9	U	8	U	8	U
Isopropylbenzene	9	U	9	U	9	U	8	U	8	U
1,1,2,2-Tetrachloroethane	9	U	9	U	9	U	8	U	8	U
1,3-Dichlorobenzene	9	U	9	U	9	U	8	U	8	U
1,4-Dichlorobenzene	9	U	9	U	9	U	8	U	8	U
1,2-Dichlorobenzene	9	U	9	U	9	U	8	U	8	U
1,2-Dibromo-3-chloropropane	9	U	9	U	9	U	8	U	8	U
1,2,4-Trichlorobenzene	9	U	9	U	9	UJ	8	UJ	8	U

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00Y1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E00Y7		VBLKLM		VBLKQN		VHBLK01			
Sampling Location :	X30									
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :	05/03/2002									
Time Sampled :	13:00									
%Moisture :	15		N/A		N/A		0			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*	*Result*	*Flag*
Dichlorodifluoromethane	8	U	10	U	10	U	10	U		
Chloromethane	8	U	10	U	10	U	10	U		
Vinyl Chloride	8	U	10	U	10	U	10	U		
Bromomethane	8	U	10	U	10	U	10	U		
Chloroethane	8	U	10	U	10	U	10	U		
Trichlorofluoromethane	8	UJ	10	U	10	UJ	10	U		
1,1-Dichloroethene	8	U	10	U	10	U	10	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	8	UJ	10	U	10	UJ	10	U		
Acetone	6	J	2	J	10	U	10	UJ		
Carbon Disulfide	8	UJ	10	U	10	UJ	10	U		
Methyl Acetate	8	U	10	U	10	U	6	J		
Methylene Chloride	8	U	8	J	6	J	12	UJ		
trans-1,2-Dichloroethene	8	U	10	U	10	U	10	U		
Methyl tert-Butyl Ether	8	U	10	U	10	U	10	U		
1,1-Dichloroethane	8	U	10	U	10	U	10	U		
cis-1,2-Dichloroethene	8	U	10	U	10	U	10	U		
2-Butanone	8	U	10	UJ	10	U	10	UJ		
Chloroform	8	U	10	U	10	U	10	U		
1,1,1-Trichloroethane	4	J	10	U	10	U	10	U		
Cyclohexane	8	U	10	U	10	U	10	U		
Carbon Tetrachloride	8	U	10	U	10	U	10	U		
Benzene	8	U	10	U	10	U	10	U		
1,2-Dichloroethane	8	U	10	U	10	U	10	U		
Trichloroethene	8	U	10	U	10	U	10	U		
Methylcyclohexane	1	J	10	U	10	U	10	U		
1,2-Dichloropropane	8	U	10	U	10	U	10	U		
Bromodichloromethane	8	U	10	U	10	U	10	U		
cis-1,3-Dichloropropene	8	U	10	U	10	U	10	U		
4-Methyl-2-pentanone	8	U	10	U	2	J	10	U		
Toluene	1	J	10	U	10	U	3	J		
trans-1,3-Dichloropropene	8	U	10	U	10	U	10	U		
1,1,2-Trichloroethane	8	U	10	U	10	U	10	U		
Tetrachloroethene	8	U	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 30450 SDG : E00Y1
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E00Y7		VBLKLM		VBLKQN		VHBLK01			
Sampling Location :	X30									
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :	05/03/2002									
Time Sampled :	13:00									
%Moisture :	15		N/A		N/A		0			
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	8	U	10	UJ	10	U	10	UJ		
Dibromochloromethane	8	U	10	U	10	U	10	U		
1,2-Dibromoethane	8	U	10	U	10	U	10	U		
Chlorobenzene	8	U	10	U	10	U	10	U		
Ethylbenzene	8	U	10	U	10	U	10	U		
Xylenes (total)	8	U	10	U	10	U	10	U		
Styrene	8	U	10	U	10	U	10	U		
Bromoform	8	U	10	U	10	U	10	U		
Isopropylbenzene	8	U	10	U	10	U	10	U		
1,1,2,2-Tetrachloroethane	8	U	10	U	10	U	10	U		
1,3-Dichlorobenzene	8	U	10	U	10	U	10	U		
1,4-Dichlorobenzene	8	U	10	U	10	U	10	U		
1,2-Dichlorobenzene	8	U	10	U	10	U	10	U		
1,2-Dibromo-3-chloropropane	8	U	10	U	10	U	10	U		
1,2,4-Trichlorobenzene	8	U	10	UJ	10	U	10	UJ		

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5-29-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELSWORTH INDUSTRIAL PARK (IL)

CASE NUMBER: 30450 SDG NUMBER: E0041

Number and Type of Samples: 4 (SOIL)

Sample Numbers: E0041-3, E0047

Laboratory: CEIMIC Hrs for Review:

Following are our findings:

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

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30450
DAS No:
SDG No: E00Y1

L

Date Shipped: 5/3/02
Carrier Name: UPS
Airbill: J1329630850
Shipped to: Ceimic Corporation
10 Dean Knauss Drive
Narragansett RI 02882
(401) 782-8900

Date Received/Received by: 5/06/02 Elizabeth Astrug
Lab Contract No: 68W99064 Unit Price: A

~~Transfer To: EA~~
~~Date Received/Received By: 5/06/02~~
~~Lab Contract No: Price:~~

Sampler (Signature): James M. Salch

Relinquished By:	Date / Time	Received By:
[illegible]	5-3-02/1400	Elizabeth Astrug
Relinquished By:	Date / Time	Received By:
Relinquished By:	Date / Time	Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00Y1	Soil/Sediment/ Jim Salch	L/G	drywt (21) VOA (21)	5-66018 (Ice Only), 5-66019 (Ice Only) (2)	X32	5/3/02 10:45		
E00Y2	Soil/Sediment/ Jim Salch	L/G	drywt (21), VOA (21)	5-66020 (Ice Only), 5-66021 (Ice Only) (2)	X32dup	5/3/02 10:45		
E00Y3	Soil/Sediment/ Jim Salch	L/G	drywt (21), VOA (21)	5-66022 (Ice Only), 5-66023 (Ice Only) (2)	X32b	5/3/02 11:30		
E00Y7	Soil/Sediment/ Jim Salch	L/G	drywt (21), VOA (21)	5-66031 (Ice Only), 5-66032 (Ice Only) (2)	X30	5/3/02 13:00		

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC: E00Y2	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 87202	
Analysis Key:	Concentration: L = Low M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact?__	Shipment Iced?__
drywt = dryweight, VOA = CLP TCL Volatiles					

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-050302-0001

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

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

Case No.: 30450 **Bid Lot:** A

Contract No: 68-W-99-064 **Full Sample Analysis Price:** $275.00

First Sample in SDG: E00Y1 **Sample Receipt Date:** 5/6/02
(Lowest EPA Sample Number in the first shipment of samples received under SDG.)

Last Sample in SDG: E00Y7 **Sample Receipt Date:** 5/6/02
(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. E00Y1	**11.**
2. E00Y2	**12.**
3. E00Y3	**13.**
4. E00Y7	**14.**
5.	**15.**
6.	**16.**
7.	**17.**
8.	**18.**
9.	**19.**
10.	**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

5/7/02
Date

SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 30450, SDG No. E00Y1, Contract No. 68-W-99-064. Under this SDG there are 4 VOA analyses for 4 soil samples which were received at Ceimic Corporation on May 6, 2002.

This data package includes the analyses for the following samples from SDG No. E00Y1, all of which are billable:

(1)

EPA ID	Ceimic ID	Analyses
E00Y1	020452-01	VOA
E00Y2	020452-02	VOA
E00Y3	020452-03	VOA
E00Y7	020452-04	VOA

Sample Receipt

Cooler Temperatures upon receipt were 6°C.

(2) **Instrumentation and Column Identification**

The following instruments were used for the analyses:

GC/MS Analysis

A. VOA

MS12: HP5973 GC/MS,25 m, 0.20mm ID, 1um, DB-624 capillary column
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

MS17: HP5973 GC/MS, 30m, 0.25mm ID, 1.4 um, RTX-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

(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 OLM04.2)

The following samples were received as Encore samples and analyzed according to Method 5035:

EPA ID:	Ceimic ID:
E00Y1	020452-01
E00Y2	020452-02
E00Y2MS	020452-02MS
E00Y2MSD	020452-02MSD
E00Y3	020452-03
E00Y7	020452-04

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.

Alfred Kwolek, GC/MS Specialist

5/28/02

Date

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKQN	104	104	102		0
02	E00Y1	100	108	108		0
03	E00Y2	100	110	106		0
04	E00Y3	102	108	108		0
05	E00Y7	102	110	108		0
06	VBLKLM	92	82	92		0
07	E00Y2MS	92	80	94		0
08	E00Y2MSD	96	78	90		0
09	VHBLK01	92	78	90		0
10						
11						
12						
13						
14						
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16						
17						
18						
19						
20						
21						
22						
23						
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25						
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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

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix Spike - EPA Sample No.: E00Y2 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	50	0.0	34	68	59-172
Trichloroethene	50	0.0	32	64	62-137
Benzene	50	0.0	38	76	66-142
Toluene	50	0.0	35	70	59-139
Chlorobenzene	50	0.0	31	62	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	42	84	21	22	59-172
Trichloroethene	50	38	76	17	24	62-137
Benzene	50	41	82	8	21	66-142
Toluene	50	42	84	18	21	59-139
Chlorobenzene	50	38	76	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: 0 out of 10 outside limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKLM

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Lab File ID: LJ508 Lab Sample ID: V120516-B1

Date Analyzed: 05/16/02 Time Analyzed: 1202

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

Instrument ID: MS12

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00Y2MS	020452-02MS	LJ509	1247
02	E00Y2MSD	020452-02MSD	LJ510	1318
03	VHBLK01	020452-21	LJ511	1349
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
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26				
27				
28				
29				
30				

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKQN

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Lab File ID: Q1165 Lab Sample ID: V170513-B1

Date Analyzed: 05/13/02 Time Analyzed: 1731

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

Instrument ID: MS17

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00Y1	020452-01	Q1173	2212
02	E00Y2	020452-02	Q1174	2247
03	E00Y3	020452-03	Q1175	2323
04	E00Y7	020452-04	Q1176	2358
05				
06				
07				
08				
09				
10				
11				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y1

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-01

Sample wt/vol: 6.0(g/mL) G Lab File ID: Q1173

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/13/02

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/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	2	J
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	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~5~~	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E00Y1

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-01

Sample wt/vol: 6.0(g/mL) G Lab File ID: Q1173

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/13/02

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/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

E00Y1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-01

Sample wt/vol: 6.0 (g/mL) G Lab File ID: Q1173

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/13/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y2

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-02

Sample wt/vol: 6.4(g/mL) G Lab File ID: Q1174

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/13/02

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/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	
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~5~~	JB ~~U~~
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E00Y2

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-02

Sample wt/vol: 6.4(g/mL) G Lab File ID: Q1174

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/13/02

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/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.

E00Y2

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-02

Sample wt/vol: 6.4 (g/mL) G Lab File ID: Q1174

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/13/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y2MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-02MS

Sample wt/vol: 6.3(g/mL) G Lab File ID: LJ509

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/16/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	34	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	13	B U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~6~~	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	38	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y2MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-02MS

Sample wt/vol: 6.3(g/mL) G Lab File ID: LJ509

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/16/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	32	
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	35	
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	31	
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.

E00Y2MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-02MSD

Sample wt/vol: 6.8(g/mL) G Lab File ID: LJ510

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/16/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	42	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10 ~~4~~	JB U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	11	B U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	41	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y2MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-02MSD

Sample wt/vol: 6.8(g/mL) G Lab File ID: LJ510

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 11 Date Analyzed: 05/16/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	38	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	42	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	38	
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.

E00Y3

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-03

Sample wt/vol: 6.9(g/mL) G Lab File ID: Q1175

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 14 Date Analyzed: 05/13/02

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/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	7	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~4~~	JB
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E00Y3

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-03

Sample wt/vol: 6.9(g/mL) G Lab File ID: Q1175

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 14 Date Analyzed: 05/13/02

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/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

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EPA SAMPLE NO.

E00Y3

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-03

Sample wt/vol: 6.9 (g/mL) G Lab File ID: Q1175

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 14 Date Analyzed: 05/13/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y7

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-04

Sample wt/vol: 7.0(g/mL) G Lab File ID: Q1176

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 15 Date Analyzed: 05/13/02

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/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	6	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ↗	JB
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	4	J
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.

E00Y7

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-04

Sample wt/vol: 7.0(g/mL) G Lab File ID: Q1176

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 15 Date Analyzed: 05/13/02

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/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	1	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Y7

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-04

Sample wt/vol: 7.0 (g/mL) G Lab File ID: Q1176

Level: (low/med) LOW Date Received: 05/06/02

% Moisture: not dec. 15 Date Analyzed: 05/13/02

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/Kg

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-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-21

Sample wt/vol: 5.0(g/mL) G Lab File ID: LJ511

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10 ~~2~~	JB µ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	6	J
75-09-2	Methylene Chloride	12	B µ
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-21

Sample wt/vol: 5.0(g/mL) G Lab File ID: LJ511

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: 020452-21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LJ511

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/02

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKLM

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: V120516-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LJ508

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/02

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	8	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

VBLKLM

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: V120516-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: LJ508

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/02

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

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKLM

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: V120516-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: LJ508

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/02

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

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKQN

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: V170513-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: Q1165

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/02

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/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	6	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

VBLKQN

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: V170513-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: Q1165

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/02

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/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	2	J
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.

VBLKQN

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30450 SAS No.: SDG No.: E00Y1

Matrix: (soil/water) SOIL Lab Sample ID: V170513-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: Q1165

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0041 CERCLIS No: ILN000508246

Case No: 30150 Site Name/Location: ELSWORTH INDUS. PARK

Contractor or EPA Lab: CEIMIC Data User: IEPA

No. of Samples: 4 Date Sampled or Date Received: 5-29-02

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: 4 No. of samples received: 4

Received by: Eva M. Dixon/ESAT Date: 5-29-02

Received by LSSS: Eva M. Dixon/ESAT Date: 5-29-02

Review started: June 3, 2002 Reviewer Signature: Allison C Harvey

Total time spent on review: 4 hrs Date review completed: June 5, 2002

Copied by: Eva M. Dixon/ESAT Date: 6-7-02

Mailed to user by: Eva M. Dixon/ESAT Date: 6-7-02

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: ____

GP-14
GP-20 + 20D
x-21A
x-21B
x-16

DATE: June 12, 2002

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

Attn: Bob Casper

SITE NAME: Elsworth Industrial Park

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
30472	Compuchem	6	E00Y9	Soil

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on May 29, 2002

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Ellsworth Industrial Park (IL)

CASE NUMBER: 30472 SDG NUMBER: E00Y9

Number and Type of Samples: 6 Soils

Sample Numbers: E00Y9, E00Z1, E00Z2, E00Z6, E00Z7, E00Z9

Laboratory: Compuchem Hrs. for Review: _____

Following are our findings:

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

Case Number : 30472 SDG Number: E00Y9
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: COMPUCHEM

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

Six (6) soil samples, numbered *E00Y9, E00Z1, E00Z2, E00Z6, E00Z7* and *E00Z9*, were collected on *May 8th, 9th and 15th, 2002*. The lab received the samples on *May 9th, 10th* and *16th, 2002* in good condition. All samples were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLM04.2* 5/99.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 12, 2002

Case Number : 30472 SDG Number: E00Y9
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: COMPUCHEM

1. HOLDING TIME

No problems found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

3. CALIBRATION

The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Bromomethane
E00Y9RE, E00Z2, E00Z6, E00Z7, E00Z9, VBLKGV

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".

Bromomethane
VBLKKV, VHBLKGT

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".

Bromomethane, Acetone, Methyl Acetate, 2-Butanone
VBLKKV, VHBLKGT

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-detec are not flagged.

Acetone
E00Y9RE, E00Z6, E00Z9

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 hav been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 12, 2002

Case Number : 30472 SDG Number: E00Y9
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: COMPUCHEM

E00Z9, VHBLKGT
Styrene

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.

Acetone
E00Y9, E00Z1, E00Z2, E00Z7, VHBLKGT

Methylene Chloride
E00Y9, E00Y9RE, E00Z1, E00Z6, E00Z7, VHBLKGT

2-Butanone
E00Y9RE, E00Z6, E00Z9

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No volatile matrix spike data was reported for this SDG.

E00Y9, E00Y9RE, E00Z1, E00Z2, E00Z6, E00Z7, E00Z9

7. FIELD BLANK AND FIELD DUPLICATE

Sample *E00Z2* is a field duplicate of Sample *E00Z1*. Results for the duplicates are summarized in the following table:

VOA Analytes	E00Z1 µg/Kg	E00Z2 µg/Kg
Trichloroethene	3 J	2 J
Tetrachloroethene		2 J
VOA TICs	1	

Results are not qualified based upon the results of the field blank or field duplicates.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 12, 2002

Case Number : 30472 SDG Number: E00Y9
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: COMPUCHEM

8. INTERNAL STANDARDS

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

E00Y9RE
4-Methyl-2-pentanone, Toluene, Tetrachloroethene, 2-Hexanone, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Isopropylbenzene , 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA 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".

E00Y9, E00Y9RE
Carbon Disulfide

E00Z1
Trichloroethene

E00Z2
Trichloroethene, Tetrachloroethene

E00Z6
Vinyl Chloride, trans-1,2-Dichloroethene, 1,1-Dichloroethane, 1,1,1-Trichloroethane, Toluene Tetrachloroethene

E00Z9
Cyclohexane, Benzene, Methylcyclohexane, Toluene, Ethylbenzene, Xylenes (total)

VBLKGU
Acetone, Methylene Chloride, Xylenes (total), Styrene, Bromoform, 1,2,4-Trichlorobenzene

VBLKGV
Acetone, Methyl Acetate, Methylene Chloride, 2-Butanone, Styrene, Bromoform, 1,2-

Case Number : 30472 SDG Number: E00Y9
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: COMPUCHEM

Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

VBLKKV
Acetone, Methylene Chloride, Styrene, Bromoform

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

Sample E00Y9 arrived at the laboratory with a cooler temperature of 7 °C. Samples E00Z1, E00Z2, E00Z and E00Z7 arrived at the laboratory with a cooler temperature of 7.5 °C.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 12, 2002

CADRE Data Qualifier Sheet

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

TICS

Volatile Analysis Data - VBLKGU
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	5.28	31.000	J
	STRAIGHT-CHAIN ALKANE	5.75	16.000	J

FILE NAME: E00Y9.SDG DATE: 05/29/2002 TIME: 16:39 CADRE99 PAGE: 1

Volatile Analysis Data - E00Y9
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	LABORATORY ARTIFACT	12.79	10.000	J
	LABORATORY ARTIFACT	14.13	19.000	J

FILE NAME: E00Y9.SDG DATE: 05/29/2002 TIME: 16:39 CADRE99 PAGE: 2

Volatile Analysis Data - E00Z1
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	LABORATORY ARTIFACT	12.79	7.000	J

FILE NAME: E00Y9.SDG DATE: 05/29/2002 TIME: 16:39 CADRE99 PAGE: 3

Volatile Analysis Data - VBLKGV
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	5.28	14.000	J
	STRAIGHT-CHAIN ALKANE	5.75	7.000	J

FILE NAME: E00Y9.SDG DATE: 05/29/2002 TIME: 16:39 CADRE99 PAGE: 4

Volatile Analysis Data - E00Y9RE
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	LABORATORY ARTIFACT	12.79	8.000	J

FILE NAME: E00Y9.SDG DATE: 05/29/2002 TIME: 16:39 CADRE99 PAGE: 5

Volatile Analysis Data - E00Z6
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	LABORATORY ARTIFACT	12.79	21.000	J
	LABORATORY ARTIFACT	14.13	29.000	J

Volatile Analysis Data - E00Z7
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	LABORATORY ARTIFACT	12.79	10.000	J
	LABORATORY ARTIFACT	14.13	7.000	J

Volatile Analysis Data - E00Z9
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	5.27	21.000	JB
	STRAIGHT-CHAIN ALKANE	5.76	16.000	JB
	BRANCHED ALKANE	7.09	10.000	J
	STRAIGHT-CHAIN ALKANE	7.67	6.000	J

Volatile Analysis Data - VBLKKV
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	5.27	14.000	J
	STRAIGHT-CHAIN ALKANE	5.75	6.000	J
	UNKNOWN	6.22	0.000	
	UNKNOWN	7.09	0.000	

Volatile Analysis Data - VHBLKGT
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Y9

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	5.28	32.000	JB
	STRAIGHT-CHAIN ALKANE	5.75	18.000	JB

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Y9
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : LIBRTY
Reviewer :
Date :

Number of Soil Samples : 6
Number of Water Samples : 0

Sample Number :	E00Y9		E00Y9RE		E00Z1		E00Z2		E00Z6	
Sampling Location :	GP-14		GP-14		GP-20		GP-20-D		X21 A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/08/2002		05/08/2002		05/09/2002		05/09/2002		05/09/2002	
Time Sampled :	12:40		12:40		10:00		10:00		17:30	
%Moisture :	18		18		13		11		22	
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	12	U	12	U	11	U	11	U	13	U
Chloromethane	12	U	12	U	11	U	11	U	13	U
Vinyl Chloride	12	U	12	U	11	U	11	U	2	J
Bromomethane	12	U	12	UJ	11	U	11	UJ	13	UJ
Chloroethane	12	U	12	U	11	U	11	U	13	U
Trichlorofluoromethane	12	U	12	U	11	U	11	U	13	U
1,1-Dichloroethene	12	U	12	U	11	U	11	U	13	U
1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	12	U	11	U	11	U	13	U
Acetone	12	U	15	U	11	U	11	U	17	U
Carbon Disulfide	4	J	4	J	11	U	11	U	13	U
Methyl Acetate	12	U	12	U	11	U	11	U	13	U
Methylene Chloride	12	U	12	U	11	U	11	U	13	U
trans-1,2-Dichloroethene	12	U	12	U	11	U	11	U	7	J
Methyl tert-Butyl Ether	12	U	12	U	11	U	11	U	13	U
1,1-Dichloroethane	12	U	12	U	11	U	11	U	2	J
cis-1,2-Dichloroethene	12	U	12	U	11	U	11	U	250	
2-Butanone	12	U	12	U	11	U	11	U	13	U
Chloroform	12	U	12	U	11	U	11	U	13	U
1,1,1-Trichloroethane	12	U	12	U	11	U	11	U	2	J
Cyclohexane	12	U	12	U	11	U	11	U	13	U
Carbon Tetrachloride	12	U	12	U	11	U	11	U	13	U
Benzene	12	U	12	U	11	U	11	U	13	U
1,2-Dichloroethane	12	U	12	U	11	U	11	U	13	U
Trichloroethene	12	U	12	U	3	J	2	J	51	
Methylcyclohexane	12	U	12	U	11	U	11	U	13	U
1,2-Dichloropropane	12	U	12	U	11	U	11	U	13	U
Bromodichloromethane	12	U	12	U	11	U	11	U	13	U
cis-1,3-Dichloropropene	12	U	12	U	11	U	11	U	13	U
4-Methyl-2-pentanone	12	U	12	UJ	11	U	11	U	13	U
Toluene	12	U	12	UJ	11	U	11	U	4	J
trans-1,3-Dichloropropene	12	U	12	U	11	U	11	U	13	U
1,1,2-Trichloroethane	12	U	12	U	11	U	11	U	13	U
Tetrachloroethene	12	U	12	UJ	11	U	2	J	3	J

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Y9
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00Y9		E00Y9RE		E00Z1		E00Z2		E00Z6	
Sampling Location :	GP-14		GP-14		GP-20		GP-20-D		X21 A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/08/2002		05/08/2002		05/09/2002		05/09/2002		05/09/2002	
Time Sampled :	12:40		12:40		10:00		10:00		17:30	
%Moisture :	18		18		13		11		22	
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	12	U	12	UJ	11	U	11	U	13	U
Dibromochloromethane	12	U	12	U	11	U	11	U	13	U
1,2-Dibromoethane	12	U	12	UJ	11	U	11	U	13	U
Chlorobenzene	12	U	12	UJ	11	U	11	U	13	U
Ethylbenzene	12	U	12	UJ	11	U	11	U	13	U
Xylenes (total)	12	U	12	UJ	11	U	11	U	13	U
Styrene	12	U	12	UJ	11	U	11	U	13	U
Bromoform	12	U	12	U	11	U	11	U	13	U
Isopropylbenzene	12	U	12	UJ	11	U	11	U	13	U
1,1,2,2-Tetrachloroethane	12	U	12	UJ	11	U	11	U	13	U
1,3-Dichlorobenzene	12	U	12	UJ	11	U	11	U	13	U
1,4-Dichlorobenzene	12	U	12	UJ	11	U	11	U	13	U
1,2-Dichlorobenzene	12	U	12	UJ	11	U	11	U	13	U
1,2-Dibromo-3-chloropropane	12	U	12	UJ	11	U	11	U	13	U
1,2,4-Trichlorobenzene	12	U	12	UJ	11	U	11	U	13	U

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Y9
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00Z7		E00Z9		VBLKGU		VBLKGV		VBLKKV	
Sampling Location :	X21 B		X16							
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/09/2002		05/15/2002							
Time Sampled :	18:00		12:30							
%Moisture :	17		15		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	12	U	9	U	10	U	10	U	10	U
Chloromethane	12	U	9	U	10	U	10	U	10	U
Vinyl Chloride	12	U	9	U	10	U	10	U	10	U
Bromomethane	12	UJ	9	UJ	10	U	10	UJ	10	UJ
Chloroethane	12	U	9	U	10	U	10	U	10	U
Trichlorofluoromethane	12	U	9	U	10	U	10	U	10	U
1,1-Dichloroethene	12	U	9	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	9	U	10	U	10	U	10	U
Acetone	12	U	13	U	4	J	5	J	7	J
Carbon Disulfide	12	U	9	U	10	U	10	U	10	U
Methyl Acetate	12	U	9	U	10	U	3	J	10	UJ
Methylene Chloride	12	U	9	U	2	J	1	J	2	J
trans-1,2-Dichloroethene	12	U	9	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	12	U	9	U	10	U	10	U	10	U
1,1-Dichloroethane	12	U	9	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	12	U	9	U	10	U	10	U	10	U
2-Butanone	12	U	9	U	10	U	1	J	10	UJ
Chloroform	12	U	9	U	10	U	10	U	10	U
1,1,1-Trichloroethane	12	U	9	U	10	U	10	U	10	U
Cyclohexane	12	U	2	J	10	U	10	U	10	U
Carbon Tetrachloride	12	U	9	U	10	U	10	U	10	U
Benzene	12	U	1	J	10	U	10	U	10	U
1,2-Dichloroethane	12	U	9	U	10	U	10	U	10	U
Trichloroethene	12	U	9	U	10	U	10	U	10	U
Methylcyclohexane	12	U	2	J	10	U	10	U	10	U
1,2-Dichloropropane	12	U	9	U	10	U	10	U	10	U
Bromodichloromethane	12	U	9	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	12	U	9	U	10	U	10	U	10	U
4-Methyl-2-pentanone	12	U	9	U	10	U	10	U	10	U
Toluene	12	U	4	J	10	U	10	U	10	U
trans-1,3-Dichloropropene	12	U	9	U	10	U	10	U	10	U
1,1,2-Trichloroethane	12	U	9	U	10	U	10	U	10	U
Tetrachloroethene	12	U	9	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Y9
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	E00Z7		E00Z9		VBLKGU		VBLKGV		VBLKKV	
Sampling Location :	X21 B		X16							
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/09/2002		05/15/2002							
Time Sampled :	18:00		12:30							
%Moisture :	17		15		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	12	U	9	U	10	U	10	U	10	U
Dibromochloromethane	12	U	9	U	10	U	10	U	10	U
1,2-Dibromoethane	12	U	9	U	10	U	10	U	10	U
Chlorobenzene	12	U	9	U	10	U	10	U	10	U
Ethylbenzene	12	U	2	J	10	U	10	U	10	U
Xylenes (total)	12	U	4	J	1	J	10	U	10	U
Styrene	12	U	9	U	3	J	2	J	3	J
Bromoform	12	U	9	U	2	J	1	J	1	J
Isopropylbenzene	12	U	9	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	12	U	9	U	10	U	10	U	10	U
1,3-Dichlorobenzene	12	U	9	U	10	U	10	U	10	U
1,4-Dichlorobenzene	12	U	9	U	10	U	10	U	10	U
1,2-Dichlorobenzene	12	U	9	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	12	U	9	U	10	U	2	J	10	U
1,2,4-Trichlorobenzene	12	U	9	U	1	J	2	J	10	U

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Y9
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	VHBLKGT									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :										
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U								
Chloromethane	10	U								
Vinyl Chloride	10	U								
Bromomethane	10	UJ								
Chloroethane	10	U								
Trichlorofluoromethane	10	U								
1,1-Dichloroethene	10	U								
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U								
Acetone	10	U								
Carbon Disulfide	10	U								
Methyl Acetate	10	UJ								
Methylene Chloride	10	U								
trans-1,2-Dichloroethene	10	U								
Methyl tert-Butyl Ether	10	U								
1,1-Dichloroethane	10	U								
cis-1,2-Dichloroethene	10	U								
2-Butanone	10	UJ								
Chloroform	10	U								
1,1,1-Trichloroethane	10	U								
Cyclohexane	10	U								
Carbon Tetrachloride	10	U								
Benzene	10	U								
1,2-Dichloroethane	10	U								
Trichloroethene	10	U								
Methylcyclohexane	10	U								
1,2-Dichloropropane	10	U								
Bromodichloromethane	10	U								
cis-1,3-Dichloropropene	10	U								
4-Methyl-2-pentanone	10	U								
Toluene	10	U								
trans-1,3-Dichloropropene	10	U								
1,1,2-Trichloroethane	10	U								
Tetrachloroethene	10	U								

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Y9
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : LIBRTY
Reviewer :
Date :

Sample Number :	VHBLKGT									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :										
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10	U								
Dibromochloromethane	10	U								
1,2-Dibromoethane	10	U								
Chlorobenzene	10	U								
Ethylbenzene	10	U								
Xylenes (total)	10	U								
Styrene	10	U								
Bromoform	10	U								
Isopropylbenzene	10	U								
1,1,2,2-Tetrachloroethane	10	U								
1,3-Dichlorobenzene	10	U								
1,4-Dichlorobenzene	10	U								
1,2-Dichlorobenzene	10	U								
1,2-Dibromo-3-chloropropane	10	U								
1,2,4-Trichlorobenzene	10	U								

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5-29-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELSWORTH INDUSTRIAL PARK (IL)

CASE NUMBER: 30472 SDG NUMBER: E0049

Number and Type of Samples: 6 (SOIL)

Sample Numbers: E0049, E0021-2, E0026-7, E0029

Laboratory: Compuchem Hrs for Review:

Following are our findings:

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

CompuChem
a division of Liberty Analytical Corp.

ORIGINAL

Sample Delivery Group (SDG)
Cover Sheet

SDG Number E00Y9

Laboratory Name	CompuChem	Laboratory Code	LIBRTY
Contract No.	68W99070	Case No.	30472
Analysis Price	$483.35	SDG Turnaround	21

EPA Sample Numbers in SDG (Listed in Numerical Order)

1)	E00Y9	7)		13)		19)	
2)	E00Z1	8)		14)		20)	
3)	E00Z2	9)		15)		21)	
4)	E00Z6	10)		16)		22)	
5)	E00Z7	11)		17)		23)	
6)	E00Z9	12)		18)		24)	

E00Y9	E00Z9
First Sample in SDG	Last Sample in SDG
05/09/02	05/16/02
First Sample Receipt Date	Last Sample Receipt Date

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

Signature Alice Evans Date 05/16/02

Organic Traffic Report

Received on 5/20/02 (AF)

SDG No: E00Y9

L

ıte Shipped: 5/8/02 ırrier Name: UPS ırbill: 1Z6215892210020477 ıipped to: Liberty Analytical 501 Madison Avenue Cary NC 27513 (919) 379-4080	Date Received/Received by: 5/9/02 Alice Evans Lab Contract No: 68W99070 Unit Price: $ 483 35 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): James M. Salch Relinquished By: James M. Salch Date / Time: 5/8/02 1730 Received By: Relinquished By: Date / Time: 5/9/02 9:30 Received By: Alice Evans Relinquished By: Date / Time: Received By:	

ıRGANIC ıAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00Y9	Soil/Sediment/ Jim Salch	L/G	dry wght (21), VOA (21)	5-66033, 5-66034 (2)	GP-14	5/8/02 12:40		(GOOD)

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 7.5	Chain of Custody Seal Number: 87204	
Analysis Key: dry wght = dry weight, VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y	Shipment Iced? Y

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

Send Copy tc ıtract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9346 Fax 703/264-9222

TR Number: 5-324306854-050802-0003

USEPA Contract Laboratory Program
Organic Traffic Report

DAS No:
SDG No: E00Y9

L

Date Shipped: 5/9/02 Carrier Name: UPS Airbill: 1Z 621 589 22 1002 048 6 Shipped to: Liberty Analytical 501 Madison Avenue Cary NC 27513 (919) 379-4080	Date Received/Received by: 5/10/02 M. Stone Lab Contract No: 68W 99070 Unit Price: $483.35 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): James M. Salch		
		Relinquished By: James M. Salch	Date / Time: 5/9/02 1900	Received By:
		Relinquished By:	Date / Time:	Received By:
		Relinquished By:	Date / Time: 5/10/02 9:15	Received By: Melissa Stone

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00Z1	Soil/Sediment/ Jim Salch	L/G	dry wght (21), VOA (21)	5-66035 (Ice Only), 5-66036 (2)	GP-20	5/9/02 10:00		GOOD
E00Z2	Soil/Sediment/ Jim Salch	L/G	dry wght (21), VOA (21)	5-66037, 5-66038 (2)	GP-20-D	5/9/02 10:00		
E00Z5	Soil/Sediment/ Jim Salch	L/G	dry wght (21)	5-66054 (Ice Only) (1)	X21 A	5/9/02 17:30	USE E00Z6 SEE-E-MAIL	
E00Z6	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-66055 (Ice Only) (1)	X21 A	5/9/02 17:30		
E00Z7	Soil/Sediment/ Jim Salch	L/G	dry wght (21), VOA (21)	5-66056 (Ice Only), 5-66057 (Ice Only) (2)	X21 B	5/9/02 18:00		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 7°C	Chain of Custody Seal Number: 87205
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

dry wght = dry weight, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy ontract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Resto 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-324306854-050902-0001

USEPA Contract Laboratory Program
Organic Traffic Report

Case No:
DAS No:
SDG No: E00Y9

L

Date Shipped: 5/15/02 Carrier Name: UPS Airbill: 1Z6215892210020879 Shipped to: Liberty Analytical 501 Madison Avenue Cary NC 27513 (919) 379-4080	Date Received/Received by: 5/16/02 Alice Evan Lab Contract No: 66W99070 Unit Price: 483.35 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): James M. Salch	
		Relinquished By: James M. Salch	Date / Time: 5/15/02 18:30
		Relinquished By:	Date / Time: 5/16/02 1040
		Relinquished By:	Date / Time:
		Received By:	
		Received By: Joan Purdue	
		Received By:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00Z9	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66110 (Ice Only), 5-66111 (Ice Only) (2)	X16	5/15/02 12:30		GOOD SDG-FINAL SAMPLE

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5.2°C	Chain of Custody Seal Number: 97389
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓
DW = Dry Weight, VOA = CLP TCL Volatiles				

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

Send Copy t[illegible]ntract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, V[illegible]91-3436 Phone 703/264-9348 Fax 703/264-9222

TR Nun[illegible]er: 5-055166947-051502-0003

MAY 2 9 2002

CompuChem

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

SDG NARRATIVE
CASE #30472
SDG #E00Y9
CONTRACT # 68W99070

SAMPLE IDENTIFICATIONS: E00Y9 E00Z1 E00Z2 E00Z6 E00Z7 E00Z9

The six soil samples listed above were received intact, in EnCore samplers, at 7.0, 7.5, and 5.2 degrees C, with documentation, in sealed shipping containers, on May 09, 10, and 16, 2002. All samples were submitted for volatile only analysis, and were prepared by Modified SW846 Method 5035, and analyzed following Contract Laboratory Program(CLP) Statement of Work(SOW), document OLM04.2. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for Case # 30472, SDG # E00Y9 are included in the sample data sections.
SMO was informed of the following discrepancies: Sample E00Z5 is listed on the traffic report under analysis as 'dry wght', and sample E00Z6 under analysis as VOA, with both samples having the same station location collection date and time. The tag numbers for samples E00Y9(tag 5-066033), E00Z1(tag 5-066035), E00Z2(tag 5-066037), E00Z6(tag 5-066055), and E00Z7(tag 5-066056) were recorded on the DC-1 form, however a new employee discarded the sample tags. Since this occurrence the employee was instructed so this will not reoccur. The traffic report received on May 09, 2002 was the Region's copy, and upon receipt of the lab copy from the sampler, the laboratory can return the Region's TR. SMO informed the lab that E00Z5, and E00Z6 were the same sample, and should be reported under E00Z6, and that the laboratory TR would be in the cooler for the next shipment of 30472, and the Region's TR should the be returned to Region 5. A copy of the appropriate e-mail accompanies this narrative.

Analysis holding time requirements were met for all of these samples, and sample dry weight values ranged from 11 to 22 percent. The Target Compound List(TCL) analyte acetone was the most frequently identified above the Contract Required Quantitation Limit(CRQL) in the submitted samples, and significant levels of cis-1,2-dichloroethene, and trichloroethene were identified in E00Z6. The samples received on May 09, and 10 were analyzed twice from the two available EnCores, however due to an instrumentation problem the data was not useable. All remaining reporteable data for these samples were analyzed from the dry weight jars.
The analysis of sample E00Y9 failed low for response one internal standard in both original and repeat analyses, and we have reported and billed for both analyses to demonstrate matrix interference.

Other than laboratory artifact peaks, no reportable Tentatively Identified Compounds(TICs) were present in the submitted samples. Two early eluting alkanes at approximate times 5.28 and 5.75 minutes, were present in the method and storage blanks, and in the one sample E00Z9 from which EnCore data was reported. These peaks are believed by the laboratory to originate from the sodium bisulfate solution, and we are dealing with the vendor to correct this problem.
All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The system monitoring compounds (SMCs) met recovery criteria in the analyses of these samples, and all of the internal standards met retention time and response criteria in the analyses of these samples(except as noted above).
The associated method blanks met all quality control criteria, and did not contain any target analytes above the CRQL.
The associated storage blank met all QC criteria, and also did not contain any TCL analytes above the CRQL.

No duplicate matrix spikes were generated per client request.

Manual quantitations were performed on the process files in some of the the associated initial, and continuing calibration(s), and in samples E00Z9, E00Y9, and E00Z1. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

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.

Roy Sutton
Case Reviewer
May 28, 2002

ALKANE NARRATIVE REPORT
Report date : 05/28/2002
SDG: E00Y9

Client Sample ID: VBLKGU Lab Sample ID: WG17402-2 File ID: WG17402-2

Compound	RT	Est. Conc.	Q
Branched Alkane	5.28	31	J
Straight-Chain Alkane	5.75	16	J

Client Sample ID: VBLKGV Lab Sample ID: WG17402-3 File ID: WG17402-3

Compound	RT	Est. Conc.	Q
Branched Alkane	5.28	14	J
Straight-Chain Alkane	5.75	7	J

Client Sample ID: E00Z9 Lab Sample ID: E00Y9-6 File ID: E00Y9-6RB71

Compound	RT	Est. Conc.	Q
Branched Alkane	5.27	21	JB
Straight-Chain Alkane	5.76	16	JB
Branched Alkane	7.09	10	J
Straight-Chain Alkane	7.67	6	J

Client Sample ID: VBLKKV Lab Sample ID: WG17574-1 File ID: WG17574-1

Compound	RT	Est. Conc.	Q
Branched Alkane	5.27	14	J
Straight-Chain Alkane	5.75	6	J

Client Sample ID: VHBLKGT Lab Sample ID: WG17402-4 File ID: WG17402-

Compound	RT	Est. Conc.	Q
Branched Alkane	5.28	32	JB
Straight-Chain Alkane	5.75	18	JB

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GC/MS VOA Batch Sheet - Soils

SPP--1157-2237-243

Method: SOLM4

Batch #: _____

Encore

SAMPLENUM	CLIENTID	LOGINNUM	Wt	Time	Date	INST #	Operator	H/T	Volume	Report	Comments
E00Y9-1	E00Y9	E00Y9	5.49	2001	5-16-02	59	2513			IL, SL	
E00Y9-2	E00Z1	E00Y9	6.33	2031						IL, SL	
E00Y9-3	E00Z2	E00Y9	6.95	2102						IL, SL	
E00Y9-4	E00Z5	E00Y9	6.03	2123						IL, SL, DI	
E00Y9-5	E00Z7	E00Y9	6.02	2203						IL, SL	
WG17402-1	VBLKGT		5g	1922	5-16-02	59	2513			✓	
WG17402-2	VBLKGU		1	1641	5-17-2	71	2323			✓	
WG17402-3	VBLKGV		5.0gL	0014	5-18-2	71				✓	
WG17402-4	WAIT										
WG17402-5	WAIT										
WG17402-6	WAIT										
E00Y9-1R			6.27	~~0006~~ 0006	5/17	59	2513			IL/SH	
E00Y9-2R			7.09	~~003~~ 0107						IL/SH	
E00Y9-3R			6.89	0137						SH	
E00Y9-4R			6.28	0207						IL/SH	
E00Y9-5R			6.45	0237						IL/SH	
E00Y9-1R2			5.0gL	1707	5-17-2	71	2323			IL	From dry wt JAL
-2R2				1733						✓	
-3R2				1758						SH	
-4R2				1824						IL/SH	
-5R2				1849						IL/SH	
E00Y9-1R3			5.0gL	0104	5-18-2	71	2323			ES	From dry wt JAL
-3R3				0129						✓	
-4R3				0154						✓	
-5R3				0219						✓	

SAH 5/28/02

Hold 1 5/19
2.5 5/20

Due 5/30

6/27/01 rmh

CompuChem
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GC/MS VOA Batch Sheet - Soils

SPP--115 / -223 / -243

Method: solvent encore

Batch #: _____

SAMPLENUM	CLIENTID	LOGINNUM	Wt	Time	Date	INST #	Operator	H/T	Volume	Report	Comments
E00Y9-1	E00Y9	E00Y9									
E00Y9-2	E00Z1	E00Y9									
E00Y9-3	E00Z2	E00Y9									
E00Y9-4	E00Z6	E00Y9									
E00Y9-5	E00Z7	E00Y9									
WG17402-1	VBLKGT										
WG17402-2	VBLKGU										
WG17402-3	VBLKGV										
WG17402-4	VHBLKGT			1028	5-20	71	2423		5ml	—	
E00Y9-6	E00Z9	E00Y9	6:31	1915	5-17-2	71	2373			ILISH	
E00Y9-6R			6:37	0244	5-18-2	71					
~~E00Y9-6R2~~											

SAH 5/28/02

HT 5/26/02

Closed

Due 6/5/02

COMPUCHEM

Work Group Report (wk02)

10-MAY-02 04:14 PM

Work Group: WG17402
Department: 435 MS/VOA ANALYSIS **Created:** 10-MAY-02

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
E00Y9-1	E00Y9	VOA-LL-OLM04.2-ENCOF	Soil	09-MAY-02		
E00Y9-2	E00Z1	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
E00Y9-3	E00Z2	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
E00Y9-4	E00Z5	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
E00Y9-5	E00Z7	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
WG17402-1	VBLKGT	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
WG17402-2	VBLKGU	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
WG17402-3	VBLKGV	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
WG17402-4	WAIT	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
WG17402-5	WAIT	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		
WG17402-6	WAIT	VOA-LL-OLM04.2-ENCOF	Soil	10-MAY-02		

Comments

Internal Chain of Custody

Relinquished By	[illegible]	Date 5-16	Received By	[illegible]	Date 5-16	Reason	analysis
Relinquished By	[illegible]	Date 5-16	Received By	[illegible]	Date 5-16	Reason	STORAGE
Relinquished By	[illegible]	Date 5-17-2	Received By	[illegible]	Date 5-17-2	Reason	Analysis
Relinquished By	[illegible]	Date 5-17-2	Received By	[illegible]	Date 5-17-2	Reason	[illegible]
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	[illegible]

COMPUCHEM

Work Group Report (wk02)

17-MAY-02 11:21 AM

Work Group: WG17402

Department: 435 MS/VOA ANALYSIS **Created:** 10-MAY-02

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
E00Y9-1	E00Y9	VOA-LL-OLM04.2-ENCOR	Soil	09-MAY-02		
E00Y9-2	E00Z1	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
E00Y9-3	E00Z2	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
E00Y9-4	E00Z6	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
E00Y9-5	E00Z7	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
E00Y9-6	E00Z9	VOA-LL-OLM04.2-ENCOR	Soil	16-MAY-02		
WG17402-1	VBLKGT	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
WG17402-2	VBLKGU	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
WG17402-3	VBLKGV	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
WG17402-4	VHBLKGT	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
WG17402-5	W	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		
WG17402-6	WAIT	VOA-LL-OLM04.2-ENCOR	Soil	10-MAY-02		

Comments:

E00Y9-6 SDG COMPLETE

Internal Chain of Custody

Relinquished By	Ref #5	Date 5-17-2	Received By	Ron H	Date 5-17-2	Reason	Analysis
Relinquished By	Ron H	Date 5-17-2	Received By	Ref #5	Date 5-17-2	Reason	Temp Stg
linquished By	Ref #5	Date 5-20	Received By	N2	Date 5-20	Reason	Analysis
linquished By	N2	Date 5-20	Received By	Ref #5	Date 5-20	Reason	Storage
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	SAH 1/28/02

COMPUCHEM

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EnCore™ Preparation Worksheet

-238 / -243 / -233

SDG: E00Y9 Prepared By: KG Date: 5-10-02

	LoginNum	Date	Time	Weight of Jar (g)	Weight of Jar Sample (g)	Weight of Sample (g)
1	E00Y9-2	5-10-02	1840	35.58	42.41	6.83
2	R1		1842	35.32	42.37	~~7.0~~ 7.09
3	mech		1844	31.71	38.90	
4	E00Y9-3		1845	35.42	42.37	6.95
5	R1		1847	35.01	41.90	6.89
6	mech		1849	31.96	38.88	
7	E00Y9-4		1850	35.21	41.24	6.03
8	R1		1852	35.14	41.42	6.28
9	mech		1853	32.12	38.09	
10	E00Y9-5		1855	34.87	40.89	6.02
11	R1		1857	35.32	41.77	6.45
12	mech		1859	32.31	38.54	
13						
14						
15						
16						
17						
18						
19						
20						SCH 5/28/02
21						

Volume of Methanol Added: 5 ml

Lot Numbers of Preservatives: Sodium Bisulfate: T 41640 Methanol: CE 441

Reviewed By: SCH 5/28/02

10

*Weight of Jar for Sodium Bisulfate preserved Encores is the sum of the weights of the vial, preservative and stir b
*Weight of Jar for Methanol preserved Encores is the sum of the weights of the vial and preservative

COMPUCHEM

a Division of Liberty Analytical

EnCore™ Preparation Worksheet

-238 / -243 / -233

SDG: E00y9 Prepared By: KG Date: 5-9-02

	LoginNum	Date	Time	Weight of Jar (g)*	Weight of Jar + Sample (g)	Weight of Sample (g)
1	E00y9-1	5-9-02	21.02	34.87	40.36	5.49
2	R.	↓	21.04	34.74	41.01	6.27
3	mech	↓	21.06	32.56	38.05	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						5/26/02

Volume of Methanol Added: 5 ml

Lot Numbers of Preservatives: Sodium Bisulfate: 41640 Methanol: CE 441

Reviewed By: [signature]

*Weight of Jar for Sodium Bisulfate preserved Encores is the sum of the weights of the vial, preservative and stir b

*Weight of Jar for Methanol preserved Encores is the sum of the weights of the vial and preservative

COMPUCHEM

a Division of Liberty Analytical

EnCore™ Preparation Worksheet

-238 / -243 / -233

SDG: E00/9 Prepared By: KG Date: 5-16-02

	LoginNum	Date	Time	Weight of Jar (g)	Weight of Jar + Sample (g)	Weight of Sample (g)
1	E00/9-6	5-16-02	20-23	34.92	41.23	6.31
2	R1		20-25	35.00	41.37	6.37
3	mech		20-27	31.27	37.84	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						

Volume of Methanol Added: 5 ml

Lot Numbers of Preservatives: Sodium Bisulfate: T41640 Methanol: CE441

Reviewed By: [illegible] 5/28/02

12

*Weight of Jar for Sodium Bisulfate preserved Encores is the sum of the weights of the vial, preservative and stir b

*Weight of Jar for Methanol preserved Encores is the sum of the weights of the vial and preservative

Alice Evans

From: Brown, Jessica <Jessica.Brown@dyncorp.com>
To: Alice Evans (E-mail) <aevans@compuchemlabs.com>
Cc: Howard Pham (E-mail) <pham.howard@epa.gov>; Bob Casper (E-mail) <epa4407@epa.state.il.us>; Mark Wagner (E-mail 2) <EPA4415@epa.state.il.us>
Sent: Wednesday, May 15, 2002 3:48 PM
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue TR/COC discrepancy - project level | FINAL

Hi Alice,

Per Region 5, a copy of the unsigned Laboratory copy of the TR/COC # 5-324306854-050802-0003, Case 30472, will be faxed to LIBRTY. The signed copy will be in the cooler with the next shipment received under Case 30472. Please proceed with sending the Regional copy of the TR/COC to Region 5 upon receipt of the Laboratory copy.

Please let me know if you have any problems or questions.

Thanks,
Jessica

3:18PM 5/15/02
Jessica Brown, SMO, spoke with Howard Pham, USEPA Region 5 RSCC, concerning Case 30472. He said that I may proceed with sending over LIBRTY's copy of the TR (received by Jerry Willman, IL-EPA). The IL-EPA may proceed with sending the signed copy of the Laboratory's copy in the cooler with the next shipment for Case 30472 as long as it is well marked. LIBRTY should send the Regional copy to Region 5 once they receive their copy of the TR/COC.

2:56PM 5/15/02

Jessica Brown, SMO, left a voice-mail message for Howard Pham, USEPA Region 5 RSCC, concerning Case 30472.

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 15, 2002 12:21 PM
To: Howard Pham (E-mail)
Subject: FW: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue TR/COC discrepancy - project level

Hi Howard,

Please note that Jerry Willman, IL-EPA, proposed that the samplers send the signed Laboratory copy of the TR/COC from last week (#5-324306854-050802-0003) with the samples being shipped under the same Case number today instead of sending it separately.

Please advise.

Thanks,
Jessica

12:14PM 5/15/02
Jessica Brown, SMO, spoke with Jerry Willman, IL-EPA, concerning Case 30472. He proposed that the samplers send the signed Laboratory copy of the TR/COC from last week (#5-324306854-050802-0003) with the samples being shipped under the same Case number today.

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 15, 2002 12:16 PM
To: Howard Pham (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue TR/COC discrepancy - project level

Hi Howard,

Per Jerry Willman, IL-EPA, a copy of the unsigned Laboratory copy will be faxed to SMO to fax to LIBRTY. The signed copy will be mailed to the lab. The lab will then mail the Regional copy to Region 5 once they receive their copy of the TR/COC.

Is this OK with the Region?

Thanks,
Jessica

12:04PM 5/15/02
Jessica Brown, SMO, spoke with Jerry Willman, IL-EPA, concerning Case 30472. He will fax an unsigned copy of the Laboratory copy of the TR/COC to me to fax to LIBRTY. The signed copy of the Laboratory copy TR/COC will be mailed to the lab. LIBRTY should send the Regional copy of the TR/COC to Region 5 once they receive their copy.

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 15, 2002 11:16 AM
To: Howard Pham (E-mail); Mark Wagner (E-mail 2); Bob Casper (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue TR/COC discrepancy - project level
Importance: High

LIBRTY needs a copy of the Laboratory copy of the TR/COC for their records. A copy of the Laboratory copy of the TR/COC may be faxed to me and I will fax it to the lab. LIBRTY will also need the hard copy of the Laboratory copy of the TR/COC. This copy should be mailed directly to the lab. Because the TRs are produced by FORMS II Lite, the Regional copy should have been sent to the Region. I will request LIBRTY to send on their copy of the TR/COC to the Region, however, the lab will need a Laboratory copy of the TR/COC in order to proceed.

Thanks,
Jessica

-----Original Message-----
From: Pham.Howard@epamail.epa.gov [mailto:Pham.Howard@epamail.epa.gov]
Sent: Wednesday, May 15, 2002 11:03 AM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue TR/COC discrepancy - project level

Hi Jessica,

Please ask the lab send the to me the Regional TR/COC copy.

Thanks,

Howard Pham

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 15, 2002 9:32 AM
To: Mark Wagner (E-mail 2); Bob Casper (E-mail); Howard Pham (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue TR/COC discrepancy - project level

The following is an e-mail from LIBRTY concerning Case 30472, SDG E00Y9. The Regional copy of TR# 5-324306854-050802-0003 was received on 5/9/02. This TR listed sample E00Y9.

Please advise on how the lab should proceed.

Thanks,
Jessica

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Wednesday, May 15, 2002 8:32 AM
To: Brown, Jessica
Subject: Case 30472 SDG E00Y9

Jessica,

Liberty has received 1 Voa Encore sample on 05/09/02
and 4 on 05/10/02.

The Traffic Report received on 05/09/02 is the Regions copy.
Would you please ask the sampler to send us our copy or fax it
as there is information that we have to complete that is not
on the Region copy.
The TR no is 5-324306854-050802-0003. The sample no on
the TR is E00Y9.
Thanks.
Alice

Alice Evans
CompuChem/Liberty
501 Madison Ave
Cary, NC 27513
919-379-4080

Alice Evans

From: Brown, Jessica <Jessica.Brown@dyncorp.com>
To: Alice Evans (E-mail) <aevans@compuchemlabs.com>
Cc: Howard Pham (E-mail) <pham.howard@epa.gov>; Cecilia More (E-mail) <moore.cecilia@epa.gov>
Sent: Wednesday, May 22, 2002 1:46 PM
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue Laboratory problem | FINAL

Hi Alice,

Per Region 5, please note the discrepancy in the SDG Narrative and proceed with the analysis of the samples for Case 30472, SDG E00Y9

Thanks,
Jessica

-----Original Message-----
From: Moore.Cecilia@epamail.epa.gov [mailto:Moore.Cecilia@epamail.epa.gov]
Sent: Wednesday, May 22, 2002 12:51 PM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue Laboratory problem

Jessica:
I understand now. Please have the lab note the discrepancy in the
narrative and proceed with analysis.
Cecilia

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 22, 2002 9:52 AM
To: Cecilia More (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue Laboratory problem

Hi Cecilia,

Please see the lab's response below:

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Wednesday, May 22, 2002 9:48 AM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue Laboratory problem

Jessica,

Only those sample tags are missing. The bottles and analysis are fine. We have both the EPA label and Liberty label on the bottles. I was just informing the Region that some of their tags would be missing when the sample data package is sent. It doesn't have anything to do with the analysis.

Sorry for the confusion.
Alice

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 22, 2002 9:42 AM
To: Alice Evans (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue Laboratory problem

Hi Alice,

Per Region 5: "Is the lab saying that they will not perform analyses on the samples listed below or just that the samples will not be listed? I'm not following the message since the lab indicates that all of the samples were recorded on the DC-1. Can the lab proceed with the analyses using the sample labels on the bottles and note the missing sample tag incident in the narrative?"

Please let me know the answers to the questions above.

Thanks,
Jessica

-----Original Message-----
From: Moore.Cecilia@epamail.epa.gov [mailto:Moore.Cecilia@epamail.epa.gov]
Sent: Wednesday, May 22, 2002 9:35 AM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue Laboratory problem

Jessica:

Is the lab saying that they will not perform analyses on the samples listed below or just that the samples will not be listed? I'm not following the message since the lab indicates that all of the samples were recorded on the DC-1. Can the lab proceed with the analyses using the sample labels on the bottles and note the missing sample tag incident in the narrative? Please advise.
Also, have you gotten a response from the sampler? Thanks.

Cecilia

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 22, 2002 9:32 AM
To: Bob Casper (E-mail); Mark Wagner (E-mail 2)
Cc: Cecilia More (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Y9 | Issue Laboratory problem

The following is an e-mail from LIBRTY concerning Case 30472. Please advise on how the lab should proceed.

Thanks,
Jessica

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Wednesday, May 22, 2002 8:35 AM
To: Brown, Jessica
Subject: Case 30472 TAGS
Importance: High

Jessica,

The following concerns samples in SDG E00Y9. These samples were received on 05/09/02 and 05/10/02.
Liberty received the sample tags with each sample and recorded the numbers on the DC-1. By mistake, a new employee threw the tag that went with the encore sample in the trash. Since we discovered this, we have talked with all employees so that this situation will not happen again.
The affected sample no and tag no that will be missing from the package sent to the Region are:

SDG E00Y9
E00Y9 - 5-066033
E00Z1 - 5-066035
E00Z2 - 5-066037
E00Z6 - 5-066055
E00Z7 - 5-066056

We apologize for this incident.

Thanks,
Alice

Alice Evans
CompuChem/Liberty
501 Madison Ave
Cary, NC 27513
919-379-4080

Alice Evans

From: Brown, Jessica <Jessica.Brown@dyncorp.com>
To: Alice Evans (E-mail) <aevans@compuchemlabs.com>
Cc: Steve Peterson (E-mail) <peterson.steven@epa.gov>; Bob Casper (E-mail) <epa4407@epa.state.il.us>; Mark Wagner (E-mail 2) <EPA4415@epa.state.il.us>; Howard Pham (E-mail) <pham.howard@epa.gov>; Howard Pham (Home) (E-mail) <H161259@msn.com>
Sent: Friday, May 10, 2002 4:10 PM
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue TR/COC discrepancy - sample level | FINAL

This is Carolyn Mack - Jessica is out for the rest of the afternoon.

Per Region 5, samples E00Z5 and E00Z6 are for the same sample and should be reported under sample E00Z6. Please document this issue in the SDG narrative, proceed with the analysis, and let me know if you have any questions or problems.

Jessica Brown
DynCorp Systems & Solutions LLC
CLP Coordinator for Regions 4, 5, & 8
jessica.brown@dyncorp.com
Ph: 703.264.9349; Fax: 703.264.9222

5/10/2002 3:51 P.M. Phone conversation between Carolyn Mack, SMO, and Steve Peterson, Region 5, in which he concurred with the sampler's resolution.

5/10/2002 3:43 P.M. Phone conversation with Jerry Willman, Illinois EPA, in which he said that E00Z5 and E00Z6 are the same sample and the lab can report the sample under E00Z6.

-----Original Message-----
From: Brown, Jessica
Sent: Friday, May 10, 2002 3:35 PM
To: Steve Peterson (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue TR/COC discrepancy - sample level
Importance: High

Steve,
This is Carolyn Mack - Jessica is out of the office for the rest of the afternoon.

LIBRTY reported the following issues but has not yet received a resolution. I left a voice message with Mark Wagner, Illinois EPA, following up on Jessica's e-mail but have not yet received a response. LIBRTY said they need a resolution as soon as possible because it concerns ENCORE samples. Do you have another person that I can contact besides Mark Wagner for the Illinois EPA or can you provide a resolution?

Jessica Brown
DynCorp Systems & Solutions LLC
CLP Coordinator for Regions 4, 5, & 8
jessica.brown@dyncorp.com
Ph: 703.264.9349; Fax: 703.264.9222

5/10/2002 1:45 P.M. Carolyn Mack, SMO, left a voice message for Mark Wagner, Illinois EPA, requesting that a resolution be provided as quickly as possible since the issue concerned an ENCORE sample.

5/10/2002 1:32 P.M. Phone conversation between Carolyn Mack, SMO, and Alice Evans, LIBRTY, in which Alice said that she needed a resolution to this issue as quickly as possible because it concerned an ENCORE sample.

-----Original Message-----
From: Brown, Jessica
Sent: Friday, May 10, 2002 1:08 PM
To: Mark Wagner (E-mail 2)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue TR/COC discrepancy - sample level

Hi Mark,

Could you please resolve the issue below as quickly as possible?

Thanks,
Jessica

-----Original Message-----
From: Brown, Jessica
Sent: Friday, May 10, 2002 12:23 PM
To: 'Bob Casper (E-mail)'; 'Howard Pham (E-mail)'; 'Howard Pham (Home) (E-mail)'

Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue TR/COC discrepancy - sample level

Hi Bob and Howard,

The following is an e-mail from LIBRYT concerning Case 30472. Please advise on how the lab should proceed as quickly as possible.

Thank you,
Jessica

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Friday, May 10, 2002 11:34 AM
To: Brown, Jessica
Subject: Case 30472
Importance: High

Received 5 soil samples on 05/10/02 for Voa analysis (encores)

The Traffic Report list sample E00Z5 under "analysis" as "dry wght" and then list sample E00Z6 under "analysis" as "Voa". Both ID's have the same station location, collect and date time. All other samples have both dry weight and Voa together.

So is E00Z5 and E00Z6 the same sample? Which ID should we use?

Please reply ASAP as these are encores and have to be analyzed.

Alice

Alice Evans
CompuChem/Liberty
501 Madison Ave
Cary, NC 27513
919-379-4080

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

·b Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKGU	100	106	112		0
02	E00Y9	126	87	107		0
03	E00Z1	109	102	119		0
04	VBLKGV	102	98	104		0
05	E00Y9RE	138	74	95		0
06	E00Z2	105	84	100		0
07	E00Z6	127	78	102		0
08	E00Z7	118	95	112		0
09	E00Z9	115	92	113		0
10	VBLKKV	98	98	102		0
11	VHBLKGT	100	98	102		0
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		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

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKGU

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Lab File ID: WG17402-2A71 Lab Sample ID: WG17402-2

Date Analyzed: 05/17/02 Time Analyzed: 1641

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP71

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00Y9	E00Y9-1	E00Y9-1R2A71	1707
02	E00Z1	E00Y9-2	E00Y9-2R2A71	1733
03				
04				
05				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO

VBLKGV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Lab File ID: WG17402-3B71 Lab Sample ID: WG17402-3

Date Analyzed: 05/18/02 Time Analyzed: 0014

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP71

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00Y9RE	E00Y9-1	E00Y9-1R3B71	0104
02	E00Z2	E00Y9-3	E00Y9-3R3B71	0129
03	E00Z6	E00Y9-4	E00Y9-4R3B71	0154
04	E00Z7	E00Y9-5	E00Y9-5R3B71	0219
05	E00Z9	E00Y9-6	E00Y9-6RB71	0244
06				
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COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Lab File ID: WG17574-1A71 Lab Sample ID: WG17574-1

Date Analyzed: 05/20/02 Time Analyzed: 1003

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP71

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLKGT	WG17402-4	WG17402-4A71	1028
02				
03				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y9

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-1

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-1R2A71

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. 18 Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12 ~~10~~	JB u
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12 ~~1~~	JB u
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl-tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y9

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-1

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-1R2A71

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. 18 Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Y9

Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-1

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-1R2A71

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. 18 Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	12.79	10	J
2.	LABORATORY ARTIFACT	14.13	19	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y9RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-1

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-1R3B71

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. 18 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	15	B
75-15-0	Carbon Disulfide	4	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12 ~~2~~	JB
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 ~~2~~	JB
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Y9RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-1

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-1R3B71

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. 18 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

E00Y9RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-1

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-1R3B71

Level: (low/med) LOW Date Received: 05/09/02

% Moisture: not dec. 18 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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.	LABORATORY ARTIFACT	12.79	8	J
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z1

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-2R2A71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 13 Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (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	11 ~~4~~	JB U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11 ~~1~~	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	11	U
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.

E00Z1

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-2R2A71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 13 Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	3	J
108-87-2	Methylcyclohexane	11	U
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	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
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)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
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.

E00Z1

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-2R2A71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 13 Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (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.	LABORATORY ARTIFACT	12.79	7	J
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z2

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-3

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-3R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 11 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	11	JB
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	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	11	U
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.

E00Z2

b Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-3

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-3R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 11 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	11	U
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	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	11	U
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)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
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.

E00Z2

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-3

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-3R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 11 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z6

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-4

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-4R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 22 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	2	J
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	17	B
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13 ~~3~~	JB
156-60-5	trans-1,2-Dichloroethene	7	J
1634-04-4	Methyl-tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	250	
78-93-3	2-Butanone	13 ~~3~~	JB
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	2	J
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.

E00Z6

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-4

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-4R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 22 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	51	
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	3	J
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Z6

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-4

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-4R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 22 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	12.79	21	J
2.	LABORATORY ARTIFACT	14.13	29	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z7

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-5

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-5R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 17 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12 ~~6~~	JB
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12 ~~1~~	JB
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl-tert-butyl ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z7

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-5

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-5R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 17 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Z7

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-5

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Y9-5R3B71

Level: (low/med) LOW Date Received: 05/10/02

% Moisture: not dec. 17 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	LABORATORY ARTIFACT	12.79	10	J
2.	LABORATORY ARTIFACT	14.13	7	J
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z9

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-6

Sample wt/vol: 6.37(g/mL) G Lab File ID: E00Y9-6RB71

Level: (low/med) LOW Date Received: 05/16/02

% Moisture: not dec. 15 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	13	B µ
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 ~~2~~	JB µ
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z9

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-6

Sample wt/vol: 6.37(g/mL) G Lab File ID: E00Y9-6RB71

Level: (low/med) LOW Date Received: 05/16/02

% Moisture: not dec. 15 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	2	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (Total)	4	J
100-42-5	Styrene	10 ~~1~~	JB
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.

E00Z9

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: E00Y9-6

Sample wt/vol: 6.37(g/mL) G Lab File ID: E00Y9-6RB71

Level: (low/med) LOW Date Received: 05/16/02

% Moisture: not dec. 15 Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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.

VHBLKGT

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-4

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17402-4A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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 ~~4~~	JB
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~2~~	JB
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.

VHBLKGT

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-4

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17402-4A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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 ~~2~~	JB 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.

VHBLKGT

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-4

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17402-4A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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.

VBLKGU

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17402-2A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (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	4	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKGU

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17402-2A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (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)	1	J
100-42-5	Styrene	3	J
75-25-2	Bromoform	2	J
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKGU

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17402-2A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N.

VBLKGV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-3

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17402-3B71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	C
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	3	J
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	1	J
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.

VBLKGV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-3

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17402-3B71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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	2	J
75-25-2	Bromoform	1	J
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	2	J
120-82-1	1,2,4-Trichlorobenzene	2	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKGV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17402-3

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17402-3B71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/18/02

GC Column: SPB-624 ID: 0.32 (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.

VBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-1

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17574-1A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	7	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-1

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17574-1A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	3	J
75-25-2	Bromoform	1	J
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.

VBLKKV

ab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Y9

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-1

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17574-1A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.22	0	
2.	UNKNOWN	7.09	0	
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FORM I VOA-TIC OLM04.2

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

Sample Delivery Group: E0049 CERCLIS No: ILN000508246

Case No: 30472 Site Name/Location: ELSWORTH INDUS. PARK

Contractor of EPA Lab: CompuChem Data User: IEPA

No. of Samples: 6 Date Sampled or Date Received: 5-29-02

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: 6 No. of samples received: 6

Received by: Ena M. Dixon / ESAT Date: 5-29-02

Received by LSSS: Ena M. Dixon / ESAT Date: 5-29-02

Review started: June 10, 2002 Reviewer Signature: Allison Haney

Total time spent on review: 5 hrs Date review completed: 6-12-02

Copied by: Ena M. Dixon / ESAT Date: 6-12-02

Mailed to user by: Ena M. Dixon / ESAT Date: 6-12-02

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: ____

X-15 A
X-15 B
X-36 A
X-36 B
X-17 A
X-17 B
X+17 BD

DATE: June 12, 2002

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

Attn: Bob Casper

SITE NAME: Elsworth Industrial Park

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
30472	Compuchem	20	E00Z3	Soil

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

JUN 1 2 2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:_____

SUBJECT: **Review of Data**
Received for Review on May 31, 2002

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

TO: **Data User:** IEPA

We have reviewed the data for the following case:

Site name: Ellsworth Industrial Park (IL)

Case number: 30472 **SDG Number:** E00Z3

Number and Type of Samples: 7 soil samples

Sample Numbers: E00Z3-E00Z6, E0101-E0103

Laboratory: Compuchem **Hrs. for Review:** _____

Following are our findings:

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

Case Number : 30472
Site Name: Ellsworth Industrial Park (IL)

SDG Number: E00Z3
Laboratory: Compuchem

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

Seven soil samples (E00Z3-E00Z6, E0101-E0103) were collected on 05/14-16/2002. The laboratory received the samples on 05/17/2002 at 10°C. All samples were analyzed for the list of Volatile analytes according to CLP SOW OLMO4.2 5/99.

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 12, 2002

Case Number : 30472
Site Name: Ellsworth Industrial Park (IL)

SDG Number: E00Z3
Laboratory: Compuchem

1. HOLDING TIME

No problems were found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found for this qualification.

3. CALIBRATION

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

Bromomethane
E00Z3, E00Z4, E00Z4RE, E00Z5, E00Z6, E00Z6RE, E0101, E0101RE, E0102, E0103, E0103RE, VBLKKV, VBLKKW, VHBLKKV

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".

Bromomethane, Methyl Acetate, 2-Butanone
E00Z3, E00Z4, E00Z4RE, E00Z5, E00Z6, E00Z6RE, E0101, E0101RE, E0103, E0103RE, VBLKKV

Acetone
E00Z3, E00Z4, E00Z4RE, E00Z5, E00Z6, E00Z6RE, E0101, E0101RE, E0102, E0103, E0103RE, VBLKKV, VBLKKW, VHBLKKV

4. METHOD 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" or "UJ" and non-detects are not flagged.

Acetone
E00Z3, E00Z4, E00Z4RE, E00Z5, E00Z6, E00Z6RE, E0101, E0101RE, E0103, E0103RE

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" or "UJ" and non-detects are not flagged.

E00Z3, E00Z6, E00Z6RE, VHBLKKV
Bromoform

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 12, 2002

Case Number : 30472
Site Name: Ellsworth Industrial Park (IL)

SDG Number: E00Z3
Laboratory: Compuchem

E0102, VHBLKKV
Styrene

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" or "UJ" and non-detects are not flagged.

Methylene Chloride
E00Z3, E00Z4, E00Z4RE, E00Z5, E00Z6, E00Z6RE, E0101RE, E0103, E0103RE, VHBLKKV

Acetone
VHBLKKV

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.

E00Z6, E00Z6RE, E0101RE, E0103RE

The recovery for SMC3 for sample E0101 was flagged as outlier on Form II, but it was right on at the upper QC limit; therefore, no qualification is needed.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No volatile matrix spike data was reported for this SDG.

7. FIELD BLANK AND FIELD DUPLICATE

Sample E0103 was identified as field duplicate of E0102. None of the samples were identified as QC blanks. The results for the duplicate samples are presented in the following table:

Analytes dilution factor =	E0102 1.0	E0103 1.0
Acetone	24 µg/Kg	
Carbon disulfide	2 µg/Kg	2 µg/Kg
2-Butanone	4 µg/Kg	4 µg/Kg
Cyclohexane	4 µg/Kg	2 µg/Kg
Benzene	2 µg/Kg	2 µg/Kg

Case Number : 30472
Site Name: Ellsworth Industrial Park (IL)

SDG Number: E00Z3
Laboratory: Compuchem

Methycyclohexane	5 µg/Kg	2 µg/Kg
Toluene	5 µg/Kg	2 µg/Kg
Ethylbenzene	2 µg/Kg	
Xylene	2 µg/Kg	
VOA TICs	3	5

Results are not qualified based upon the results of the field duplicates.

8. INTERNAL STANDARDS

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

E00Z4, E00Z4RE, E00Z6RE, E0101, E0101RE
1,1,1-Trichloroethane, Cyclohexane , Carbon Tetrachloride, Benzene, Trichloroethene, Methylcyclohexane , 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane , Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Bromoform, Isopropylbenzene , 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene , 1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

E0103, E0103RE
Dichlorodifluoromethane , Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene , 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon Disulfide, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, tert-Butyl Methyl Ether , 1,1-Dichloroethane , cis-1,2-Dichloroethene, 2-Butanone, Chloroform, 1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, 1,2-Dichloroethane, Trichloroethene, Methylcyclohexane , 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Bromoform, Isopropylbenzene , 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene , 1,2-Dichlorobenzene , 1,2-Dibromo-3-chloropropane , 1,2,4-Trichlorobenzene

9. COMPOUND IDENTIFICATION

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

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

Case Number : 30472 **SDG Number: E00Z3**
Site Name: Ellsworth Industrial Park (IL) **Laboratory: Compuchem**

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

E00Z3
2-Butanone, Cyclohexane , Benzene, Methylcyclohexane, Toluene, Ethylbenzene, Xylenes (total)

E00Z4, E00Z4RE
Carbon Disulfide, 2-Butanone, Cyclohexane, Benzene, Methylcyclohexane, Toluene, Xylenes (total)

E00Z5
Bromomethane, Carbon Disulfide, 2-Butanone, 1,1,1-Trichloroethane, Cyclohexane, Benzene, Trichloroethene, Methylcyclohexane, 4-Methyl-2-pentanone, Toluene, Ethylbenzene, Xylenes (total)

E00Z6
Cyclohexane, Benzene, Methylcyclohexane, Toluene, Ethylbenzene, Xylenes (total)

E00Z6RE
Cyclohexane, Benzene, Methylcyclohexane, 4-Methyl-2-pentanone, Toluene, Ethylbenzene, Xylenes (total)

E0101
Cyclohexane, Benzene, Methylcyclohexane, Tetrachloroethene, Ethylbenzene, Xylenes (total)

E0101RE
2-Butanone, Cyclohexane, Benzene, Methylcyclohexane, 4-Methyl-2-pentanone, Toluene, Tetrachloroethene, Ethylbenzene, Xylenes (total)

E0102
Carbon Disulfide, 2-Butanone, Cyclohexane, Benzene, Methylcyclohexane, Toluene, Ethylbenzene, Xylenes (total)

E0103
Carbon Disulfide, 2-Butanone, Cyclohexane, Benzene, Methylcyclohexane, Toluene

E0103RE
2-Butanone, Cyclohexane, Benzene, Methylcyclohexane, Toluene, Isopropylbenzene

VBLKKV, VBLKKW
Acetone , Methylene Chloride , Styrene, Bromoform

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 12, 2002

Case Number : 30472
Site Name: Ellsworth Industrial Park (IL)

SDG Number: E00Z3
Laboratory: Compuchem

2. ADDITIONAL INFORMATION

None.

Reviewed By: Steffanie Tobin (IITRI/ESAT)
Date: June 12, 2002

CADRE Data Qualifier Sheet

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

Volatile Analysis Data - VBLKKV
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	5.27	14.000	J
	STRAIGHT-CHAIN ALKANE	5.75	6.000	J

FILE NAME: E00Z3.SDG DATE: 05/31/2002 TIME: 14:14 CADRE99 PAGE: 1

Volatile Analysis Data - E00Z3
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.39	200.000	J
	BRANCHED ALKANE	3.81	110.000	J
	STRAIGHT-CHAIN ALKANE	4.15	73.000	J
	BRANCHED ALKANE	7.09	18.000	J
	UNKNOWN	7.18	5.000	J
	BRANCHED ALKANE	7.39	8.000	J
	STRAIGHT-CHAIN ALKANE	7.67	14.000	J
	CYCLIC ALKANE	8.28	10.000	J
	STRAIGHT-CHAIN ALKANE	9.22	7.000	J

FILE NAME: E00Z3.SDG DATE: 05/31/2002 TIME: 14:14 CADRE99 PAGE: 2

Volatile Analysis Data - E00Z4
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	STRAIGHT-CHAIN ALKANE	3.39	200.000	J
	BRANCHED ALKANE	3.80	110.000	J
	STRAIGHT-CHAIN ALKANE	4.16	72.000	J
	STRAIGHT-CHAIN ALKANE	7.67	8.000	J
	CYCLIC ALKANE	8.29	8.000	J
	STRAIGHT-CHAIN ALKANE	9.22	6.000	J
	UNKNOWN ESTER	9.54	6.000	J
	LABORATORY ARTIFACT	11.71	6.000	J

FILE NAME: E00Z3.SDG DATE: 05/31/2002 TIME: 14:14 CADRE99 PAGE: 3

Volatile Analysis Data - E00Z5
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	3.81	120.000	J
	UNKNOWN	4.15	70.000	J
	UNKNOWN	4.43	44.000	J
	BRANCHED ALKANE	7.09	14.000	J
	UNKNOWN	7.18	19.000	J
	STRAIGHT-CHAIN ALKANE	7.67	11.000	J
	UNKNOWN ALDEHYDE	8.20	13.000	J
763-29-1	1-PENTENE, 2-METHYL-	8.28	6.000	NJ

FILE NAME: E00Z3.SDG DATE: 05/31/2002 TIME: 14:14 CADRE99 PAGE: 4

Volatile Analysis Data - E00Z6
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.39	170.000	J
	BRANCHED ALKANE	3.81	120.000	J
	STRAIGHT-CHAIN ALKANE	4.16	89.000	J
	UNKNOWN	7.19	26.000	J
	BRANCHED ALKANE	7.39	14.000	J
	STRAIGHT-CHAIN ALKANE	7.67	15.000	J
	CYCLIC ALKANE	8.28	10.000	J
	BRANCHED ALKANE	8.91	6.000	J
	STRAIGHT-CHAIN ALKANE	9.23	9.000	J
140-88-5	2-PROPENOIC ACID, ETHYL ESTER	9.54	5.000	NJ

Volatile Analysis Data - E0101
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.39	210.000	J
	BRANCHED ALKANE	3.81	150.000	J
	STRAIGHT-CHAIN ALKANE	4.16	110.000	J
	BRANCHED ALKANE	7.09	34.000	J
	UNKNOWN	7.18	42.000	J
	BRANCHED ALKANE	7.39	17.000	J
	STRAIGHT-CHAIN ALKANE	7.66	25.000	J
	CYCLIC ALKANE	8.28	18.000	J
	BRANCHED ALKANE	8.76	6.000	J
	BRANCHED ALKANE	8.91	8.000	J
	STRAIGHT-CHAIN ALKANE	9.22	12.000	J

Volatile Analysis Data - E0103
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.38	240.000	J
	BRANCHED ALKANE	3.81	110.000	J
	STRAIGHT-CHAIN ALKANE	4.15	79.000	J
	UNKNOWN	7.09	15.000	J
	UNKNOWN	7.19	22.000	J
	LABORATORY ARTIFACT	11.71	36.000	J
	LABORATORY ARTIFACT	12.79	28.000	J

Volatile Analysis Data - E00Z4RE
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.39	180.000	J
	BRANCHED ALKANE	3.81	96.000	J
	STRAIGHT-CHAIN ALKANE	4.16	76.000	J
	STRAIGHT-CHAIN ALKANE	7.67	6.000	J
	CYCLIC ALKANE	8.29	7.000	J

Volatile Analysis Data - E00Z6RE
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	STRAIGHT-CHAIN ALKANE	3.39	280.000	J
	BRANCHED ALKANE	3.80	170.000	J
	UNKNOWN	4.16	100.000	J
	BRANCHED ALKANE	7.10	23.000	J
	UNKNOWN	7.19	33.000	J
	BRANCHED ALKANE	7.38	7.000	J
	STRAIGHT-CHAIN ALKANE	7.67	14.000	J
	CYCLIC ALKANE	8.29	8.000	J
	STRAIGHT-CHAIN ALKANE	9.22	7.000	J
	BRANCHED ALKANE	12.36	6.000	J

Volatile Analysis Data - E0101RE
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	STRAIGHT-CHAIN ALKANE	3.39	260.000	J
	UNKNOWN	3.81	160.000	J
	STRAIGHT-CHAIN ALKANE	4.16	110.000	J
	UNKNOWN	7.19	19.000	J
	BRANCHED ALKANE	7.39	11.000	J
	STRAIGHT-CHAIN ALKANE	7.67	22.000	J
	CYCLIC ALKANE	8.29	15.000	J
	BRANCHED ALKANE	8.91	7.000	J
	STRAIGHT-CHAIN ALKANE	9.23	11.000	J
	LABORATORY ARTIFACT	11.71	5.000	J
	LABORATORY ARTIFACT	12.79	8.000	J

Volatile Analysis Data - E0103RE
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.39	190.000	J
	BRANCHED ALKANE	3.80	100.000	J
	UNKNOWN	4.16	82.000	J
	UNKNOWN	7.10	24.000	J
	UNKNOWN	7.20	67.000	J
	STRAIGHT-CHAIN ALKANE	7.67	11.000	J
	UNKNOWN HYDROCARBON	8.29	8.000	J
	LABORATORY ARTIFACT	10.45	6.000	J
	BRANCHED ALKANE	12.36	5.000	J
	LABORATORY ARTIFACT	12.78	85.000	J
	LABORATORY ARTIFACT	14.13	8.000	J

Volatile Analysis Data - VBLKKW
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	5.28	20.000	J
	STRAIGHT-CHAIN ALKANE	5.75	7.000	J

Volatile Analysis Data - E0102
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.78	78.000	J
	STRAIGHT-CHAIN ALKANE	4.14	37.000	J
	UNKNOWN	7.08	11.000	J
	BRANCHED ALKANE	7.37	7.000	J
	STRAIGHT-CHAIN ALKANE	7.67	9.000	J
	CYCLIC ALKANE	8.28	8.000	J
556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL-	11.71	10.000	NJ

Volatile Analysis Data - VHBLKKV
Tentatively Identified Compounds

CASE NO: 30472 LABORATORY: COMPUCHEM
SDG NO: E00Z3

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Z3
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : Compuchem
Reviewer : S. Tobin
Date : 06-12-2002

Number of Soil Samples : 7
Number of Water Samples : 0

Sample Number :	E00Z3		E00Z4		E00Z4RE		E00Z5		E00Z6	
Sampling Location :	X15A		X15B		X15B		X36A		X36B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/14/2002		05/14/2002		05/14/2002		05/14/2002		05/14/2002	
Time Sampled :	08:00		08:25		08:25		13:45		14:15	
%Moisture :	15		16		16		25		18	
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	9	U	10	U	9	U	12	U	10	U
Chloromethane	9	U	10	U	9	U	12	U	10	U
Vinyl Chloride	9	U	10	U	9	U	12	U	10	U
Bromomethane	9	UJ	10	UJ	9	UJ	1	J	10	UJ
Chloroethane	9	U	10	U	9	U	12	U	10	U
Trichlorofluoromethane	9	U	10	U	9	U	12	U	10	U
1,1-Dichloroethene	9	U	10	U	9	U	12	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	9	U	10	U	9	U	12	U	10	U
Acetone	11	UJ	25	UJ	29	UJ	50	UJ	14	UJ
Carbon Disulfide	9	U	2	J	3	J	2	J	10	U
Methyl Acetate	9	UJ	10	UJ	9	UJ	12	UJ	10	UJ
Methylene Chloride	9	U	10	U	9	U	12	U	10	U
trans-1,2-Dichloroethene	9	U	10	U	9	U	12	U	10	U
Methyl tert-Butyl Ether	9	U	10	U	9	U	12	U	10	U
1,1-Dichloroethane	9	U	10	U	9	U	12	U	10	U
cis-1,2-Dichloroethene	9	U	10	U	9	U	12	U	10	U
2-Butanone	2	J	4	J	4	J	10	J	10	UJ
Chloroform	9	U	10	U	9	U	12	U	10	U
1,1,1-Trichloroethane	9	U	10	UJ	9	UJ	2	J	10	U
Cyclohexane	4	J	4	J	4	J	2	J	5	J
Carbon Tetrachloride	9	U	10	UJ	9	UJ	12	U	10	U
Benzene	3	J	3	J	3	J	3	J	4	J
1,2-Dichloroethane	9	U	10	U	9	U	12	U	10	U
Trichloroethene	9	U	10	UJ	9	UJ	4	J	10	U
Methylcyclohexane	5	J	4	J	4	J	3	J	6	J
1,2-Dichloropropane	9	U	10	UJ	9	UJ	12	U	10	U
Bromodichloromethane	9	U	10	UJ	9	UJ	12	U	10	U
cis-1,3-Dichloropropene	9	U	10	UJ	9	UJ	12	U	10	U
4-Methyl-2-pentanone	9	U	10	UJ	9	UJ	2	J	10	U
Toluene	7	J	3	J	4	J	6	J	8	J
trans-1,3-Dichloropropene	9	U	10	UJ	9	UJ	12	U	10	U
1,1,2-Trichloroethane	9	U	10	UJ	9	UJ	12	U	10	U
Tetrachloroethene	9	U	10	UJ	9	UJ	12	U	10	U

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Z3
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : Compuchem
Reviewer : S. Tobin
Date : 06-12-2002

Number of Soil Samples : 7
Number of Water Samples : 0

Sample Number :	E00Z3		E00Z4		E00Z4RE		E00Z5		E00Z6	
Sampling Location :	X15A		X15B		X15B		X36A		X36B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/14/2002		05/14/2002		05/14/2002		05/14/2002		05/14/2002	
Time Sampled :	08:00		08:25		08:25		13:45		14:15	
%Moisture :	15		16		16		25		18	
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	9	U	10	UJ	9	UJ	12	U	10	U
Dibromochloromethane	9	U	10	UJ	9	UJ	12	U	10	U
1,2-Dibromoethane	9	U	10	UJ	9	UJ	12	U	10	U
Chlorobenzene	9	U	10	UJ	9	UJ	12	U	10	U
Ethylbenzene	2	J	10	UJ	9	UJ	2	J	3	J
Xylenes (total)	4	J	1	J	1	J	2	J	4	J
Styrene	9	U	10	UJ	9	UJ	12	U	10	U
Bromoform	9	U	10	UJ	9	UJ	12	U	10	U
Isopropylbenzene	9	U	10	UJ	9	UJ	12	U	10	U
1,1,2,2-Tetrachloroethane	9	U	10	UJ	9	UJ	12	U	10	U
1,3-Dichlorobenzene	9	U	10	UJ	9	UJ	12	U	10	U
1,4-Dichlorobenzene	9	U	10	UJ	9	UJ	12	U	10	U
1,2-Dichlorobenzene	9	U	10	UJ	9	UJ	12	U	10	U
1,2-Dibromo-3-chloropropane	9	U	10	UJ	9	UJ	12	U	10	U
1,2,4-Trichlorobenzene	9	U	10	UJ	9	UJ	12	U	10	U

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Z3
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : Compuchem
Reviewer : S. Tobin
Date : 06-12-2002

Number of Soil Samples : 7
Number of Water Samples : 0

Sample Number :	E00Z6RE		E0101		E0101RE		E0102		E0103	
Sampling Location :	X36B		X17A		X17A		X17B		X17BD	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/14/2002		05/16/2002		05/16/2002		05/16/2002		05/16/2002	
Time Sampled :	14:15		08:45		08:45		09:15		09:15	
%Moisture :	18		22		22		13		12	
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	11	U	9	UJ
Chloromethane	10	U	10	U	10	U	11	U	9	UJ
Vinyl Chloride	10	U	10	U	10	U	11	U	9	UJ
Bromomethane	10	UJ	10	UJ	10	UJ	11	UJ	9	UJ
Chloroethane	10	U	10	U	10	U	11	U	9	UJ
Trichlorofluoromethane	10	U	10	U	10	U	11	U	9	UJ
1,1-Dichloroethene	10	U	10	U	10	U	11	U	9	UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	11	U	9	UJ
Acetone	16	UJ	18	UJ	18	UJ	24	J	22	UJ
Carbon Disulfide	10	U	10	U	10	U	2	J	2	J
Methyl Acetate	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Methylene Chloride	10	U	10	U	10	U	11	U	9	UJ
trans-1,2-Dichloroethene	10	U	10	U	10	U	11	U	9	UJ
Methyl tert-Butyl Ether	10	U	10	U	10	U	11	U	9	UJ
1,1-Dichloroethane	10	U	10	U	10	U	11	U	9	UJ
cis-1,2-Dichloroethene	10	U	10	U	10	U	11	U	9	UJ
2-Butanone	10	UJ	10	UJ	4	J	4	J	4	J
Chloroform	10	U	10	U	10	U	11	U	9	UJ
1,1,1-Trichloroethane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Cyclohexane	5	J	9	J	6	J	4	J	2	J
Carbon Tetrachloride	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Benzene	4	J	8	J	4	J	2	J	2	J
1,2-Dichloroethane	10	U	10	U	10	U	11	U	9	UJ
Trichloroethene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Methylcyclohexane	5	J	9	J	7	J	5	J	2	J
1,2-Dichloropropane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Bromodichloromethane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
cis-1,3-Dichloropropene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
4-Methyl-2-pentanone	1	J	10	UJ	1	J	11	U	9	UJ
Toluene	8	J	13	J	9	J	5	J	2	J
trans-1,3-Dichloropropene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,1,2-Trichloroethane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Tetrachloroethene	10	UJ	2	J	1	J	11	U	9	UJ

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Z3
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : Compuchem
Reviewer : S. Tobin
Date : 06-12-2002

Number of Soil Samples : 7
Number of Water Samples : 0

Sample Number :	E00Z6RE		E0101		E0101RE		E0102		E0103	
Sampling Location :	X36B		X17A		X17A		X17B		X17BD	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/14/2002		05/16/2002		05/16/2002		05/16/2002		05/16/2002	
Time Sampled :	14:15		08:45		08:45		09:15		09:15	
%Moisture :	18		22		22		13		12	
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	UJ	10	UJ	10	UJ	11	U	9	UJ
Dibromochloromethane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,2-Dibromoethane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Chlorobenzene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Ethylbenzene	2	J	3	J	3	J	2	J	9	UJ
Xylenes (total)	4	J	7	J	5	J	2	J	9	UJ
Styrene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Bromoform	10	UJ	10	UJ	10	UJ	11	U	9	UJ
Isopropylbenzene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,1,2,2-Tetrachloroethane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,3-Dichlorobenzene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,4-Dichlorobenzene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,2-Dichlorobenzene	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,2-Dibromo-3-chloropropane	10	UJ	10	UJ	10	UJ	11	U	9	UJ
1,2,4-Trichlorobenzene	10	UJ	10	UJ	10	UJ	11	U	9	UJ

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Z3
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : Compuchem
Reviewer : S. Tobin
Date : 06-12-2002

Number of Soil Samples : 7
Number of Water Samples : 0

Sample Number :	E0103RE		VBLKKV		VBLKKW		VHBLKKV			
Sampling Location :	X17BD									
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :	05/16/2002									
Time Sampled :	09:15									
%Moisture :	12		N/A		N/A		0			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	9	UJ	10	U	10	U	10	U		
Chloromethane	9	UJ	10	U	10	U	10	U		
Vinyl Chloride	9	UJ	10	U	10	U	10	U		
Bromomethane	9	UJ	10	UJ	10	UJ	10	UJ		
Chloroethane	9	UJ	10	U	10	U	10	U		
Trichlorofluoromethane	9	UJ	10	U	10	U	10	U		
1,1-Dichloroethene	9	UJ	10	U	10	U	10	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	9	UJ	10	U	10	U	10	U		
Acetone	23	UJ	7	J	2	J	10	UJ		
Carbon Disulfide	9	UJ	10	U	10	U	10	U		
Methyl Acetate	9	UJ	10	UJ	10	U	10	U		
Methylene Chloride	9	UJ	2	J	2	J	10	U		
trans-1,2-Dichloroethene	9	UJ	10	U	10	U	10	U		
Methyl tert-Butyl Ether	9	UJ	10	U	10	U	10	U		
1,1-Dichloroethane	9	UJ	10	U	10	U	10	U		
cis-1,2-Dichloroethene	9	UJ	10	U	10	U	10	U		
2-Butanone	4	J	10	UJ	10	U	10	U		
Chloroform	9	UJ	10	U	10	U	10	U		
1,1,1-Trichloroethane	9	UJ	10	U	10	U	10	U		
Cyclohexane	2	J	10	U	10	U	10	U		
Carbon Tetrachloride	9	UJ	10	U	10	U	10	U		
Benzene	1	J	10	U	10	U	10	U		
1,2-Dichloroethane	9	UJ	10	U	10	U	10	U		
Trichloroethene	9	UJ	10	U	10	U	10	U		
Methylcyclohexane	2	J	10	U	10	U	10	U		
1,2-Dichloropropane	9	UJ	10	U	10	U	10	U		
Bromodichloromethane	9	UJ	10	U	10	U	10	U		
cis-1,3-Dichloropropene	9	UJ	10	U	10	U	10	U		
4-Methyl-2-pentanone	9	UJ	10	U	10	U	10	U		
Toluene	2	J	10	U	10	U	10	U		
trans-1,3-Dichloropropene	9	UJ	10	U	10	U	10	U		
1,1,2-Trichloroethane	9	UJ	10	U	10	U	10	U		
Tetrachloroethene	9	UJ	10	U	10	U	10	U		

Analytical Results (Qualified Data)

Case #: 30472 SDG : E00Z3
Site : ELLSWORTH INDUSTRIAL PARK
Lab. : Compuchem
Reviewer : S. Tobin
Date : 06-12-2002

Number of Soil Samples : 7
Number of Water Samples : 0

Sample Number :	E0103RE		VBLKKV		VBLKKW		VHBLKKV			
Sampling Location :	X17BD									
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :	05/16/2002									
Time Sampled :	09:15									
%Moisture :	12		N/A		N/A		0			
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	9	UJ	10	U	10	U	10	U		
Dibromochloromethane	9	UJ	10	U	10	U	10	U		
1,2-Dibromoethane	9	UJ	10	U	10	U	10	U		
Chlorobenzene	9	UJ	10	U	10	U	10	U		
Ethylbenzene	9	UJ	10	U	10	U	10	U		
Xylenes (total)	9	UJ	10	U	10	U	10	U		
Styrene	9	UJ	3	J	2	J	10	U		
Bromoform	9	UJ	1	J	2	J	10	U		
Isopropylbenzene	1	J	10	U	10	U	10	U		
1,1,2,2-Tetrachloroethane	9	UJ	10	U	10	U	10	U		
1,3-Dichlorobenzene	9	UJ	10	U	10	U	10	U		
1,4-Dichlorobenzene	9	UJ	10	U	10	U	10	U		
1,2-Dichlorobenzene	9	UJ	10	U	10	U	10	U		
1,2-Dibromo-3-chloropropane	9	UJ	10	U	10	U	10	U		
1,2,4-Trichlorobenzene	9	UJ	10	U	10	U	10	U		

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5-31-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELSWORTH INDUS. PARK (IL)

CASE NUMBER: 30472 SDG NUMBER: E0023

Number and Type of Samples: 7 (SOIL)

Sample Numbers: E0023-6, E0101-3

Laboratory: CompuChem Hrs for Review:

Following are our findings:

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

CompuChem
a division of Liberty Analytical Corp.

ORIGINAL

Sample Delivery Group (SDG)
Cover Sheet

SDG Number E00Z3

Laboratory Name	CompuChem	Laboratory Code	LIBRTY
Contract No.	68W99070	Case No.	30472
Analysis Price	$483.35	SDG Turnaround	21

EPA Sample Numbers in SDG (Listed in Numerical Order)

1)	E00Z3	7)	E0103	13)		19)	
2)	E00Z4	8)		14)		20)	
3)	E00Z5	9)		15)		21)	
4)	E00Z6	10)		16)		22)	
5)	E0101	11)		17)		23)	
6)	E0102	12)		18)		24)	

E00Z3	E0103
First Sample in SDG	Last Sample in SDG
05/17/02	05/17/02
First Sample Receipt Date	Last Sample Receipt Date

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

Signature Alice Evans Date 05/17/02

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30472
DAS No:
SDG No: E00Z3

L

Date Shipped: 5/14/02 Carrier Name: UPS Airbill: 1Z6215892210020851 Shipped to: Liberty Analytical 501 Madison Avenue Cary NC 27513 (919) 379-4080	Date Received/Received by: 5/17/02 M. Stone Lab Contract No: 68W99070 Unit Price: $483.35 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): James M. Salch Relinquished By: James M. Salch — Date / Time: 5/14/02 17:30 — Received By: Relinquished By: — Date / Time: 5/17/02 915 — Received By: Joan Purdie Relinquished By: — Date / Time: 5/21/02 — Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E00Z3	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66095 (Ice Only), 5-66099 (Ice Only) (2)	X15A	5/14/02 8:00		Good
E00Z4	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66096 (Ice Only), 5-66100 (Ice Only) (2)	X15B	5/14/02 8:25		
E00Z5	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66097 (Ice Only), 5-66101 (Ice Only) (2)	X36A	5/14/02 13:45		
E00Z6	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66098 (Ice Only), 5-66102 (Ice Only) (2)	X36B	5/14/02 14:15		SDG-FINAL SAMPLE

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 10°C	Chain of Custody Seal Number: 81439
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced?

DW = Dry Weight, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: ntract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA 91-3436 Phone 703/264-9348 Fax 703/264-9222

TR Num_er: 5-055166947-051402-0001

USEPA Contract Laboratory Program
Organic Traffic Report

DAS No:
SDG No: E0023

L

Date Shipped: 5/16/02 Carrier Name: UPS Airbill: 1Z6215892210020888 Shipped to: Liberty Analytical 501 Madison Avenue Cary NC 27513 (919) 379-4080	Date Received/Received by: 5/17/02 M. Stern Lab Contract No: 68W99070 Unit Price: $483.35 Transfer To: Date Received/Received By: Lab Contract No: Price:	Sampler (Signature): James M. Salch Relinquished By: James M. Salch Date / Time: 5/16/02 18:45 Received By: Relinquished By: Date / Time: 5-17-02 915 Received By: Joan Purdie Relinquished By: Date / Time: Received By:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0101	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66117 (Ice Only), 5-66118 (Ice Only) (2)	X17A	5/16/02 8:45		Good
E0102	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66119 (Ice Only), 5-66120 (Ice Only) (2)	X17B	5/16/02 9:15		
E0103	Soil/ Jim Salch	L/G	DW (21), VOA (21)	5-66121 (Ice Only), 5-66122 (Ice Only) (2)	X17BD	5/16/02 9:15		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: E0103	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 10°C	Chain of Custody Seal Number: 97390
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced?

DW = Dry Weight, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-055166947-051602-0001

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

MAY 3 1 2002

SDG NARRATIVE

CASE #30472
SDG #E00Z3
CONTRACT # 68W99070

SAMPLE IDENTIFICATIONS: E00Z3, E00Z4, E00Z4RE, E00Z5, E00Z6, E006RE, E0101, E0101RE, E0102, E0103 and E0103RE

The seven soil samples listed above were received intact, refrigerated at a temperature of 10°C. Samples received for organic analysis are required to be preserved at 4 degrees Celsius. SMO was contacted, and the laboratory was instructed to proceed with the analyses. Four samples were run out of the dry weight jar in order to show matrix affect per SMO. Copies of the communications regarding these issues are behind the case narrative. The samples were received with proper documentation, in sealed shipping containers, on May 17, 2002. The samples were scheduled for the requested analyses of the volatile fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.2. All samples submitted for volatile organic analysis in this SDG were received in EnCore® samplers and were prepared according to the Modified SW-846 Method 5035. The percent moistures ranged from 12 to 25. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for Case# 30472 SDG# E00Z3 are included in the sample data sections.

Analysis holding time requirements were met for all of these samples. There were no volatile Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in any of these samples. Tentatively Identified Compounds (TICs) were found in all of these samples. Some of the TICs found in all of these samples were assessed as laboratory artifacts, and therefore may not be sample constituents. Manual quantitations were performed on one or more of the process files associated with this SDG, including samples E00Z3, E00Z4, E00Z4RE, E00Z5, E00Z6, E006RE, E0101, E0101RE, E0103, and E0103RE. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

In the initial analysis of E00Z4, E00Z6, E0101 and E0103 the recovery multiple System Monitoring Compounds and Internal standards failed quality control criteria. The samples were reanalyzed and the SMCs and internal standards again failed recovery criteria. We have attributed the failing SMCs recoveries to the particular matrix of the sample. Therefore we have reported and billed for both analyses of E00Z4, E00Z6, E0101 and E0103.

All of the system monitoring compounds in samples not previously discussed met recovery criteria. All of the internal standards in samples not previously discussed met response and retention time criteria.
The associated method blanks met all quality control criteria. Duplicate matrix spikes were not prepared per SMO.

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.

Nicki Davis
Data Reviewer I
May 29, 2002

COMPUCHEM

a Division of Liberty Analytical

EnCore™ Preparation Worksheet

-238 / -243 / -233

SDG: E0023 Prepared By: KG Date: 5-17-02

	LoginNum	Date	Time	[redacted]		
1	E0023-1	5-17-02	17:18	34.73	41.44	6.21
2	R.		17:20	35.00	41.40	6.4
3	mech		17:22	32.58	38.97	
4	E0023-2		17:23	35.17	41.41	6.24
5	R.		17:24	34.97	41.25	6.28
6	mech		17:26	32.13	38.41	
7	E0023-3		17:28	34.54	40.15	5.61
8	R.		17:30	34.97	41.11	6.14
9	mech		17:31	31.71	37.03	
10	E0023-4		17:33	34.96	41.05	6.09
11	R.		17:35	35.19	41.29	6.1
12	mech		17:36	32.68	38.79	
13	E0023-5		17:37	35.31	41.47	6.16
14	R.		17:39	34.74	41.02	6.28
15	mech		17:40	31.66	37.97	
16	E0023-6		17:42	35.34	41.93	6.59
17	R.		17:[illegible]	34.62	41.08	6.46
18	mech		17:45	31.99	38.58	
19	E0023-7		17:46	34.98	41.55	6.57
20	R.		17:47	35.09	41.56	6.47
21	mech		17:50	31.77	38.26	

Volume of Methanol Added: 5 ml

Lot Numbers of Preservatives: Sodium Bisulfate: TH1640 Methanol: CE441

Reviewed By: [illegible] 5/20/02

*Weight of Jar for Sodium Bisulfate preserved Encores is the sum of the weights of the vial, preservative and stir b
*Weight of Jar for Methanol preserved Encores is the sum of the weights of the vial and preservative

Alice Evans

From: Brown, Jessica <Jessica.Brown@dyncorp.com>
To: Alice Evans (E-mail) <aevans@compuchemlabs.com>; Melissa Stevens (E-mail) <mstevens@compuchemlabs.com>
Cc: Howard Pham (E-mail) <pham.howard@epa.gov>; Steve Peterson (E-mail) <peterson.steven@epa.gov>
Sent: Friday, May 17, 2002 5:14 PM
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Laboratory Problems | FINAL

Alice,
This is Heather Bauer. Holly and Jessica are out of the office this afternoon.

Following is the resolution from Region 5. Per the Region, please disregard the previous e-mail. The lab should proceed with the VOCs analyses with the portion sample volume from 2OZ jar. Please note the issue in the SDG Narrative.

-----Original Message-----
From: HOWARD PHAM [mailto:H161259@msn.com]
Sent: Friday, May 17, 2002 5:06 PM
To: Brown, Jessica; Howard Pham (E-mail); Steve Peterson (E-mail)
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | Issue Laboratory Problems

HI Jessica,

Please disregarded my previous message regarding the same issue. Please ask the lab proceed the VOCs analyses with the protion sample volume from 2OZ jar. Made a note in the case narrative.

Thanks,

Howard Pham

----- Original Message -----
From: Brown, Jessica
Sent: Friday, May 17, 2002 12:28 PM
To: Howard Pham (Home) (E-mail); Howard Pham (E-mail); Steve Peterson (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Laboratory Problems

Howard,

This is Holly Rogers. Jessica is out for the day.

Following is the response from Mark Wagner regarding the volume issue for LIBRTY for Case 30472. The sampler would like the lab to take the sample from the 2 oz jar. Please advise how the lab should proceed.

Thanks,
Holly

-----Original Message-----
From: Mark Wagner [mailto:EPA4415@epa.state.il.us]
Sent: Friday, May 17, 2002 1:11 PM
To: Brown, Jessica
Cc: Mark Wagner
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | Issue Laboratory Problems

Please take the sample from the 2 oz. jar.

Mark E. Wagner, Project Manager, OSE
Illinois Environmental Protection Agency
1021 N. Grand Ave. East
P.O. Box 19276
Springfield, Illinois 62794-9276
217-524-1662, Fax 217-782-3258
epa4415@epa.state.il.us

>>> "Brown, Jessica" <Jessica.Brown@dyncorp.com> 05/17/02 11:36AM >>>
This is Holly Rogers. Jessica is out of the office today.

Following is an email from LIBRTY regarding samples received for Case 30472. Please see the email below and advise the lab how to proceed.

Thanks,
Holly

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Friday, May 17, 2002 11:47 AM
To: Brown, Jessica
Cc: Rogers, Holly
Subject: Case 30472
Importance: High

Liberty has received 5 soil encore samples (3 encore and 1-2oz jar for each sample). The samples were run and failed internal standards so they were run again and internal standards failed again. We are left with the encore that is in methanol (for med. level analysis) and the 2-oz jar (for dry weights). Since we have no way of proving instrument problems or matrix problem, we suggest that we run the sample from the 2-oz jar. We would like to know what the Region wants....

Thanks,
Alice
Alice Evans
CompuChem/Liberty
501 Madison Ave
Cary, NC 27513
919-379-4080

Alice Evans

From: Brown, Jessica <Jessica.Brown@dyncorp.com>
To: Alice Evans (E-mail) <aevans@compuchemlabs.com>
Cc: Howard Pham (E-mail) <pham.howard@epa.gov>; Bob Casper (E-mail) <epa4407@epa.state.il.us>; Mark Wagner (E-mail 2) <EPA4415@epa.state.il.us>
Sent: Monday, May 20, 2002 2:56 PM
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Documentation | FINAL

Hi Alice,

Per Region 5, please do not perform QC on SDGs E00Y9 and E00Z3, Case 30472.

In accordance with previous direction from Region 5, the laboratory will complete the Case, note the issue in the SDG Narrative, and proceed with the analysis of the samples (SMO will send a revised copy of the Scheduling Notification Form).

The temperature issue has been sent on to Region 5 for a resolution.

Thanks,
Jessica

2:14PM 5/20/02
Jessica Brown, SMO, spoke with Tony Wasilewski, IL-EPA, concerning Case 30472. LIBRTY's final shipment was sent on Thursday, for Friday, 5/17/02, delivery. No more samples will be shipped to LIBRTY under Case 30472. The lab may proceed with analyzing the samples that were received at 10 degrees C.

1:51PM 5/20/02
Jessica Brown, SMO, spoke with Alice Evans, LIBRTY, concerning Case 30472. No samples were received on Saturday, 5/18/02, for the Case. The Case was not marked complete with Thursday's shipment (samples received on Friday).

11:30AM 5/20/02
Jessica Brown, SMO, left a voice-mail message for Jerry Willman, IL-EPA, concerning shipping information for Case 30472.

-----Original Message-----
From: Brown, Jessica
Sent: Monday, May 20, 2002 9:50 AM
To: Alice Evans (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Lab QC

Hi Alice,

Did the sampler include the lab QC in the shipment sent on Saturday for Case 30472?

Thanks Alice!

Jessica

-----Original Message-----
From: Brown, Jessica
Sent: Friday, May 17, 2002 5:12 PM
To: Alice Evans (E-mail); Melissa Stevens (E-mail)
Cc: Howard Pham (E-mail); Bob Casper (E-mail); Mark Wagner (E-mail 2)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Multiple | FINAL

Alice,
This is Heather Bauer. Holly and Jessica are both out of the office this afternoon.

Following is the resolution from Region 5. Per the Region, if the sampler does not including the lab QC ~~in~~ their

shipment as of these two SDGs, the lab should proceed with the analyses without the lab QC. The Region does not want the lab use a portion of sample intended use for moisture analysis as for VOCs (Encore) analyses.

-----Original Message-----
From: HOWARD PHAM [mailto:H161259@msn.com]
Sent: Friday, May 17, 2002 5:03 PM
To: Brown, Jessica; Bob Casper (E-mail); Mark Wagner (E-mail 2)
Cc: Steve Peterson (E-mail); Howard Pham (E-mail)
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | Issue Multiple

HI Jessica,

If the sampler does not including the lab QC in their shipment as of these two SDGs, then please ask the lab proceed the analyses without the lab QC. Because we do not want the lab use a protion of sample intended use for moisture analysis as for VOCs (Encore) analyses.

Thanks,

Howard Pham

---- Original Message -----
From: Brown, Jessica
Sent: Friday, May 17, 2002 12:55 PM
To: Bob Casper (E-mail); Mark Wagner (E-mail 2)
Cc: Steve Peterson (E-mail); Howard Pham (E-mail); Howard Pham (Home) (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Multiple

This is Holly Rogers. Jessica is out for the day.

Following is an email from LIBRTY regarding samples received for Case 30472. Please see below and advise the lab how to proceed.

Thanks,
Holly

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Friday, May 17, 2002 1:28 PM
To: Brown, Jessica
Subject: Case 30472 Reg. 5

SDG E00Y9- Voa encores- Does this case require MS/MSD as the sampler is not sending extra volume for QC. If this SDG needs QC then can we use the 2-oz jar as we do not have enough to use encores?

SDG E00Z3-Received 7 soil encores for Voa analysis on 05/17/02. The temperature was 10 degrees. The Traffic Report list sample E0103 for QC but extra volume was not sent.

Alice

Alice Evans
CompuChem/Liberty
501 Madison Ave
Cary, NC 27513
919-379-4080

Alice Evans

From: Brown, Jessica <Jessica.Brown@dyncorp.com>
To: Alice Evans (E-mail) <aevans@compuchemlabs.com>
Cc: Cecilia More (E-mail) <moore.cecilia@epa.gov>; Howard Pham (E-mail) <pham.howard@epa.gov>; Bob Casper (E-mail) <epa4407@epa.state.il.us>; Mark Wagner (E-mail 2) <EPA4415@epa.state.il.us>
Sent: Monday, May 20, 2002 3:27 PM
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Z3 | Issue Preservative | FINAL

Hi Alice,

Per Region 5, please analyze the samples received under Case 30472, SDG E00Z3 and note the temperature issue in the SDG Narrative.

Thanks,
Jessica

-----Original Message-----
From: Moore.Cecilia@epamail.epa.gov [mailto:Moore.Cecilia@epamail.epa.gov]
Sent: Monday, May 20, 2002 3:03 PM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Z3 | Issue Preservative

Please proceed per sampler's request.
Cecilia Moore

-----Original Message-----
From: Brown, Jessica
Sent: Monday, May 20, 2002 3:00 PM
To: Cecilia More (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | SDG E00Z3 | Issue Preservative

Hi Cecilia,

Tony Wasilewski, IL-EPA, LIBRTY may proceed with the analysis of the samples received at 10 degrees C under Case 30472. Please note that the other issues have been dealt with in another e-mail.

Please advise.

Thanks,
Jessica

2:14PM 5/20/02
Jessica Brown, SMO, spoke with Tony Wasilewski, IL-EPA, concerning Case 30472. The lab may proceed with analyzing the samples that were received at 10 degrees C.

11:30AM 5/20/02
Jessica Brown, SMO, left a voice-mail message for Jerry Willman, IL-EPA, concerning shipping information for Case 30472.

-----Original Message-----
From: Brown, Jessica
Sent: Monday, May 20, 2002 9:50 AM
To: Alice Evans (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Lab QC

Hi Alice,

Did the sampler include the lab QC in the shipment sent on Saturday for Case 30472?

Thanks Alice!

Jessica

-----Original Message-----
From: Brown, Jessica
Sent: Friday, May 17, 2002 5:12 PM
To: Alice Evans (E-mail); Melissa Stevens (E-mail)
Cc: Howard Pham (E-mail); Bob Casper (E-mail); Mark Wagner (E-mail 2)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Multiple | FINAL

Alice,
This is Heather Bauer. Holly and Jessica are both out of the office this afternoon.

Following is the resolution from Region 5. Per the Region, if the sampler does not including the lab QC in their shipment as of these two SDGs, the lab should proceed with the analyses without the lab QC. The Region does not want the lab use a portion of sample intended use for moisture analysis as for VOCs (Encore) analyses.

-----Original Message-----
From: HOWARD PHAM [mailto:H161259@msn.com]
Sent: Friday, May 17, 2002 5:03 PM
To: Brown, Jessica; Bob Casper (E-mail); Mark Wagner (E-mail 2)
Cc: Steve Peterson (E-mail); Howard Pham (E-mail)
Subject: Re: Region 05 | Case 30472 | Lab LIBRTY | Issue Multiple

HI Jessica,

If the sampler does not including the lab QC in their shipment as of these two SDGs, then please ask the lab proceed the analyses without the lab QC. Because we do not want the lab use a protion of sample intended use for moisture analysis as for VOCs (Encore) analyses.

Thanks,

Howard Pham

----- Original Message -----
From: Brown, Jessica
Sent: Friday, May 17, 2002 12:55 PM
To: Bob Casper (E-mail); Mark Wagner (E-mail 2)
Cc: Steve Peterson (E-mail); Howard Pham (E-mail); Howard Pham (Home) (E-mail)
Subject: Region 05 | Case 30472 | Lab LIBRTY | Issue Multiple

This is Holly Rogers. Jessica is out for the day.

Following is an email from LIBRTY regarding samples received for Case 30472. Please see below and advise the lab how to proceed.

Thanks,
Holly

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Friday, May 17, 2002 1:28 PM
To: Brown, Jessica
Subject: Case 30472 Reg. 5

SDG E00Y9- Voa encores- Does this case require MS/MSD
as the sampler is not sending extra volume for QC. If this

SDG needs QC then can we use the 2-oz jar as we do not have enough to use encores?

SDG E00Z3-Received 7 soil encores for Voa analysis on 05/17/02. The temperature was 10 degrees. The Traffic Report list sample E0103 for QC but extra volume was not sent.

Alice

Alice Evans
CompuChem/Liberty
501 Madison Ave
Cary, NC 27513
919-379-4080

a Division of Liberty Analytical Corp.

Method: Solm4 encore Batch #: _____

12

SAMPLENUM	CLIENTID	LOGINNUM	Wt	Time	Date	INST #	Operator	H/T	Volume	Report	Comments
E00Z3-1	E00Z3	E00Z3	6.71	1110	5-20-02	71	2423			—	
E00Z3-2	E00Z4	E00Z3	6.24	1136						IL	
E00Z3-3	E00Z5	E00Z3	5.61	1202						—	
E00Z3-4	E00Z6	E00Z3	6.09	1227						SH	
E00Z3-5	E0101	E00Z3	6.16	1253						IL/SH	
E00Z3-6	E0102	E00Z3	6.59	1355						IL	
E00Z3-7	E0103	E00Z3	6.57	1421						IL	
WG17574-1	VBLKKV		SS.	1605						—	
WG17574-2	VBLKKW										
WG17574-3	VBLKKX										
WG17574-4	E0103MS		SS	1334	5-21	71	2423			RU	
WG17574-5	E0103MSD			1400						RU	
WG17574-6	~~WATT~~	VHBLKKV		1426					5ml	—	
E00Z3-2R			6.28	1719	5-20	71	2423			ES	
E00Z3-4R			6.1	1745						ES	
E00Z3-5R			6.28	1810						ES	
E00Z3-6R			6.46	1836						SH/SH	
E00Z3-7R			6.47	1903						ES	
E00Z3-6RZ			SS.	1307	5-21	71	2423			—	

HT 5/27/02

Due 6/6/02

6/27/01:rmh

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKKV	98	98	102		0
02	E00Z3	116	98	114		0
03	E00Z4	125	98	113		0
04	E00Z5	120	97	119		0
05	E00Z6	128	114*	128*		2
06	E0101	117	106	121*		1
07	E0103	133	102	112		0
08	E00Z4RE	130	106	119		0
09	E00Z6RE	146*	124*	146*		3
10	E0101RE	143*	124*	151*		3
11	E0103RE	136	93	130*		1
12	VBLKKW	100	102	102		0
13	E0102	114	86	104		0
14	VHBLKKV	100	100	106		0
15						
16						
17						
18						
19						
2						
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

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Lab File ID: WG17574-1A71 Lab Sample ID: WG17574-1

Date Analyzed: 05/20/02 Time Analyzed: 1003

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP71

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E00Z3	E00Z3-1	E00Z3-1A71	1110
02	E00Z4	E00Z3-2	E00Z3-2A71	1136
03	E00Z5	E00Z3-3	E00Z3-3A71	1202
04	E00Z6	E00Z3-4	E00Z3-4A71	1227
05	E0101	E00Z3-5	E00Z3-5A71	1253
06	E0103	E00Z3-7	E00Z3-7A71	1421
07	E00Z4RE	E00Z3-2	E00Z3-2RA71	1719
08	E00Z6RE	E00Z3-4	E00Z3-4RA71	1745
09	E0101RE	E00Z3-5	E00Z3-5RA71	1810
10	E0103RE	E00Z3-7	E00Z3-7RA71	1903
11				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKKW

ıb Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Lab File ID: WG17574-2A71 Lab Sample ID: WG17574-2

Date Analyzed: 05/21/02 Time Analyzed: 0954

GC Column: SPB-624 ID: 0.32 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5972HP71

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0102	E00Z3-6	E00Z3-6R2A71	1307
02	VHBLKKV	WG17574-6	WG17574-6A71	1426
03				
04				
05				
06				
07				
08				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z3

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-1

Sample wt/vol: 6.71(g/mL) G Lab File ID: E00Z3-1A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 15 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	11	B u
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~JB~~ u
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	2	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	4	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	3	J
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z3

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-1

Sample wt/vol: 6.71(g/mL) G Lab File ID: E00Z3-1A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 15 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	5	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	7	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (Total)	4	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10 ~~0.9~~	~~J~~ BU
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

5 6/10/02

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Z3

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-1

Sample wt/vol: 6.71(g/mL) G Lab File ID: E00Z3-1A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 15 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.39	200	J
2.	UNKNOWN	7.18	5	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z4

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-2

Sample wt/vol: 6.24(g/mL) G Lab File ID: E00Z3-2A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 16 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	25	B U
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	4	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	3	J
107-06-2	1,2-Dichloroethane	10	U

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1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z4

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-2

Sample wt/vol: 6.24(g/mL) G Lab File ID: E00Z3-2A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 16 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	4	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	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)	1	J
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.

E00Z4

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-2

Sample wt/vol: 6.24(g/mL) G Lab File ID: E00Z3-2A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 16 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ESTER	9.54	6	J
2.	LABORATORY ARTIFACT	11.71	6	J
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z4RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-2

Sample wt/vol: 6.28(g/mL) G Lab File ID: E00Z3-2RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 16 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	29	BU
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~J~~BU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	4	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	3	J
107-06-2	1,2-Dichloroethane	10	U

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1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z4RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-2

Sample wt/vol: 6.28(g/mL) G Lab File ID: E00Z3-2RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 16 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	4	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	4	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	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Z4RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-2

Sample wt/vol: 6.28(g/mL) G Lab File ID: E00Z3-2RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 16 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	3.39	180	J
2.				
3.				
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

E00Z5

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-3

Sample wt/vol: 5.61(g/mL) G Lab File ID: E00Z3-3A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 25 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	1	J
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	50	B
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	~~2~~ 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	10	J
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	2	J
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	3	J
107-06-2	1,2-Dichloroethane	12	U

5 6/10/02

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z5

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-3

Sample wt/vol: 5.61(g/mL) G Lab File ID: E00Z3-3A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 25 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	4	J
108-87-2	Methylcyclohexane	3	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	2	J
108-88-3	Toluene	6	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	12	U
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (Total)	2	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	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Z5

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-3

Sample wt/vol: 5.61(g/mL) G Lab File ID: E00Z3-3A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 25 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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.	UNKNOWN	4.15	70	J
2.	UNKNOWN	4.43	44	J
3.	UNKNOWN	7.18	19	J
4.	UNKNOWN ALDEHYDE	8.20	13	J
5. 763-29-1	1-PENTENE, 2-METHYL-	8.28	6	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z6

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-4

Sample wt/vol: 6.09(g/mL) G Lab File ID: E00Z3-4A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 18 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	14	BU
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~J~~BU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	5	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	10	U

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FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z6

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-4

Sample wt/vol: 6.09(g/mL) G Lab File ID: E00Z3-4A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 18 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	6	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	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	3	J
1330-20-7	Xylene (Total)	4	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10 ~~1~~	~~J~~ JB4
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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FORM I VOA-2 OLM04.2

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Z6

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-4

Sample wt/vol: 6.09(g/mL) G Lab File ID: E00Z3-4A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 18 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	3.39	170	J
2.	UNKNOWN	7.19	26	J
3. 140-88-5	2-PROPENOIC ACID, ETHYL ESTE	9.54	5	NJ
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z6RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-4

Sample wt/vol: 6.10(g/mL) G Lab File ID: E00Z3-4RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 18 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	16	B U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~2~~	~~J~~B U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	5	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	10	U

SF 6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E00Z6RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-4

Sample wt/vol: 6.10(g/mL) G Lab File ID: E00Z3-4RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 18 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	5	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	1	J
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	2	J
1330-20-7	Xylene (Total)	4	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10 ~~1~~	~~J~~BU
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

S 6/10/02

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E00Z6RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-4

Sample wt/vol: 6.10(g/mL) G Lab File ID: E00Z3-4RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 18 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.16	100	J
2.	UNKNOWN	7.19	33	J
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0101

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-5

Sample wt/vol: 6.16(g/mL) G Lab File ID: E00Z3-5A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 22 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	18	BU
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	9	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	8	J
107-06-2	1,2-Dichloroethane	10	U

6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0101

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-5

Sample wt/vol: 6.16(g/mL) G Lab File ID: E00Z3-5A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 22 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	9	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	13	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	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	3	J
1330-20-7	Xylene (Total)	7	J
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.

E0101

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-5

Sample wt/vol: 6.16(g/mL) G Lab File ID: E00Z3-5A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 22 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.39	210	J
2.	UNKNOWN	7.18	42	J
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0101RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-5

Sample wt/vol: 6.28(g/mL) G Lab File ID: E00Z3-5RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 22 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	18	BU
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	~~J~~BU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	6	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	4	J
107-06-2	1,2-Dichloroethane	10	U

6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0101RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-5

Sample wt/vol: 6.28(g/mL) G Lab File ID: E00Z3-5RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 22 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	7	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	1	J
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	1	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	3	J
1330-20-7	Xylene (Total)	5	J
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.

E0101RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-5

Sample wt/vol: 6.28(g/mL) G Lab File ID: E00Z3-5RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 22 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.81	160	J
2.	UNKNOWN	7.19	19	J
3.	LABORATORY ARTIFACT	11.71	5	J
4.	LABORATORY ARTIFACT	12.79	8	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0102

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-6

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Z3-6R2A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 13 Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (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	24	B
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	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	4	J
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	4	J
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	11	U

6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0102

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-6

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Z3-6R2A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 13 Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (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	5	J
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (Total)	2	J
100-42-5	Styrene	11 ~~2~~	~~J~~BU
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
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

FORM I VOA-2 OLM04.2

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0102

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-6

Sample wt/vol: 5.0(g/mL) G Lab File ID: E00Z3-6R2A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 13 Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (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	3.78	78	J
2.	UNKNOWN	7.08	11	J
3. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.71	10	NJ
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0103

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-7

Sample wt/vol: 6.57(g/mL) G Lab File ID: E00Z3-7A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 12 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	22	BU
75-15-0	Carbon Disulfide	2	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	1	JBU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	10	U

6/10/02

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

E0103

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-7

Sample wt/vol: 6.57(g/mL) G Lab File ID: E00Z3-7A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 12 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	2	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	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.

E0103

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-7

Sample wt/vol: 6.57(g/mL) G Lab File ID: E00Z3-7A71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 12 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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.	UNKNOWN	3.38	240	J
2.	UNKNOWN	7.09	15	J
3.	UNKNOWN	7.19	22	J
4.	LABORATORY ARTIFACT	11.71	36	J
5.	LABORATORY ARTIFACT	12.79	28	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0103RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-7

Sample wt/vol: 6.47(g/mL) G Lab File ID: E00Z3-7RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 12 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	23	BU
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~2~~	~~J~~BU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	4	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U

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1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0103RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-7

Sample wt/vol: 6.47(g/mL) G Lab File ID: E00Z3-7RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 12 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	2	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	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	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0103RE

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: E00Z3-7

Sample wt/vol: 6.47(g/mL) G Lab File ID: E00Z3-7RA71

Level: (low/med) LOW Date Received: 05/17/02

% Moisture: not dec. 12 Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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.	UNKNOWN	3.39	190	J
2.	UNKNOWN	4.16	82	J
3.	UNKNOWN	7.10	24	J
4.	UNKNOWN	7.20	67	J
5.	UNKNOWN HYDROCARBON	8.29	8	J
6.	LABORATORY ARTIFACT	10.45	6	J
7.	LABORATORY ARTIFACT	12.78	85	J
8.	LABORATORY ARTIFACT	14.13	8	J
9.				
10.				
11.				
12.				
13.				
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16.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-1

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17574-1A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	7	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-1

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17574-1A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (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	3	J
75-25-2	Bromoform	1	J
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-1

Sample wt/vol: 5.00(g/mL) G Lab File ID: WG17574-1A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKW

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17574-2A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKW

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17574-2A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (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	2	J
75-25-2	Bromoform	2	J
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.

VBLKKW

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-2

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17574-2A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (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.

VHBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-6

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17574-6A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (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 ~~5~~	~~J~~BU
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~J~~BU
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

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1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-6

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17574-6A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (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	~~4~~	~~JB~~ U
75-25-2	Bromoform	~~1~~	JB
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKKV

Lab Name: COMPUCHEM Contract: 68W99070

Lab Code: LIBRTY Case No.: 30472 SAS No.: SDG No.: E00Z3

Matrix: (soil/water) SOIL Lab Sample ID: WG17574-6

Sample wt/vol: 5.0(g/mL) G Lab File ID: WG17574-6A71

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/02

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E0023 CERCLIS No: IL R000 508246

Case No: 31472 Site Name/Location: Elsworth Indus. Park

Contractor or EPA Lab: Compuchem Data User: IEPA

No. of Samples: 7 Date Sampled or Date Received: 5-31-02

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: 7 No. of samples received: 7

Received by: Eva M. Dixon/ESAT Date: 5-31-02

Received by LSSS: Eva M. Dixon/ESAT Date: 5-31-02

Review started: 6/10/02 Reviewer Signature: Stephanie Tobin

Total time spent on review: ____ Date review completed: ____

Copied by: Eva M. Dixon/ESAT Date: 6-12-02

Mailed to user by: Eva M. Dixon/ESAT Date: 6-12-02

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

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

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

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

Received by Data Mgmt. Coordinator for Files. Date: ____

DATE: June 27, 2002

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

Attn: Bob Casper

SITE NAME: Elsworth Industrial Park

x-18
x-100
x-24 A
x-24 B
x-25
x-26 A
x-26 B
x-27 A
x-27 B
x-27 BD

x-22
x-41A
x-41B

CASE NO.	LAB	NO. OF SAMPLES	SDG	MATRIX
30534	Clayton	13	E0115	Soil

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

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

Data Received by:_____ Date:_____

PROBLEMS:

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

_____

_____

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

Signature:_____

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

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

RECEIVED
JUL 01 2002
IEPA-BOL-FSRS

JUN 27 2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: _____

SUBJECT: Review of Data
Received for Review on June 19, 2002

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Elsworth Industrial Park (IL)

CASE NUMBER: 30534 SDG NUMBER: E0115

N..ıber and Type of Samples: 13 Soils

Sample Numbers: E0115 - E0121, E0129 - E0132, E0134, E0135

Laboratory: Clayton Hrs. for Review: _____

Following are our findings:

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

Case Number : 30534 SDG Number: E0115
Site Name: ELSWORTH INDUSTRIAL PARK (IL) Laboratory: CLAYTON

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

Thirteen (13) soil samples, numbered *E0115* through *E0121, E0129* through *E0132, E0134* and *E0135* were collected *May 20 - 24, 2002*. The lab received the samples *May 21 - 28, 2002* in good condition. All samples were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLM04.2* 5/99.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 26, 2002

Case Number : 30534 SDG Number: E0115
:e Name: ELSWORTH INDUSTRIAL PARK (IL) Laboratory: CLAYTON

1. HOLDING TIME

No problems found for this qualification.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

3. CALIBRATION

The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are flagged "UJ".

Methylene Chloride
E0130, E0131, VBLKKQ, VHBLKKA

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

Dichlorodifluoromethane
E0115, E0115MS, E0115MSD, E0116, E0116RE, E0117, VBLKJX, VBLKJY

Chloromethane, Vinyl Chloride, Methyl Acetate
E0116RE, VBLKJY

Bromomethane, Acetone, 2-Butanone
E0129, E0132, E0134, E0134DL, E0135, VBLKJG

Chloroethane
E0117DL, E0118, E0118MS, E0118MSD, E0119, E0120, E0121, VBLKJB

Methylene Chloride
E0115, E0115MS, E0115MSD, E0116, E0117, E0130, E0131, VBLKJX, VBLKKQ, VHBLKK

Benzene
E0115, E0115MS, E0115MSD, E0116, E0117, VBLKJX

4. BLANKS

The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to five times (5X) the associated method blank concentration. Hits are qualified "U" or "UJ" and non-d cts are not flagged.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 26, 2002

Case Number : 30534 SDG Number: E0115
:e Name: ELSWORTH INDUSTRIAL PARK (IL) Laboratory: CLAYTON

E0115MS, E0117
Benzene, Toluene

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-detec are not flagged.

Acetone
E0115, E0115MS, E0115MSD, E0116, E0117, E0130, E0131

Methylene Chloride
E0130, E0131

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 hav been elevated to the CRQL. Hits are qualified "U" or "UJ" and non-detects are not flagged.

E0115
Benzene, Toluene, Xylenes (total)

E0115MS, E0115MSD
Xylenes (total)

E0116
Toluene

E0130, E0131, VHBLKKA
Chloromethane, 1,2,4-Trichlorobenzene

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" or "UJ" and non-detects are not flagged.

Acetone
E0117DL, E0118, E0118MS, E0118MSD, E0119, E0120, E0121, VHBLKKA

Methylene Chloride
E0115, E0115MS, E0115MSD, E0116, E0117, E0117DL, E0118, E0119, E0129, E0134, VHBLKKA

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

Case Number : 30534 SDG Number: E0115
Site Name: ELSWORTH INDUSTRIAL PARK (IL) Laboratory: CLAYTON

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.

E0115, E0115MS, E0115MSD, E0130, E0131

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.

E0115MS, E0115MSD
1,1-Dichloroethene , Benzene, Trichloroethene, Toluene, Chlorobenzene

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

E0115MS
1,1-Dichloroethene , Benzene, Trichloroethene, Toluene, Chlorobenzene

E0115MSD
Benzene, Toluene, Chlorobenzene

The presence of Benzene, Toluene and Chlorobenzene in the unspiked sample, E0115, is qualified as estimated, "J" and non-detects are qualified "UJ". The presence of 1,1-Dichloroethene and Trichloroethene in the unspiked sample, E0115, is qualified as estimated, "J" and non-detects are qualified as unusable "R" because the percent recoveries were less than ten percent (10%).

7. FIELD BLANK AND FIELD DUPLICATE

Sample E0131 is a field duplicate of Sample *E0130*. Results are summarized in the following table:

Analytes	E0130		E0131	
Carbon Disulfide	1	J	1	J
2-Butanone			4	J
Cyclohexane	4	J	5	J
Benzene	1	J	1	J
Methylcyclohexane	3	J	3	J
Toluene	1	J	1	J

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 26, 2002

Case Number : 30534 SDG Number: E0115
:e Name: ELSWORTH INDUSTRIAL PARK (IL) Laboratory: CLAYTON

Sample E0131 contained one (1) volatile TIC. Results are not qualified based upon the results of the fiel blank or field duplicates.

8. INTERNAL STANDARDS

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

E0115, E0115MS, E0115MSD, E0116, E0116RE
4-Methyl-2-pentanone, Toluene, Tetrachloroethene, 2-Hexanone, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA compounds were properly identified.

10 COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

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

E0115
Cyclohexane, Methylcyclohexane, Ethylbenzene

E0115MS
1,1-Dichloroethene, Cyclohexane, Trichloroethene, Methylcyclohexane, Chlorobenzene, Ethylbenzene

E0115MSD
Carbon Disulfide, Cyclohexane, Methylcyclohexane, Ethylbenzene

E0116
Chloromethane, 2-Butanone, 1,4-Dichlorobenzene

E0116RE
Methylene Chloride, 2-Butanone, Benzene, Toluene, Tetrachloroethene

E0117
cis-1,2-Dichloroethene, 2-Butanone, 1,1,1-Trichloroethane, Cyclohexane,

Case Number : 30534 SDG Number: E0115
.e Name: ELSWORTH INDUSTRIAL PARK (IL) Laboratory: CLAYTON

Methylcyclohexane, Tetrachloroethene, Ethylbenzene, Xylenes (total)

E0117DL, E0118MS, E0118MSD
2-Butanone

E0118
2-Butanone, Trichloroethene

E0119
2-Butanone, 1,1,1-Trichloroethane, Tetrachloroethene

E0120
2-Butanone, Methylcyclohexane

E0121
2-Butanone, Tetrachloroethene

E0129
Acetone, 2-Butanone

E0130
Carbon Disulfide, Cyclohexane, Benzene, Methylcyclohexane, Toluene

E0131
Carbon Disulfide, 2-Butanone, Cyclohexane, Benzene, Methylcyclohexane, Toluene

E0132
Acetone, Tetrachloroethene

E0134
Acetone, 2-Butanone, Trichloroethene, 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene

E0134DL, VBLKJB, VBLKJY
Acetone

VBLKJG
Methylene Chloride

VBLKJX
Acetone, Benzene, Toluene, Xylenes (total), 1,2,4-Trichlorobenzene

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 26, 2002

Case Number : 30534 SDG Number: E0115
Site Name: ELSWORTH INDUSTRIAL PARK (IL) Laboratory: CLAYTON

VBLKKQ
Chloromethane, Acetone, Methylene Chloride, Xylenes (total), 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

11. SYSTEM PERFORMANCE

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

12. ADDITIONAL INFORMATION

Three (3) samples; E0119, E0120 and E0121 arrived at the laboratory with a temperature of 0.2 °C. Two (2) samples; E0134 and E0135 arrived at the laboratory with a temperature of 12.6 °C.

The following volatile samples have analyte concentrations that exceeded the instrument's calibration range. The results from the diluted analysis should be considered the analyte's final concentration.

E0117
Trichloroethene

The following samples had detects misqualified on the laboratory Form Is as non-detects, "U". There was no indication on the raw data that the detects had been qualified at the laboratory as "false positives"; therefore the Form Is were corrected to reflect the values and qualifiers presented in the following table.

Sample	Analyte	µg/Kg	Qualifier
E0117DL	Methylene Chloride	90	J
E0118	Methylene Chloride	110	J
E0119	Methylene Chloride	95	J
E0129	Acetone 2-Butanone	120 110	J J
E0130	Carbon Disulfide	1	J
E0132	Acetone Tetrachloroethene	100 100	J J
E0134	Acetone	120	J
VBLKJB	Methylene Chloride	130	J

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 26, 2002

Case Number : 30534 **SDG Number:** E0115
Site Name: ELSWORTH INDUSTRIAL PARK (IL) **Laboratory:** CLAYTON

The CRQLs reported on the Laboratory Form Is were not correctly adjusted for sample weight and percen moisture. The Contract CRQL for low level soil samples is 10 µg/Kg and 1200 µg/Kg for medium level soi samples. The corrected values are presented in the following table and reflect the values reported in the CADRE spreadsheet.

Sample	Sample wgt, (g)	% moisture	Level	Reported CRQL, µg/Kg	Correctly Adj. CRQL, µg/Kg	CADRE CRQL, µg/Kg
E0115	6.53	0.14	Low	10	8.90	9
E0116	5.26	0.23	Low	12	12.35	12
E0117	6.19	0.10	Low	10	8.98	9
E0117DL	6.33	0.10	Medium	1300	842.55	840
E0118	6.18	0.16	Medium	1300	924.64	920
E0119	6.23	0.16	Medium	1300	917.22	920
E0120	6.05	0.15	Medium	1300	933.40	930
E0121	6.32	0.16	Medium	1300	904.16	900
E0129	5.83	0.14	Medium	1300	957.36	960
E0130	6.86	0.09	Low	10	8.01	8
E0131	6.29	0.11	Low	10	8.93	9
E0132	6.76	0.10	Medium	1300	788.95	790
E0134	6.30	0.16	Medium	1300	907.03	910
E0134DL (Dil. factor =20)	6.30	0.16	Medium	19000	18140.59	18000
E0135 (Dil. factor = 10)	6.01	0.12	Medium	9500	9075.78	9100

Reviewed By: Allison Harvey/IITRI-ESAT
Date: June 26, 2002

CADRE Data Qualifier Sheet

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

Volatile Analysis Data - E0117DL
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
000075-07-0	ACETALDEHYDE	5.42	900.000	NJ
	UNKNOWN	8.11	790.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 1

Volatile Analysis Data - E0118
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (5.42)	5.42	1100.000	J
	UNKNOWN (8.1)	8.10	890.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 2

Volatile Analysis Data - E0119
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (5.42)	5.42	980.000	J
	UNKNOWN (6.2)	6.20	710.000	J
	UNKNOWN (8.1)	8.10	860.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 3

Volatile Analysis Data - E0120
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
000075-07-0	ACETALDEHYDE	5.42	990.000	NJ
	UNKNOWN (5.9)	5.90	2400.000	J
	UNKNOWN (8.1)	8.10	850.000	J
	UNKNOWN (17.85)	17.85	520.000	J
	UNKNOWN (20.04)	20.04	810.000	J
	UNKNOWN (24.04)	24.04	520.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 4

Volatile Analysis Data - E0121
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (5.42)	5.42	800.000	J
	UNKNOWN (6.21)	6.21	2000.000	J
	UNKNOWN (8.12)	8.12	830.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 5

Volatile Analysis Data - VBLKJG
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
000075-07-0	ACETALDEHYDE	5.42	1700.000	NJ
	UNKNOWN (8.06)	8.06	750.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 6

Volatile Analysis Data - E0134
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (5.9)	5.90	2200.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 7

Volatile Analysis Data - VIBLKJA
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.43	3200.000	J

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 8

Volatile Analysis Data - E0129
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 9

Volatile Analysis Data - E0132
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 10

Volatile Analysis Data - E0134DL
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

S NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q

FILE NAME: E0115.SDG DATE: 06/19/2002 TIME: 14:48 CADRE99 PAGE: 11

Volatile Analysis Data - E0135
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS 'UMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	5.43	17000.000	J

Volatile Analysis Data - VBLKJX
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (5.46)	5.46	19.000	J
000541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	16.44	19.000	NJ
000556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL-	20.59	19.000	NJ
	UNKNOWN (23.46)	23.46	23.000	J

Volatile Analysis Data - E0115
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (4.41)	4.41	68.000	J
'75-18-3	METHANE, THIOBIS-	7.85	12.000	NJ
	UNKNOWN (16.48)	16.48	16.000	J

Volatile Analysis Data - E0116
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (4.39)	4.39	9.000	J
	UNKNOWN (6.6)	6.60	15.000	J
	UNKNOWN (16.46)	16.46	8.000	J
	UNKNOWN (17.75)	17.75	6.000	J

Volatile Analysis Data - E0117
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
000075-07-0	ACETALDEHYDE	5.46	24.000	NJ

Volatile Analysis Data - VBLKJY
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
000541-05-9	CYCLOTRISILOXANE, HEXAMETHYL-	16.45	41.000	NJ
000556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL-	20.59	28.000	NJ
	UNKNOWN (23.46)	23.46	65.000	J
000103-09-3	ACETIC ACID, 2-ETHYLHEXYL ESTER	24.43	17.000	NJ
	UNKNOWN (26.27)	26.27	13.000	J

Volatile Analysis Data - E0116RE
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (4.39)	4.39	8.000	J
	UNKNOWN (5.06)	5.06	10.000	J
	UNKNOWN (5.48)	5.48	25.000	J
	UNKNOWN (6.61)	6.61	7.000	J
	UNKNOWN (17.75)	17.75	7.000	J

Volatile Analysis Data - VBLKKQ
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN (15.8)	15.80	63.000	J
	UNKNOWN (18.6)	18.60	33.000	J
	UNKNOWN (21.35)	21.35	8.000	J

Volatile Analysis Data - E0130
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q

Volatile Analysis Data - E0131
Tentatively Identified Compounds

CASE NO: 30534 LABORATORY: CLAYTON GROUP SERVICES
SDG NO: E0115

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN	3.84	60.000	J

Volatile Analysis Data - VHBLKKA
Tentatively Identified Compounds

CASE NO: 30534
SDG NO: E0115

LABORATORY: CLAYTON GROUP SERVICES

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
000075-07-0	ACETALDEHYDE	4.77	17.000	NJ
000556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL-	15.81	52.000	NJ

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Number of Soil Samples : 13
Number of Water Samples : 0

Sample Number :	E0115		E0115MS		E0115MSD		E0116		E0116RE	
Sampling Location :	X18		X18		X18		X100		X100	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/20/2002		05/20/2002		05/20/2002		05/20/2002		05/20/2002	
Time Sampled :	12:35		12:35		12:35		15:00		15:00	
%Moisture :	14		14		14		23		23	
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	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
Chloromethane	9	U	9	U	9	U	4	J	12	UJ
Vinyl Chloride	9	U	9	U	9	U	12	U	12	UJ
Bromomethane	9	U	9	U	9	U	12	U	12	U
Chloroethane	9	U	9	U	9	U	12	U	12	U
Trichlorofluoromethane	9	U	9	U	9	U	12	U	12	U
1,1-Dichloroethene	9	R	4	J	60	J	12	U	12	U
1,1,2-Trichloro-1,2,2-trifluoroethane	9	U	9	U	9	U	12	U	12	U
Acetone	13	U	16	U	18	U	40	U	150	
Carbon Disulfide	9	U	9	U	1	J	12	U	12	U
Methyl Acetate	9	U	9	U	9	U	12	U	12	UJ
Methylene Chloride	9	UJ	9	UJ	9	UJ	12	UJ	3	J
trans-1,2-Dichloroethene	9	U	9	U	9	U	12	U	12	U
Methyl tert-Butyl Ether	9	U	9	U	9	U	12	U	12	U
1,1-Dichloroethane	9	U	9	U	9	U	12	U	12	U
cis-1,2-Dichloroethene	9	U	9	U	9	U	57		31	
2-Butanone	9	U	9	U	9	U	6	J	7	J
Chloroform	9	U	9	U	9	U	12	U	12	U
1,1,1-Trichloroethane	9	U	9	U	9	U	12	U	12	U
Cyclohexane	6	J	7	J	7	J	12	U	12	U
Carbon Tetrachloride	9	U	9	U	9	U	12	U	12	U
Benzene	9	UJ	16	UJ	73	J	12	UJ	11	J
1,2-Dichloroethane	9	U	9	U	9	U	12	U	12	U
Trichloroethene	9	R	3	J	61	J	230		26	
Methylcyclohexane	7	J	8	J	7	J	12	U	12	U
1,2-Dichloropropane	9	U	9	U	9	U	12	U	12	U
Bromodichloromethane	9	U	9	U	9	U	12	U	12	U
cis-1,3-Dichloropropene	9	U	9	U	9	U	12	U	12	U
4-Methyl-2-pentanone	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
Toluene	9	UJ	17	J	120	J	12	UJ	4	J
trans-1,3-Dichloropropene	9	U	9	U	9	U	12	U	12	U
1,1,2-Trichloroethane	9	U	9	U	9	U	12	U	12	U
Tetrachloroethene	9	UJ	9	UJ	9	UJ	72	J	4	J

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	E0115		E0115MS		E0115MSD		E0116		E0116RE	
Sampling Location :	X18		X18		X18		X100		X100	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/20/2002		05/20/2002		05/20/2002		05/20/2002		05/20/2002	
Time Sampled :	12:35		12:35		12:35		15:00		15:00	
%Moisture :	14		14		14		23		23	
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	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
Dibromochloromethane	9	U	9	U	9	U	12	U	12	U
1,2-Dibromoethane	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
Chlorobenzene	9	UJ	5	J	88	J	12	UJ	12	UJ
Ethylbenzene	2	J	2	J	2	J	12	UJ	12	UJ
Xylenes (total)	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
Styrene	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
Bromoform	9	U	9	U	9	U	12	U	12	U
Isopropylbenzene	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
1,1,2,2-Tetrachloroethane	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
1,3-Dichlorobenzene	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
1,4-Dichlorobenzene	9	UJ	9	UJ	9	UJ	3	J	12	UJ
1,2-Dichlorobenzene	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
1,2-Dibromo-3-chloropropane	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ
1,2,4-Trichlorobenzene	9	UJ	9	UJ	9	UJ	12	UJ	12	UJ

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	E0117		E0117DL		E0118		E0118MS		E0118MSD	
Sampling Location :	X24A		X24A		X24B		X24B		X24B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/20/2002		05/20/2002		05/20/2002		05/20/2002		05/20/2002	
Time Sampled :	13:30		13:30		14:00		14:00		14:00	
%Moisture :	10		10		16		16		16	
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	9	UJ	840	U	920	U	920	U	920	U
Chloromethane	9	U	840	U	920	U	920	U	920	U
Vinyl Chloride	9	U	840	U	920	U	920	U	920	U
Bromomethane	9	U	840	U	920	U	920	U	920	U
Chloroethane	9	UJ	840	UJ	920	UJ	920	UJ	920	UJ
Trichlorofluoromethane	9	U	840	U	920	U	920	U	920	U
1,1-Dichloroethene	9	U	840	U	920	U	4900		4900	
1,1,2-Trichloro-1,2,2-trifluoroethane	9	U	840	U	920	U	920	U	920	U
Acetone	11	U	840	U	920	U	920	U	920	U
Carbon Disulfide	9	U	840	U	920	U	920	U	920	U
Methyl Acetate	9	U	840	U	920	U	920	U	920	U
Methylene Chloride	9	UJ	840	U	920	U	920	U	920	U
trans-1,2-Dichloroethene	9	U	840	U	920	U	920	U	920	U
Methyl tert-Butyl Ether	9	U	840	U	920	U	920	U	920	U
1,1-Dichloroethane	9	U	840	U	920	U	920	U	920	U
cis-1,2-Dichloroethene	1	J	840	U	920	U	920	U	920	U
2-Butanone	3	J	210	J	220	J	180	J	170	J
Chloroform	9	U	840	U	920	U	920	U	920	U
1,1,1-Trichloroethane	4	J	840	U	920	U	920	U	920	U
Cyclohexane	6	J	840	U	920	U	920	U	920	U
Carbon Tetrachloride	9	U	840	U	920	U	920	U	920	U
Benzene	12	UJ	840	U	920	U	4700		4700	
1,2-Dichloroethane	9	U	840	U	920	U	920	U	920	U
Trichloroethene	970		1100		490	J	3500		4200	
Methylcyclohexane	7	J	840	U	920	U	920	U	920	U
1,2-Dichloropropane	9	U	840	U	920	U	920	U	920	U
Bromodichloromethane	9	U	840	U	920	U	920	U	920	U
cis-1,3-Dichloropropene	9	U	840	U	920	U	920	U	920	U
4-Methyl-2-pentanone	9	U	840	U	920	U	920	U	920	U
Toluene	16	U	840	U	920	U	4600		4500	
trans-1,3-Dichloropropene	9	U	840	U	920	U	920	U	920	U
1,1,2-Trichloroethane	9	U	840	U	920	U	920	U	920	U
Tetrachloroethene	6	J	840	U	920	U	920	U	920	U

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	E0117		E0117DL		E0118		E0118MS		E0118MSD	
Sampling Location :	X24A		X24A		X24B		X24B		X24B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/20/2002		05/20/2002		05/20/2002		05/20/2002		05/20/2002	
Time Sampled :	13:30		13:30		14:00		14:00		14:00	
%Moisture :	10		10		16		16		16	
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	9	U	840	U	920	U	920	U	920	U
Dibromochloromethane	9	U	840	U	920	U	920	U	920	U
1,2-Dibromoethane	9	U	840	U	920	U	920	U	920	U
Chlorobenzene	9	U	840	U	920	U	4800		4700	
Ethylbenzene	4	J	840	U	920	U	920	U	920	U
Xylenes (total)	7	J	840	U	920	U	920	U	920	U
Styrene	9	U	840	U	920	U	920	U	920	U
Bromoform	9	U	840	U	920	U	920	U	920	U
Isopropylbenzene	9	U	840	U	920	U	920	U	920	U
1,1,2,2-Tetrachloroethane	9	U	840	U	920	U	920	U	920	U
1,3-Dichlorobenzene	9	U	840	U	920	U	920	U	920	U
1,4-Dichlorobenzene	9	U	840	U	920	U	920	U	920	U
1,2-Dichlorobenzene	9	U	840	U	920	U	920	U	920	U
1,2-Dibromo-3-chloropropane	9	U	840	U	920	U	920	U	920	U
1,2,4-Trichlorobenzene	9	U	840	U	920	U	920	U	920	U

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab : CLAYTN
Reviewer :
Date :

Sample Number :	E0119		E0120		E0121		E0129		E0130	
Sampling Location :	X25		X26A		X26B		X27A		X27B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/21/2002		05/21/2002		05/21/2002		05/23/2002		05/23/2002	
Time Sampled :	09:00		16:00		16:30		08:15		08:30	
%Moisture :	16		15		16		14		9	
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	920	U	930	U	900	U	960	U	8	U
Chloromethane	920	U	930	U	900	U	960	U	8	U
Vinyl Chloride	920	U	930	U	900	U	960	U	8	U
Bromomethane	920	U	930	U	900	U	960	UJ	8	U
Chloroethane	920	UJ	930	UJ	900	UJ	960	U	8	U
Trichlorofluoromethane	920	U	930	U	900	U	960	U	8	U
1,1-Dichloroethene	920	U	930	U	900	U	960	U	8	U
1,1,2-Trichloro-1,2,2-trifluoroethane	920	U	930	U	900	U	960	U	8	U
Acetone	920	U	930	U	900	U	120	J	17	U
Carbon Disulfide	920	U	930	U	900	U	960	U	1	J
Methyl Acetate	920	U	930	U	900	U	960	U	8	U
Methylene Chloride	920	U	930	U	900	U	960	U	11	UJ
trans-1,2-Dichloroethene	920	U	930	U	900	U	960	U	8	U
Methyl tert-Butyl Ether	920	U	930	U	900	U	960	U	8	U
1,1-Dichloroethane	920	U	930	U	900	U	960	U	8	U
cis-1,2-Dichloroethene	920	U	930	U	900	U	960	U	8	U
2-Butanone	220	J	240	J	170	J	110	J	8	U
Chloroform	920	U	930	U	900	U	960	U	8	U
1,1,1-Trichloroethane	620	J	930	U	900	U	960	U	8	U
Cyclohexane	920	U	930	U	900	U	960	U	4	J
Carbon Tetrachloride	920	U	930	U	900	U	960	U	8	U
Benzene	920	U	930	U	900	U	960	U	1	J
1,2-Dichloroethane	920	U	930	U	900	U	960	U	8	U
Trichloroethene	10000		1000		990		4100		8	U
Methylcyclohexane	920	U	310	J	900	U	960	U	3	J
1,2-Dichloropropane	920	U	930	U	900	U	960	U	8	U
Bromodichloromethane	920	U	930	U	900	U	960	U	8	U
cis-1,3-Dichloropropene	920	U	930	U	900	U	960	U	8	U
4-Methyl-2-pentanone	920	U	930	U	900	U	960	U	8	U
Toluene	920	U	930	U	900	U	960	U	1	J
trans-1,3-Dichloropropene	920	U	930	U	900	U	960	U	8	U
1,1,2-Trichloroethane	920	U	930	U	900	U	960	U	8	U
Tetrachloroethene	580	J	930	U	400	J	960	U	8	U

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	E0119		E0120		E0121		E0129		E0130	
Sampling Location :	X25		X26A		X26B		X27A		X27B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/21/2002		05/21/2002		05/21/2002		05/23/2002		05/23/2002	
Time Sampled :	09:00		16:00		16:30		08:15		08:30	
%Moisture :	16		15		16		14		9	
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	920	U	930	U	900	U	960	U	8	U
Dibromochloromethane	920	U	930	U	900	U	960	U	8	U
1,2-Dibromoethane	920	U	930	U	900	U	960	U	8	U
Chlorobenzene	920	U	930	U	900	U	960	U	8	U
Ethylbenzene	920	U	930	U	900	U	960	U	8	U
Xylenes (total)	920	U	930	U	900	U	960	U	8	U
Styrene	920	U	930	U	900	U	960	U	8	U
Bromoform	920	U	930	U	900	U	960	U	8	U
Isopropylbenzene	920	U	930	U	900	U	960	U	8	U
1,1,2,2-Tetrachloroethane	920	U	930	U	900	U	960	U	8	U
1,3-Dichlorobenzene	920	U	930	U	900	U	960	U	8	U
1,4-Dichlorobenzene	920	U	930	U	900	U	960	U	8	U
1,2-Dichlorobenzene	920	U	930	U	900	U	960	U	8	U
1,2-Dibromo-3-chloropropane	920	U	930	U	900	U	960	U	8	U
1,2,4-Trichlorobenzene	920	U	930	U	900	U	960	U	8	U

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	E0131		E0132		E0134		E0134DL		E0135	
Sampling Location :	X27BD		X22		X41A		X41A		X41B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2002		05/23/2002		05/24/2002		05/24/2002		05/24/2002	
Time Sampled :	08:30		12:30		07:30		07:30		10:30	
%Moisture :	11		10		16		16		12	
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	9	U	790	U	910	U	18000	U	9100	U
Chloromethane	9	U	790	U	910	U	18000	U	9100	U
Vinyl Chloride	9	U	790	U	910	U	18000	U	9100	U
Bromomethane	9	U	790	UJ	910	UJ	18000	UJ	9100	UJ
Chloroethane	9	U	790	U	910	U	18000	U	9100	U
Trichlorofluoromethane	9	U	790	U	910	U	18000	U	9100	U
1,1-Dichloroethene	9	U	790	U	910	U	18000	U	9100	U
1,1,2-Trichloro-1,2,2-trifluoroethane	9	U	790	U	910	U	18000	U	9100	U
Acetone	20	U	100	J	120	J	1900	J	9100	UJ
Carbon Disulfide	1	J	790	U	910	U	18000	U	9100	U
Methyl Acetate	9	U	790	U	910	U	18000	U	9100	U
Methylene Chloride	14	UJ	790	U	910	U	18000	U	9100	U
trans-1,2-Dichloroethene	9	U	790	U	910	U	18000	U	9100	U
Methyl tert-Butyl Ether	9	U	790	U	910	U	18000	U	9100	U
1,1-Dichloroethane	9	U	790	U	910	U	18000	U	9100	U
cis-1,2-Dichloroethene	9	U	790	U	910	U	18000	U	9100	U
2-Butanone	4	J	790	UJ	150	J	18000	UJ	9100	UJ
Chloroform	9	U	790	U	910	U	18000	U	9100	U
1,1,1-Trichloroethane	9	U	790	U	910	U	18000	U	9100	U
Cyclohexane	5	J	790	U	910	U	18000	U	9100	U
Carbon Tetrachloride	9	U	790	U	910	U	18000	U	9100	U
Benzene	1	J	790	U	910	U	18000	U	9100	U
1,2-Dichloroethane	9	U	790	U	910	U	18000	U	9100	U
Trichloroethene	9	U	840		130	J	18000	U	9100	U
Methylcyclohexane	3	J	790	U	910	U	18000	U	9100	U
1,2-Dichloropropane	9	U	790	U	910	U	18000	U	9100	U
Bromodichloromethane	9	U	790	U	910	U	18000	U	9100	U
cis-1,3-Dichloropropene	9	U	790	U	910	U	18000	U	9100	U
4-Methyl-2-pentanone	9	U	790	U	910	U	18000	U	9100	U
Toluene	1	J	790	U	910	U	18000	U	9100	U
trans-1,3-Dichloropropene	9	U	790	U	910	U	18000	U	9100	U
1,1,2-Trichloroethane	9	U	790	U	910	U	18000	U	9100	U
Tetrachloroethene	9	U	100	J	120000		76000		66000	

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	E0131		E0132		E0134		E0134DL		E0135	
Sampling Location :	X27BD		X22		X41A		X41A		X41B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	05/23/2002		05/23/2002		05/24/2002		05/24/2002		05/24/2002	
Time Sampled :	08:30		12:30		07:30		07:30		10:30	
%Moisture :	11		10		16		16		12	
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	9	U	790	U	910	U	18000	U	9100	U
Dibromochloromethane	9	U	790	U	910	U	18000	U	9100	U
1,2-Dibromoethane	9	U	790	U	910	U	18000	U	9100	U
Chlorobenzene	9	U	790	U	910	U	18000	U	9100	U
Ethylbenzene	9	U	790	U	910	U	18000	U	9100	U
Xylenes (total)	9	U	790	U	910	U	18000	U	9100	U
Styrene	9	U	790	U	910	U	18000	U	9100	U
Bromoform	9	U	790	U	910	U	18000	U	9100	U
Isopropylbenzene	9	U	790	U	910	U	18000	U	9100	U
1,1,2,2-Tetrachloroethane	9	U	790	U	910	U	18000	U	9100	U
1,3-Dichlorobenzene	9	U	790	U	910	U	18000	U	9100	U
1,4-Dichlorobenzene	9	U	790	U	110	J	18000	U	9100	U
1,2-Dichlorobenzene	9	U	790	U	910	U	18000	U	9100	U
1,2-Dibromo-3-chloropropane	9	U	790	U	910	U	18000	U	9100	U
1,2,4-Trichlorobenzene	9	U	790	U	110	J	18000	U	9100	U

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	VBLKJB		VBLKJG		VBLKJX		VBLKJY		VBLKKQ	
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
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	960	U	960	U	10	UJ	10	UJ	10	U
Chloromethane	960	U	960	U	10	U	10	UJ	3	J
Vinyl Chloride	960	U	960	U	10	U	10	UJ	10	U
Bromomethane	960	U	960	UJ	10	U	10	U	10	U
Chloroethane	960	UJ	960	U	10	U	10	U	10	U
Trichlorofluoromethane	960	U	960	U	10	U	10	U	10	U
1,1-Dichloroethene	960	U	960	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	960	U	960	U	10	U	10	U	10	U
Acetone	540	J	960	UJ	6	J	3	J	8	J
Carbon Disulfide	960	U	960	U	10	U	10	U	10	U
Methyl Acetate	960	U	960	U	10	U	10	UJ	10	U
Methylene Chloride	960	U	490	J	15	J	10	U	6	J
trans-1,2-Dichloroethene	960	U	960	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	960	U	960	U	10	U	10	U	10	U
1,1-Dichloroethane	960	U	960	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	960	U	960	U	10	U	10	U	10	U
2-Butanone	960	U	960	UJ	10	U	10	U	10	U
Chloroform	960	U	960	U	10	U	10	U	10	U
1,1,1-Trichloroethane	960	U	960	U	10	U	10	U	10	U
Cyclohexane	960	U	960	U	10	U	10	U	10	U
Carbon Tetrachloride	960	U	960	U	10	U	10	U	10	U
Benzene	960	U	960	U	9	J	10	U	10	U
1,2-Dichloroethane	960	U	960	U	10	U	10	U	10	U
Trichloroethene	960	U	960	U	10	U	10	U	10	U
Methylcyclohexane	960	U	960	U	10	U	10	U	10	U
1,2-Dichloropropane	960	U	960	U	10	U	10	U	10	U
Bromodichloromethane	960	U	960	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	960	U	960	U	10	U	10	U	10	U
4-Methyl-2-pentanone	960	U	960	U	10	U	10	U	10	U
Toluene	960	U	960	U	3	J	10	U	10	U
trans-1,3-Dichloropropene	960	U	960	U	10	U	10	U	10	U
1,1,2-Trichloroethane	960	U	960	U	10	U	10	U	10	U
Tetrachloroethene	960	U	960	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	VBLKJB		VBLKJG		VBLKJX		VBLKJY		VBLKKQ	
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
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	960	U	960	U	10	U	10	U	10	U
Dibromochloromethane	960	U	960	U	10	U	10	U	10	U
1,2-Dibromoethane	960	U	960	U	10	U	10	U	10	U
Chlorobenzene	960	U	960	U	10	U	10	U	10	U
Ethylbenzene	960	U	960	U	10	U	10	U	10	U
Xylenes (total)	960	U	960	U	1	J	10	U	2	J
Styrene	960	U	960	U	10	U	10	U	10	U
Bromoform	960	U	960	U	10	U	10	U	10	U
Isopropylbenzene	960	U	960	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	960	U	960	U	10	U	10	U	10	U
1,3-Dichlorobenzene	960	U	960	U	10	U	10	U	10	U
1,4-Dichlorobenzene	960	U	960	U	10	U	10	U	10	U
1,2-Dichlorobenzene	960	U	960	U	10	U	10	U	2	J
1,2-Dibromo-3-chloropropane	960	U	960	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	960	U	960	U	1	J	10	U	6	J

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	VHBLKKA									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :										
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U								
Chloromethane	10	U								
Vinyl Chloride	10	U								
Bromomethane	10	U								
Chloroethane	10	U								
Trichlorofluoromethane	10	U								
1,1-Dichloroethene	10	U								
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U								
Acetone	10	U								
Carbon Disulfide	10	U								
Methyl Acetate	10	U								
Methylene Chloride	10	UJ								
trans-1,2-Dichloroethene	10	U								
Methyl tert-Butyl Ether	10	U								
1,1-Dichloroethane	10	U								
cis-1,2-Dichloroethene	10	U								
2-Butanone	10	U								
Chloroform	10	U								
1,1,1-Trichloroethane	10	U								
Cyclohexane	10	U								
Carbon Tetrachloride	10	U								
Benzene	10	U								
1,2-Dichloroethane	10	U								
Trichloroethene	10	U								
Methylcyclohexane	10	U								
1,2-Dichloropropane	10	U								
Bromodichloromethane	10	U								
cis-1,3-Dichloropropene	10	U								
4-Methyl-2-pentanone	10	U								
Toluene	10	U								
trans-1,3-Dichloropropene	10	U								
1,1,2-Trichloroethane	10	U								
Tetrachloroethene	10	U								

Analytical Results (Qualified Data)

Case #: 30534 SDG : E0115
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CLAYTN
Reviewer :
Date :

Sample Number :	VHBLKKA									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :										
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10	U								
Dibromochloromethane	10	U								
1,2-Dibromoethane	10	U								
Chlorobenzene	10	U								
Ethylbenzene	10	U								
Xylenes (total)	10	U								
Styrene	10	U								
Bromoform	10	U								
Isopropylbenzene	10	U								
1,1,2,2-Tetrachloroethane	10	U								
1,3-Dichlorobenzene	10	U								
1,4-Dichlorobenzene	10	U								
1,2-Dichlorobenzene	10	U								
1,2-Dibromo-3-chloropropane	10	U								
1,2,4-Trichlorobenzene	10	U								

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 6-19-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELSWORTH INDUSTRIAL PARK (IL)

CASE NUMBER: 30534 SDG NUMBER: E0115

Number and Type of Samples: 13 (SOIL)

Sample Numbers: E0115-21, E0129-32, E0134-35

Laboratory: Clayton Hrs for Review:

Following are our findings:

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

Sample Delivery Group (SDG)
Traffic Report (TR) Cover Sheet

SDG Number E0115

Laboratory Name	Clayton Group Services, Inc.	Laboratory Code	CLAYTN
Contract No.	68-W-99069	Case No.	30534
Analysis Price	$ 539.00	SDG Turnaround	21 Day

EPA Sample Numbers in SDG (Listed in Alpha Numeric Order)

1)	E0115*	7)	E0121	13)	E0135	19)	
2)	E0116	8)	E0129	14)		20)	
3)	E0117	9)	E0130	15)		21)	
4)	E0118*	10)	E0131	16)		22)	
5)	E0119	11)	E0132	17)		23)	
6)	E0120	12)	E0134	18)		24)	

*MS/MSD (E0118 – medium level)

E0115	E0135
First Sample in SDG	Last Sample in SDG
5/21/02	5/28/02
First Sample Receipt Date	Last Sample Receipt Date

SDG closed 5/28/02

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

Signature Laura Coman Date 5/29/02

EPA Contract Laboratory Program
Organic Traffic Report

Case No: 30534
DAS No:
SDG No: E0115

L

Date Shipped: 5/20/02 **Carrier Name:** UPS **Airbill:** 1z6215892210020904 **Shipped to:** Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	**Date Received/Received by:** 5-21-02 Erica Yowes **Lab Contract No:** 68W99069 **Unit Price:** $5[illegible].00 **Transfer To:** **Date Received/Received By:** **Lab Contract No:** **Price:**	**Sampler (Signature):** James M. Salch **Relinquished By:** James M. Salch **Date / Time:** 5/20/02 1745 **Received By:** **Relinquished By:** **Date / Time:** **Received By:** **Relinquished By:** **Date / Time:** 5-21-02 9:41 am **Received By:** Erica Yowes

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0115	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100393, 5-100394, 5-100395 (3)	X18	5/20/02 12:35		
E0116	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100396, 5-100397 (2)	X100	5/20/02 15:00		
E0117	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100398, 5-100399 (2)	X24A	5/20/02 13:30		
E0118	Soil/Sediment/ Jim Salch	L/G	VOA (21)	5-100400 (1)	X24B	5/20/02 14:00		

0003

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** E0115	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:** 2.6°C	**Chain of Custody Seal Number:** 81459
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G		**Custody Seal Intact?** ✓ **Shipment Iced?** ✓

PER_SOL = Percent Solids, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

U.S. EPA Contract Laboratory Program
Organic Traffic Report

Case No: 30534
DAS No:
SDG No: E0115

L

Date Shipped: 5/20/02	Date Received/Received by: 5/21/02 Erica	Sampler (Signature): James M Salch	
Carrier Name: UPS	Lab Contract No: 68W99069 Unit Price: $59.00		
Airbill: 1z6215892210020904		Relinquished By: James M Salch	Date / Time: 5/20/02 1745 — Received By:
Shipped to: Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	Transfer To:	Relinquished By:	Date / Time: — Received By:
	Date Received/Received By:	Relinquished By:	Date / Time: 5-21-02 9:41 — Received By: Erica
	Lab Contract No: Price:		

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0118	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21)	5-100915 (1)	X24B	5/20/02 14:00		

0004

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2.6 °C	Chain of Custody Seal Number: P1459
Analysis Key: PER_SOL = Percent Solids	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

U.S. EPA Contract Laboratory Program
Organic Traffic Report

Case No:	30534
DAS No:	
SDG No:	E0115

L

Date Shipped: 5/21/02	Date Received/Received by: 5-22-02 Erica Yodes	Sampler (Signature): James M. Salch	
Carrier Name: UPS	Lab Contract No: 68W9906 Unit Price: $38.00		
Airbill: 1z6215892210020940		Relinquished By: James M. Salch — Date / Time: 5/21/02 1700	Received By:
Shipped to: Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	Transfer To:	Relinquished By: — Date / Time:	Received By:
	Date Received/Received By:	Relinquished By: — Date / Time: 5-22-02 9:40	Received By: Erica Yodes
	Lab Contract No: Price:		

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0119	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100993, 5-100994 (2)	X25	5/21/02 9:00		
E0120	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100995, 5-100996 (2)	X26A	5/21/02 16:00		
E0121	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100997, 5-100998 (2)	X26B	5/21/02 16:30		

0005

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 0.2°C	Chain of Custody Seal Number: 81460
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

PER_SOL = Percent Solids, VOA = CLP TCL Volatiles

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

Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

EPA Contract Laboratory Program
Organic Traffic Report

Case No: 30534
DAS No:
SDG No: E0115

L

Date Shipped: 5/23/02 **Carrier Name:** UPS **Airbill:** 1Z 621 589 22 1002 093 1 **Shipped to:** Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	**Date Received/Received by:** 5/24/02 Karen Cooper **Lab Contract No:** 68W19069 **Unit Price:** $539.00 **Transfer To:** **Date Received/Received By:** **Lab Contract No:** **Price:**	**Sampler (Signature):** James M. Salch **Relinquished By:** James M. Salch **Date / Time:** 5-23-02 1930 **Received By:** **Relinquished By:** **Date / Time:** **Received By:** **Relinquished By:** **Date / Time:** 5/24/02 9:36AM **Received By:** Karen Cooper

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0129	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100944, 5-100945 (2)	X27A	5/23/02 8:15		
E0130	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100946, 5-100947 (2)	X27B	5/23/02 8:30		
E0131	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100948, 5-100949 (2)	X27BD	5/23/02 8:30		
E0132	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100950, 5-100951 (2)	X22	5/23/02 12:30		

0006

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:** 4.5°C	**Chain of Custody Seal Number:** 81462
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G		**Custody Seal Intact?** Y **Shipment Iced?** Y

PER_SOL = Percent Solids, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

U[illegible]EPA Contract Laboratory Program
Organic Traffic Report

Case No: 30534
DAS No:
SDG No: E0115

L

Date Shipped: 5/24/02 **Carrier Name:** UPS **Airbill:** J136 017 970 9 **Shipped to:** Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	**Date Received/Received by:** 5/28/02 Karen Cooper **Lab Contract No:** 68W99009 **Unit Price:** $534.00 **Transfer To:** **Date Received/Received By:** **Lab Contract No:** **Price:**	**Sampler (Signature):** James M. Salch **Relinquished By:** James M. Salch **Date / Time:** 5-24-02 1500 **Received By:** **Relinquished By:** **Date / Time:** **Received By:** **Relinquished By:** **Date / Time:** 5/28/02 9:30AM **Received By:** Karen Cooper

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0134	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100957, 5-100958 (2)	X41A	5/24/02 7:30		
* E0135	Soil/Sediment/ Jim Salch	L/G	PER_SOL (21), VOA (21)	5-100959, 5-100960 (2)	X41B	5/24/02 10:30		

* Last sample in SDG.
KC 5/29/02

0007

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:** 12.6°C	**Chain of Custody Seal Number:** 81499
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G		**Custody Seal Intact?** Y **Shipment Iced?** Y

PER_SOL = Percent Solids, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

JUN 1 9 2002

SDG NARRATIVE

Lab Name: Clayton Group Services (CLAYTN)

Contract No.: 68-W-99-069

Case No.: 30534

SDG No.: E0115

Clayton Work Order No.: 2050732
DO#: 3
Turnaround Requirements: 21 Day

	EPA Sample Number	Matrix	Analysis
1	E0115 *	Soil	VOA
2	E0116	Soil	VOA
3	E0117	Soil	VOA
4	E0118 *	Soil	VOA
5	E0119	Soil	VOA
6	E0120	Soil	VOA
7	E0121	Soil	VOA
8	E0129	Soil	VOA
9	E0130	Soil	VOA
10	E0131	Soil	VOA
11	E0132	Soil	VOA
12	E0134	Soil	VOA
13	E0135	Soil	VOA

*MS/MSD

Sample Information

Sample E0115 was designated as the MS/MSD for the soil samples.

On May 28, 2002 the laboratory notified Dyncorp that samples E0117, E0118, E0119, E0120 and E0121 required a medium level analysis for VOA. If a MS/MSD was required, the laboratory wanted to use sample E0118 as the QC sample. On May 29, 2002 the Region instructed the laboratory to use sample E0118 as the medium level QC sample.

Shipment Information

Four soil samples for VOA analysis were received on May 21, 2002, under UPS airbill no. 1Z-621-589-22-1002-090-4. All samples were received intact. The temperature of the cooler was 2.6°C.
Note: A percent moisture jar was received that was not on the Traffic Report. The jar was labeled sample E0118/tag 5-100915, but the actual tag 5-100915 was hand-written as sample E0119. (The label on the Encores was typed E0118/tag 5-100400, the sample number on the Traffic Report was E0118/tag 5-100400, but the actual tag 5-100400 had hand-written on it E0119.) Dyncorp was notified on May 22, 2002 about the jar not on the Traffic Report. Then in the shipment of samples that was received on May 22, 2002, the Traffic Report for the percent moisture jar for sample E0118/tag 5-100915 was received. The Region was notified and instructed the laboratory to enter 5/21/02 on the Traffic Report as the date the jar was received.

Three soil samples for VOA analysis were received on May 22, 2002, under UPS airbill no. 1Z-621-589-22-1002-094-0. All samples were received intact. The temperature of the cooler was 0.2°C.

Four soil samples for VOA analysis were received on May 24, 2002, under UPS airbill no. 1Z-621-589-22-1002-093-1. All samples were received intact. The temperature of the cooler was 4.5°C.

Two soil samples for VOA analysis were received on May 28, 2002, under UPS airbill no. J136-017-970-9. All samples were received intact. The temperature of the cooler was 12.6°C.
Note: This cooler was shipped out on May 24, 2002, but the laboratory did not receive it until May 28, 2002. The laboratory notified Dyncorp on May 28, 2002 regarding the temperature of the cooler. The Region instructed the laboratory on May 29, 2002 to proceed with the analysis.

Dyncorp notified the laboratory on May 29, 2002 that Case 30534 is now closed.

Date Recv'd:	Cooler #:	Airbill #:	Sample ID:	Temperature (C):
5/21/02	1	1Z-621-589-22-1002-090-4	E0115 - E0118	2.6
5/22/02	1	1Z-621-589-22-1002-094-0	E0119 - E0121	0.2
5/24/02	1	1Z-621-589-22-1002-093-1	E0129 - E0132	4.5
5/28/02	1	J136-017-970-9	E0134, E0135	12.6

Analytical Information

VOA

Each VOA sample was collected in three Encores. The Encores were prepared following the EPA 5035 method, upon arrival at the laboratory. Two of the Encores were prepared for low-level and the third

Encore was prepared for a medium-level concentration. The EPA 5035 sample weight worksheet, with the date prepared, is included in the Back End.

Samples E0117, E0118, E0118MS, E0118MSD, E0119, E0120 and E0121 were analyzed as medium level samples. Dyncorp was notified on May 28, 2002. The Region instructed the laboratory to proceed with the analysis.

Samples E0129, E0132, E0134 and E0135 were analyzed as medium level samples. Dyncorp was notified on June 3, 2002. The Region instructed the laboratory to proceed with the analysis.

Manual integrations were performed on the following low-level soils: E0115, E0115MS, E0116RE, E0117, VBLKJX.

Manual integrations were performed on the following medium-level soils: E0118MSD.

In sample E0116, the recovery of Chlorobenzene-d5 was under the lower control limit. The sample was re-analyzed. In sample E0116RE, the recovery of Chlorobenzene-d5 was also under the lower control limit.

In samples E0115, E0115MS and E0115MSD, the recovery of Chlorobenzene-d5 was under the lower control limit.

In samples E0115, E0115MS and E0115MSD, the recovery of the surrogate Toluene-d8 was above the upper control limit.

The QC samples E0115MS and E0115MSD had recoveries of the spiked compounds outside of the advisory QC limits. The Relative Percent Differences were also over the advisory limit.

For samples E0130 and E0131: When the first low-level aliquot was analyzed, the instrument malfunctioned. The recoveries of the three internal standards for both samples were very low. The second low-level aliquot for both samples was then analyzed. Although the instrument was performing properly, the percent recovery for Toluene-d8 was above the upper control limit for both samples. Since there were only two Encores prepared for low-level (the third Encore was prepared for medium-level), the results from the second analysis had to be reported for both samples.

Sample E0117 was originally analyzed as a low-level sample. Due to the high concentration of Tetrachloroethene, the sample was then analyzed as a medium level, with a dilution (sample E0117DL).

Sample E0134 was originally analyzed as a medium-level sample. Due to the concentration of Tetrachloroethene exceeding the instrument linear range, it was then analyzed at a further dilution (sample E0134DL).

GC Columns

Instrument ID	Column Serial #	Brand Name	Internal Diameter (mm)	Length (Meters)	Coating Material	Film Thickness (µm)
VOA						
MS-HP10J	221930	Restek	0.25	60	DB-624	1.4
MS-HP11K	451951	Restek	0.25	60	RTX-624	1.4

VOA Traps

Trap Name	Packing Material/ Brand Name	Composition	Amount/Length (cm)
Supelco Purge & Trap K	Supelco	Carbopak B	10 cm
Vocarb 3000		Carboxen 1000	6 cm
		Carboxen 1001	1 cm

Lab Name: Clayton Group Services (CLAYTN) Contract No.: 68-W-99-069

Case No.: 30534 SDG No.: E0115 Clayton Work Order No.: 2050732

Tentatively Identified Alkanes of Volatiles Analysis

EPA Sample No.	n-Alkane (ug/Kg)	Branched Alkane (ug/Kg)	Cyclic Alkane (ug/Kg)
E0115	64	88	34
E0115MS			
E0115MSD			
E0116	0	0	0
E0116RE	0	0	0
E0117	140	120	14
E0117DL	0	0	0
E0118	0	0	0
E0118MS			
E0118MSD			
E0119	0	0	0
E0120	7300	8300	2300
E0121	0	0	0
E0129	0	0	0
E0130	77	31	0
E0131	27	33	0
E0132	0	0	0
E0134	0	0	0
E0134DL	0	0	0
E0135	0	0	0
VBLKJB	0	0	0
VBLKJG	0	0	0
VBLKJX	0	0	0
VBLKJY	0	0	0
VBLKKQ	0	0	0
VHBLKKA	0	0	0
VIBLKJA	0	0	0

Lab Name: Clayton Group Services (CLAYTN) Contract No.: 68-W-99-069

Case No.: 30534 SDG No.: E0115 Clayton Work Order No.: 2050732

Technical/Administrative Problems and Corrective Actions

For the VOA analysis, the Hewlett-Packard software flags all manual edits or any compounds affected by the manual edit of an internal standard with an "m" on the reports. The peak is displayed with the baseline of the manual edits and is documented along with the associated "m" flag on the quant report and spectra report. These edits were necessary due to poor computer integration.

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.

Tim Fields Date 6-18-02

Tim Fields
Organic Laboratory Manager

From: "Brown, Jessica" <Jessica.Brown@dyncorp.com>
To: "Karen Coonan (E-mail)" <Kcoonan@claytongrp.com>
Date: Wed, May 22, 2002 2:00 PM
Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC discrepancy - sample level | FINAL

Hi Karen,

Per Region 5, please proceed with entering 5/21/02 as the date the jar for the percent moisture for sample E0118 is received (tag# 5-100915).

Thanks,
Jessica

-----Original Message-----
From: Moore.Cecilia@epamail.epa.gov [mailto:Moore.Cecilia@epamail.epa.gov]
Sent: Wednesday, May 22, 2002 1:49 PM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC discrepancy - sample level

Yes, have the lab list the date the sample was received, not the tag number.

Cecilia

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 22, 2002 1:44 PM
To: Cecilia More (E-mail)
Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC discrepancy - sample level

Hi Cecilia,

Earlier today I sent an e-mail concerning sample E0118, Case 30534. The tag number for the percent moisture jar was not listed on the TR/COC received 5/21/02. However, the TR/COC received today, 5/22/02, listed the tag number for the percent moisture jar for sample E0118. Should the lab proceed with entering 5/21/02 as the date the jar is received even though it was on the TR/COC received today?

Please advise.

Thanks,
Jessica

-----Original Message-----
From: Karen Coonan [mailto:KCoonan@claytongrp.com]
Sent: Wednesday, May 22, 2002 12:30 PM
To: Brown, Jessica
Subject: Re: FW: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC discrepancy - sample level | FINAL

Yes it was. Even though we received the Traffic Report today, should we put 5/21/02 in the date received box since that is when the jar arrived?

Karen Coonan
Clayton Group Services
CLP Project Manager
(248) 344-2671
kcoonan@claytongrp.com

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 22, 2002 12:31 PM
To: Karen Coonan (E-mail)
Subject: FW: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC discrepancy - sample level | FINAL

Was the tag number listed on the TR you received today?

-----Original Message-----
From: Karen Coonan [mailto:KCoonan@claytongrp.com]
Sent: Wednesday, May 22, 2002 12:19 PM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC discrepancy - sample level | FINAL

Hi Heather,

I just wanted to let you know we received in today's shipment the Traffic Report for the tag number listed below.

Karen

>>> "Brown, Jessica" <Jessica.Brown@dyncorp.com> 05/22 11:31 AM >>>
Hi Karen,

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

Thank you,
Jessica

-----Original Message-----
From: Karen Coonan [mailto:KCoonan@claytongrp.com]
Sent: Wednesday, May 22, 2002 10:00 AM
To: Brown, Jessica
Subject: Case 30534 SDG E0115

Hi Jessica,

Case 30534, SDG E0115:

For the samples that the laboratory received on 5/21/02, there was one tag number that was not listed on the Traffic Report. For sample E0118,
a jar was received for the percent moisture. The tag number for the percent moisture jar is 5-100915.

Thank you,

Karen Coonan
Clayton Group Services
CLP Project Manager
(248) 344-2671
kcoonan@claytongrp.com

CC: "Cecilia More (E-mail)" <moore.cecilia@epa.gov>, "...

From: "Brown, Jessica" <Jessica.Brown@dyncorp.com>
To: "Erica Yates (E-mail)" <eyates@claytongrp.com>
Date: Wed, May 29, 2002 9:05 AM
Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue Preservative | FINAL

Hi Erica,

Per Region 5, please note the temperature discrepancy in the SDG Narrative and proceed with the analysis of the samples received under Case 30534, SDG E0115.

Thanks,
Jessica

-----Original Message-----
From: Pham.Howard@epamail.epa.gov [mailto:Pham.Howard@epamail.epa.gov]
Sent: Tuesday, May 28, 2002 5:17 PM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue Preservative

HI Jessica,

Please ask the lab procced the analyses as Mark's resolution with a note in the case narrative.

Thanks,

Howard Pham

4:44PM 5/28/02
Jessica Brown, SMO, left a voice-mail message for Howard Pham, USEPA Region 5 RSCC, concerning Case 30534.

> -----Original Message-----
> From: Brown, Jessica
> Sent: Tuesday, May 28, 2002 3:06 PM
> To: Howard Pham (E-mail)
> Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue
> Preservative
>
> Hi Howard,
>
> Per Mark Wagner, IL-EPA, CLAYTN should note the temperature issue in the
> SDG Narrative and proceed with the analysis of the sample received under
> Case 30534. Please advise on how the lab should proceed.
>
> Thanks,
> Jessica
>
> 2:58PM 5/28/02
> Jessica Brown, SMO, spoke with Mark Wagner, IL-EPA, concerning Case 30534.
> CLAYTN should note the temperature issue in the SDG Narrative and proceed
> with the analysis of the sample received under Case 30534.
>

> -----Original Message-----
> From: Brown, Jessica
> Sent: Tuesday, May 28, 2002 11:16 AM
> To: Bob Casper (E-mail); Mark Wagner (E-mail 2)
> Cc: Howard Pham (E-mail)
> Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue
> Preservative
>
> Per CLAYTN, the cooler for Case 30534, SDG E0115, was received today,
> 5/28/02, at 12.6 degrees C. Please advise on how the lab should proceed
> as quickly as possible.
>
> Thanks,
> Jessica
>
> Record of Communication
>
> 10:52AM 5/28/02
> Jessica Brown, SMO, received a voice-mail message from Erica Yates,
> CLAYTN, concerning Case 30534, SDG E0115. The cooer was received today at
> 12.6 degrees C. The temperature was taken upon receipt of the cooler with
> an IR Gun. The cooler was packed with ice packs that were no longer
> frozen. Please advise on how the lab should proceed.
>
> Jessica Brown
> DynCorp Systems & Solutions LLC
> CLP Coordinator for Regions 4, 5, & 8
> jessica.brown@dyncorp.com
> Ph: 703.264.9349; Fax: 703.264.9222
>
>
>

CC: "Howard Pham (E-mail)" <pham.howard@epa.gov>, "Mar...

From: Karen Coonan
To: "Jessica.Brown@dyncorp.com"@CGS_Inet.GWIA6
Date: Wed, May 29, 2002 11:49 AM
Subject: Re: RE: Region 05 | Case 30534 | Issue Undershipment

Hi Jessica,

You can wait to send the SNF when you have the information from the samplers. I was more concerned about whether the case is complete, so that we can close the SDG and therefore, we know what the due date will be.

Thanks for checking,

Karen Coonan
Clayton Group Services
CLP Project Manager
(248) 344-2671
kcoonan@claytongrp.com

>>> "Brown, Jessica" <Jessica.Brown@dyncorp.com> 05/29 11:46 AM >>>
Hi Karen,

The Case is complete - I will send you a Record of Communication with Regional input for your files. I did not send a SNF for 5/24 b/c I received the shipping info from Erica Yates, not the sampler - I could send one w/the information I received from her if you would like.

-----Original Message-----
From: Karen Coonan [mailto:KCoonan@claytongrp.com]
Sent: Wednesday, May 29, 2002 11:30 AM
To: Brown, Jessica; Scheduling, STR NE
Subject: Re: Region 05 | Case 30534 | Issue Undershipment

Does this mean this case is now closed? The Traffic Report indicates it is still open.

Also, we have not received a shipping notification form for the samples shipped on 5/24/02.

Please let me know as soon as possible if we need to close this case/SDG.

Thank you,
>>> "Scheduling, STR NE" <STR.Scheduling@dyncorp.com> 05/29 10:58 AM >>>
Per Mark Wagner, IL-EPA, Case 30534 undershipped because the requestor projected more samples to be collected than actually collected.

Karen Coonan
Clayton Group Services

CLP Project Manager
(248) 344-2671
kcoonan@claytongrp.com

From: "Brown, Jessica" <Jessica.Brown@dyncorp.com>
To: "Karen Coonan (E-mail)" <Kcoonan@claytongrp.com>
Date: Tue, Jun 4, 2002 9:25 AM
Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue Laboratory problems | FINAL

Hi Karen,

Per Region 5, please proceed with performing medium-level analysis on samples E0129, E0132, E0134 and E0135, Case 30534, and note the issue in the SDG Narrative.

Thanks,
Jessica

-----Original Message-----
From: Pham.Howard@epamail.epa.gov [mailto:Pham.Howard@epamail.epa.gov]
Sent: Monday, June 03, 2002 5:22 PM
To: Brown, Jessica
Subject: Re: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue

Hi Jessica,

Please ask the lab proceed the analyses at the medium levels as needed and made a note in the case narrtive.

Thanks,

Howard Pham

-----Original Message-----
From: Brown, Jessica
Sent: Monday, June 03, 2002 5:02 PM
To: Howard Pham (E-mail)
Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue

Following is an e-mail from CLAYTN concerning Case 30534. Please advise on how the lab should proceed.

Thanks,
Jessica

-----Original Message-----
From: Karen Coonan [mailto:KCoonan@claytongrp.com]
Sent: Monday, June 03, 2002 3:58 PM
To: Erica Yates; Brown, Jessica
Subject: Re: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC discrepancy - laboratory QC | FINAL

Hi Jessica,

There are a few more samples in case 30534 SDG E0115 that require a VOA medium level analysis. The samples are E0129, E0132, E0134 and E0135.

Thank you,

Karen Coonan
Clayton Group Services
CLP Project Manager
(248) 344-2671
kcoonan@claytongrp.com

>>> "Brown, Jessica" <Jessica.Brown@dyncorp.com> 05/29 3:59 PM >>>
Per Region 5, please proceed with analyzing sample E0118 as the medium level
QC for SDG E0115, Case 30534.

Thanks,
Jessica

3:45PM 5/29/02
Jessica Brown, SMO, spoke with Howard Pham, USEPA Region 5 RSCC, concerning
lab QC for the medium level SDG for Case 30534. Howard said that CLAYTN may
proceed with selecting sample E0118 as the medium level QC for SDG E0115.

-----Original Message-----
From: Karen Coonan [mailto:KCoonan@claytongrp.com]
Sent: Wednesday, May 29, 2002 3:07 PM
To: Erica Yates; Brown, Jessica
Subject: Re: Region V, Case 30534, SDG E0115

Hi Jessica,

Is there any answer on this yet?

Thanks,

Karen Coonan
Clayton Group Services
CLP Project Manager
(248) 344-2671
kcoonan@claytongrp.com

-----Original Message-----
From: Brown, Jessica
Sent: Wednesday, May 29, 2002 9:17 AM
To: Mark Wagner (E-mail 2)
Cc: Howard Pham (E-mail)
Subject: Region 05 | Case 30534 | Lab CLAYTN | SDG E0115 | Issue TR/COC
discrepancy - laboratory QC

The following is an e-mail from CLAYTN concerning medium-level QC for Case

30534. Please advise on how the lab should proceed as quickly as possible.

Thanks,
Jessica

-----Original Message-----
From: Erica Yates [mailto:EYates@claytongrp.com]
Sent: Tuesday, May 28, 2002 5:13 PM
To: Brown, Jessica
Cc: KCoonan@claytongrp.com
Subject: Region V, Case 30534, SDG E0115

Hi Jessica;

Samples E0117, E0118, E0119, E0120, and E0121 all required medium level
for the VOA fractions. The lab would like to use sample E0118 as the medium level MS/MSD.

Please let me know if this is ok.

Thank you,

Erica Yates
Clayton Group Services
CLP DCO/Data Analyst
(248) 344-1770 ext. 1782
eyates@claytongrp.com

CC: "Howard Pham (E-mail)" <pham.howard@epa.gov>, "Bob...

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKJX	102	100	100		0
02	E0115	151 *	73	87		1
03	E0115MS	149 *	76	87		1
04	E0115MSD	147 *	76	91		1
05	E0116	127	71	98		0
06	E0117	129	73	102		0
07	VBLKJY	98	100	100		0
08	E0116RE	111	87	100		0
09	VBLKKQ	110	104	100		0
10	E0130	140 *	88	88		1
11	E0131	140 *	84	93		1
12	VHBLKKA	110	104	106		0

			QC Limit
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: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Level:(low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKJB	95	**98**	105		0
02	E0117DL	95	**75**	114		0
03	E0118	98	**104**	115		0
04	E0119	100	**106**	115		0
05	E0120	96	**108**	114		0
06	E0121	96	**104**	102		0
07	E0118MS	96	**104**	98		0
08	E0118MSD	94	**104**	100		0
09	VBLKJG	92	**98**	94		0
10	E0134	96	**96**	102		0
11	VIBLKJA	100	**90**	102		0
12	E0129	96	**94**	108		0
13	E0132	98	**95**	105		0
14	E0134DL	100	**90**	102		0
15	E0135	102	**91**	104		0

			QC Limit
SMC 1	(TOL)	= Toluene-d8	(84-138)
SMC 2	(BFB)	= Bromofluorobenzene	(59-113)
SMC 3	(DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix Spike - EPA Sample No.: E0115 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	45	0	4	9*	59-172
Trichloroethene	45	0	3	7*	62-137
Benzene	45	3	16	29*	66-142
Toluene	45	6	17	24*	59-139
Chlorobenzene	45	0	5	11*	60-133

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	45	60	133	175*	22	59-172
Trichloroethene	45	61	136	180*	24	62-137
Benzene	45	73	156*	137*	21	66-142
Toluene	45	120	253*	165*	21	59-139
Chlorobenzene	45	88	196*	179*	21	60-133

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

* Values outside of QC limits

RPD: 5 out of 5 outside limits

Spike Recovery: 8 out of 10 outside limits

COMMENTS: _____

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix Spike - EPA Sample No.: E0118 Level:(low/med) MED

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	4800	0	4900	102	59-172
Trichloroethene	4800	490	3500	63	62-137
Benzene	4800	0	4700	98	66-142
Toluene	4800	0	4600	96	59-139
Chlorobenzene	4800	0	4800	100	60-133

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	4800	4900	102	0	22	59-172
Trichloroethene	4800	4200	77	20	24	62-137
Benzene	4800	4700	98	0	21	66-142
Toluene	4800	4500	94	2	21	59-139
Chlorobenzene	4800	4700	98	2	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

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKJB

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Lab File ID: J7841.D Lab Sample ID: 02050732-006C

Date Analyzed: 05/28/02 Time Analyzed: 13:04

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS_HP10J

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0117DL	02050732-003A	J7843.D	14:20
02	E0118	02050732-004A	J7844.D	14:59
03	E0119	02050732-007A	J7845.D	15:37
04	E0120	02050732-008A	J7846.D	16:16
05	E0121	02050732-009A	J7847.D	16:54
06	E0118MS	02050732-004B	J7848.D	17:32
07	E0118MSD	02050732-004C	J7849.D	18:11

COMMENTS:

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKJG

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Lab File ID: J7924.D Lab Sample ID: 02050732-006D

Date Analyzed: 05/31/02 Time Analyzed: 19:02

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MS_HP10J

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0134	02050732-014A	J7928.D	21:39
02	VIBLKJA	02050732-016A	J7930.D	22:55
03	E0129	02050732-010A	J7931.D	23:33
04	E0132	02050732-013A	J7932.D	00:10
05	E0134DL	02050732-014A	J7933.D	00:47
06	E0135	02050732-015A	J7935.D	02:02

COMMENTS:

page 1 of 1

FORM IV VOA OLM04.2

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKJX

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Lab File ID: J7799.D Lab Sample ID: 02050732-006A

Date Analyzed: 05/22/02 Time Analyzed: 18:22

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS_HP10J

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0115	02050732-001A	J7800.D	19:09
02	E0115MS	02050732-001B	J7801.D	19:57
03	E0115MSD	02050732-001C	J7802.D	20:33
04	E0116	02050732-002A	J7803.D	21:24
05	E0117	02050732-003A	J7804.D	22:01

COMMENTS: _____

_____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKJY

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Lab File ID: J7811.D Lab Sample ID: 02050732-006B

Date Analyzed: 05/23/02 Time Analyzed: 09:32

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS_HP10J

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0116RE	02050732-002A	J7812.D	10:29

COMMENTS:

page 1 of 1

FORM IV VOA OLM04.2

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKKQ

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Lab File ID: K6320.D Lab Sample ID: 02050732-006E

Date Analyzed: 06/01/02 Time Analyzed: 02:13 06-13-02 12

GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MS_HP11K

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0130	02050732-011A	K6321.D	02:47
02	E0131	02050732-012A	K6322.D	03:20
03	VHBLKKA	02050732-005A	K6323.D	03:54

06-13-02 12

COMMENTS:

page 1 of 1

FORM IV VOA OLM04.2

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0115

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-001A

Sample wt/vol: 6.53 (g/mL) G Lab File ID: J7800.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 14 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	13	B U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	9 ~~10~~ ~~2~~	BJ 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	6	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	9 ~~2~~	BJ U
107-06-2	1,2-Dichloroethane	10	U

ACPA 6 26 02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0115

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-001A

Sample wt/vol: 6.53 (g/mL) G Lab File ID: J7800.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 14 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	7	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	9 ~~8~~	BJ 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	2	J
1330-20-7	Xylene (total)	9 ~~4~~	BJ 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

acpt 6.26

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0115

ab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-001A

Sample wt/vol: 6.53 (g/mL) G Lab File ID: J7800.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 14 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 6 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (4.41)	4.41	68	J
2.	unknown (5.46)	5.46	22	BJ
3. 000075-18-3	Methane, thiobis-	7.85	12	NJ
4.	unknown (16.48)	16.48	16	J
5. 000556-67-2	Cyclotetrasiloxane, octamethyl-	20.59	21	BNJ
6.	unknown (23.46)	23.46	14	BJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0115MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-001B

Sample wt/vol: 6.49 (g/mL) G Lab File ID: J7801.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 14 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	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	4	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	16	B u
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	9 ~~2~~	BJ 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	7	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	16	B u
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0115MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-001B

Sample wt/vol: 6.49 (g/mL) G Lab File ID: J7801.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 14 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	3	J
108-87-2	Methylcyclohexane	8	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	17	B µ
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	5	J
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (total)	9	BJ µ
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

acA 6-26-02

acA 6-26-02

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0115MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-001C

Sample wt/vol: 6.38 (g/mL) G Lab File ID: J7802.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 14 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	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	60	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	18	B u
75-15-0	Carbon Disulfide	1	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	9 ~~2~~	BJ 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	7	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	73	B
107-06-2	1,2-Dichloroethane	10	U

ACH 6.26.02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0115MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-001C

Sample wt/vol: 6.38 (g/mL) G Lab File ID: J7802.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 14 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	61	
108-87-2	Methylcyclohexane	7	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	120	B
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	88	
100-41-4	Ethylbenzene	2	J
1330-20-7	Xylene (total)	9 ~~4~~	BJ 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

ACH 6.26.02

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0116

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-002A

Sample wt/vol: 5.26 (g/mL) G Lab File ID: J7803.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 23 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	4	J
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	40	B U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12 ~~3~~	BJ µ
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	57	
78-93-3	2-Butanone	6	J
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

ACH 6/26

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0116

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-002A

Sample wt/vol: 5.26 (g/mL) G Lab File ID: J7803.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 23 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg)

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	230	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	12 ~~2~~	BJ µ
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	72	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	3	J
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

acH 6-26-0

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0116

ab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-002A

Sample wt/vol: 5.26 (g/mL) G Lab File ID: J7803.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 23 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (4.39)	4.39	9	J
2.	unknown (5.47)	5.47	29	BJ µ
3.	unknown (6.6)	6.60	15	J
4.	unknown (16.46)	16.46	8	J
5.	unknown (17.75)	17.75	6	J
6. 000556-67-2	Cyclotetrasiloxane, octamethyl-	20.59	15	BNJ µ
7.	unknown (23.46)	23.46	10	BJ µ

ACK 6-26-02

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0116RE

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-002A

Sample wt/vol: 5.24 (g/mL) G Lab File ID: J7812.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 23 Date Analyzed: 05/23/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (μg/L or μg/Kg) UG/KG

CAS NO.	COMPOUND	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	150	B
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	3	J
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	31	
78-93-3	2-Butanone	7	J
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	11	J
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0116RE

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-002A

Sample wt/vol: 5.24 (g/mL) G Lab File ID: J7812.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 23 Date Analyzed: 05/23/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	26	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	4	J
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0116RE

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-002A

Sample wt/vol: 5.24 (g/mL) G Lab File ID: J7812.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 23 Date Analyzed: 05/23/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 8 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (4.39)	4.39	8	J
2.		unknown (5.06)	5.06	10	J
3.		unknown (5.48)	5.48	25	J
4.		unknown (6.61)	6.61	7	J
5.	000541-05-9	Cyclotrisiloxane, hexamethyl-	16.49	59	BNJ
6.		unknown (17.75)	17.75	7	J
7.	000556-67-2	Cyclotetrasiloxane, octamethyl-	20.59	19	BNJ
8.		unknown (23.46)	23.46	21	BJ

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0117

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: C2050732-003A

Sample wt/vol: 6.19 (g/mL) G Lab File ID: J7804.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 10 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	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	11	B u
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	9 ~~1~~	BJ 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	1	J
78-93-3	2-Butanone	3	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	4	J
110-82-7	Cyclohexane	6	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	12	B u
107-06-2	1,2-Dichloroethane	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0117

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-003A

Sample wt/vol: 6.19 (g/mL) G Lab File ID: J7804.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 10 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	970	E
108-87-2	Methylcyclohexane	7	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	16	B u
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	6	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	4	J
1330-20-7	Xylene (total)	7	BJ
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0117

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-003A

Sample wt/vol: 6.19 (g/mL) G Lab File ID: J7804.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 10 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 4 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-07-0	Acetaldehyde	5.46	24	NJ
2.	000541-05-9	Cyclotrisiloxane, hexamethyl-	16.47	12	BNJ
3.	000556-67-2	Cyclotetrasiloxane, octamethyl-	20.59	14	BNJ
4.		unknown (23.46)	23.46	13	BJ

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0117DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-003A

Sample wt/vol: 6.33 (g/mL) G Lab File ID: J7843.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 10 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (μL) Soil Aliquot Volume 100 (μL)

CONCENTRATION UNITS: (μg/L or μg/Kg)

CAS NO.	COMPOUND	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 ~~530~~	DBJ U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300 ~~90~~	B ~~U~~ JU
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	210	DJ
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0117DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-003A

Sample wt/vol: 6.33 (g/mL) G Lab File ID: J7843.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 10 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	1100	DJ
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0117DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-003A

Sample wt/vol: 6.33 (g/mL) G Lab File ID: J7843.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 10 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 2

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-07-0	Acetaldehyde	5.42	900	NJ
2.	unknown	8.11	790	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0118

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-004A

Sample wt/vol: 6.18 (g/mL) G Lab File ID: J7844.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (μL) Soil Aliquot Volume 100 (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/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 ~~590~~	BJ U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300 ~~110~~	B ~~U~~ JU
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	220	J
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0118

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-004A

Sample wt/vol: 6.18 (g/mL) G Lab File ID: J7844.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	490	J
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0118

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-004A

Sample wt/vol: 6.18 (g/mL) G Lab File ID: J7844.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 2 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (5.42)	5.42	1100	J
2.	unknown (8.1)	8.10	890	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0118MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-004B

Sample wt/vol: 6.18 (g/mL) G Lab File ID: J7848.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	4900	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300 ~~200~~	BJU
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
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	180	J
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	4700	
107-06-2	1,2-Dichloroethane	1300	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0118MS

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-004B

Sample wt/vol: 6.18 (g/mL) G Lab File ID: J7848.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	3500	
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	4600	
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	4800	
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0118MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-004C

Sample wt/vol: 6.18 (g/mL) G Lab File ID: J7849.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (μL) Soil Aliquot Volume 100 (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	960	U
74-87-3	Chloromethane	960	U
75-01-4	Vinyl Chloride	960	U
74-83-9	Bromomethane	960	U
75-00-3	Chloroethane	960	U
75-69-4	Trichlorofluoromethane	960	U
75-35-4	1,1-Dichloroethene	4900	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	960	U
67-64-1	Acetone	960 ~~150~~	BJ U
75-15-0	Carbon Disulfide	960	U
79-20-9	Methyl Acetate	960	U
75-09-2	Methylene Chloride	960	U
156-60-5	trans-1,2-Dichloroethene	960	U
1634-04-4	Methyl tert-Butyl Ether	960	U
75-34-3	1,1-Dichloroethane	960	U
156-59-2	cis-1,2-Dichloroethene	960	U
78-93-3	2-Butanone	170	J
67-66-3	Chloroform	960	U
71-55-6	1,1,1-Trichloroethane	960	U
110-82-7	Cyclohexane	960	U
56-23-5	Carbon Tetrachloride	960	U
71-43-2	Benzene	4700	
107-06-2	1,2-Dichloroethane	960	U

acH 6.26.02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0118MSD

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-004C

Sample wt/vol: 6.18 (g/mL) G Lab File ID: J7849.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	4200	
108-87-2	Methylcyclohexane	960	U
78-87-5	1,2-Dichloropropane	960	U
75-27-4	Bromodichloromethane	960	U
10061-01-5	cis-1,3-Dichloropropene	960	U
108-10-1	4-Methyl-2-pentanone	960	U
108-88-3	Toluene	4500	
10061-02-6	trans-1,3-Dichloropropene	960	U
79-00-5	1,1,2-Trichloroethane	960	U
127-18-4	Tetrachloroethene	960	U
591-78-6	2-Hexanone	960	U
124-48-1	Dibromochloromethane	960	U
106-93-4	1,2-Dibromoethane	960	U
108-90-7	Chlorobenzene	4700	
100-41-4	Ethylbenzene	960	U
1330-20-7	Xylene (total)	960	U
100-42-5	Styrene	960	U
75-25-2	Bromoform	960	U
98-82-8	Isopropylbenzene	960	U
79-34-5	1,1,2,2-Tetrachloroethane	960	U
541-73-1	1,3-Dichlorobenzene	960	U
106-46-7	1,4-Dichlorobenzene	960	U
95-50-1	1,2-Dichlorobenzene	960	U
96-12-8	1,2-Dibromo-3-chloropropane	960	U
120-82-1	1,2,4-Trichlorobenzene	960	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0119

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-007A

Sample wt/vol: 6.23 (g/mL) G Lab File ID: J7845.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND (µg/L or µg/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 ~~600~~	BJ u
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300 ~~95~~	B ~~U~~ JK
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	220	J
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	620	J
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

acH 6-26-0

acH 6-25

acH 6-26

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0119

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-007A

Sample wt/vol: 6.23 (g/mL) G Lab File ID: J7845.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (μL) Soil Aliquot Volume 100 (μL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (μg/L or μg/Kg) UG/KG	Q
79-01-6	Trichloroethene	10000	
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	580	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.

E0119

b Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-007A

Sample wt/vol: 6.23 (g/mL) G Lab File ID: J7845.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (5.42)	5.42	980	J
2.	unknown (6.2)	6.20	710	J
3.	unknown (8.1)	8.10	860	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0120

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-008A

Sample wt/vol: 6.05 (g/mL) G Lab File ID: J7846.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 15 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg)

CAS NO.	COMPOUND	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 ~~290~~	BJ U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
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	240	J
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.

E0120

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-008A

Sample wt/vol: 6.05 (g/mL) G Lab File ID: J7846.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 15 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	1000	J
108-87-2	Methylcyclohexane	310	J
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.

E0120

ab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-008A

Sample wt/vol: 6.05 (g/mL) G Lab File ID: J7846.D

Level: (low/med) MED Date Received: 05/22/02

Moisture: not dec. 15 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 6 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-07-0	Acetaldehyde	5.42	990	NJ
2.	unknown (5.9)	5.90	2400	J
3.	unknown (8.1)	8.10	850	J
4.	unknown (17.85)	17.85	520	J
5.	unknown (20.04)	20.04	810	J
6.	unknown (24.04)	24.04	520	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0121

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-009A

Sample wt/vol: 6.32 (g/mL) G Lab File ID: J7847.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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 ~~240~~	BJ
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
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	170	J
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

acA 6-26-0

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0121

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-009A

Sample wt/vol: 6.32 (g/mL) G Lab File ID: J7847.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (μL) Soil Aliquot Volume 100 (μL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (μg/L or μg/Kg) UG/KG	Q
79-01-6	Trichloroethene	990	J
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	400	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.

E0121

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-009A

Sample wt/vol: 6.32 (g/mL) G Lab File ID: J7847.D

Level: (low/med) MED Date Received: 05/22/02

% Moisture: not dec. 16 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (5.42)	5.42	800	J
2.	unknown (6.21)	6.21	2000	J
3.	unknown (8.12)	8.12	830	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0129

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-010A

Sample wt/vol: 5.83 (g/mL) G Lab File ID: J7931.D

Level: (low/med) MED Date Received: 05/24/02

% Moisture: not dec. 14 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	120	~~U~~ J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300 ~~160~~	BJ U
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	110	~~U~~ J
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

acH 6 20

acH 6

acH 6.25

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0129

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-010A

Sample wt/vol: 5.83 (g/mL) G Lab File ID: J7931.D

Level: (low/med) MED Date Received: 05/24/02

% Moisture: not dec. 14 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	4100	
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.

E0129

ab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-010A

Sample wt/vol: 5.83 (g/mL) G Lab File ID: J7931.D

Level: (low/med) MED Date Received: 05/24/02

% Moisture: not dec. 14 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 2 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-07-0	Acetaldehyde	5.42	2000	BNJ
2.	Unknown (8.09)	8.09	610	BJ

FORM I VOA-TIC OLM04.2

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0130

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-011A

Sample wt/vol: 6.86 (g/mL) G Lab File ID: K6321.D

Level: (low/med) LOW Date Received: 05/24/02

% Moisture: not dec. 9 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	8 ~~2~~	BJ µ
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	B µ
75-15-0	Carbon Disulfide	~~10~~ 1	~~U~~ J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	11	B µ
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	4	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U

act 6-26-02

act 6-26

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0130

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-011A

Sample wt/vol: 6.86 (g/mL) G Lab File ID: K6321.D

Level: (low/med) LOW Date Received: 05/24/02

% Moisture: not dec. 9 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	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	8 ~~5~~	BJ u

acf 6-26-02

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0130

ab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-011A

Sample wt/vol: 6.86 (g/mL) G Lab File ID: K6321.D

Level: (low/med) LOW Date Received: 05/24/02

% Moisture: not dec. 9 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (18.6)	18.61	24	BJ

FORM I VOA-TIC

OLM04.2

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0131

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-012A

Sample wt/vol: 6.29 (g/mL) G Lab File ID: K6322.D

Level: (low/med) LOW Date Received: 05/24/02

% Moisture: not dec. 11 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	9 ~~2~~	BJ 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	B u
75-15-0	Carbon Disulfide	1	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	14	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	4	J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	5	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0131

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-012A

Sample wt/vol: 6.29 (g/mL) G Lab File ID: K6322.D

Level: (low/med) LOW Date Received: 05/24/02

% Moisture: not dec. 11 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	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	9	BJ

ACA 6-26-02

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0131

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-012A

Sample wt/vol: 6.29 (g/mL) G Lab File ID: K6322.D

Level: (low/med) LOW Date Received: 05/24/02

% Moisture: not dec. 11 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown	3.84	60	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0132

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-013A

Sample wt/vol: 6.76 (g/mL) G Lab File ID: J7932.D

Level: (low/med) MED Date Received: 05/24/02

% Moisture: not dec. 10 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	100	~~U~~ 3
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
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

ACH 6-25

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0132

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-013A

Sample wt/vol: 6.76 (g/mL) G Lab File ID: J7932.D

Level: (low/med) MED Date Received: 05/24/02

% Moisture: not dec. 10 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	840	J
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	100	~~U~~ 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

ACH 6.25.02

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0132

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-013A

Sample wt/vol: 6.76 (g/mL) G Lab File ID: J7932.D

Level: (low/med) MED Date Received: 05/24/02

% Moisture: not dec. 10 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 2 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-07-0	Acetaldehyde	5.42	1700	BNJ
2.	Unknown (8.08)	8.08	530	BJ

ACH 6-26-02

FORM I VOA-TIC OLM04.2

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0134

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-014A

Sample wt/vol: 6.30 (g/mL) G Lab File ID: J7928.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 16 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	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	120	~~U~~ J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300 ~~150~~	BJ µ
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	150	J
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

GCH 6-25-02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0134

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-014A

Sample wt/vol: 6.30 (g/mL) G Lab File ID: J7928.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 16 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
79-01-6	Trichloroethene	130	J
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	120000	E
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	110	~~U~~ J
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	110	~~U~~ J

ACH 6-25-0

ACH 6-25

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0134

ab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-014A

Sample wt/vol: 6.30 (g/mL) G Lab File ID: J7928.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 16 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-07-0	Acetaldehyde	5.42	1100	BNJ
2.		Unknown (5.9)	5.90	2200	J
3.		Unknown (8.08)	8.08	810	BJ

ACH 6/26/02

FORM I VOA-TIC OLM04.2

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0134DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-014A

Sample wt/vol: 6.30 (g/mL) G Lab File ID: J7933.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 16 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 5 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	19000	U
74-87-3	Chloromethane	19000	U
75-01-4	Vinyl Chloride	19000	U
74-83-9	Bromomethane	19000	U
75-00-3	Chloroethane	19000	U
75-69-4	Trichlorofluoromethane	19000	U
75-35-4	1,1-Dichloroethene	19000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19000	U
67-64-1	Acetone	1900	J
75-15-0	Carbon Disulfide	19000	U
79-20-9	Methyl Acetate	19000	U
75-09-2	Methylene Chloride	19000	U
156-60-5	trans-1,2-Dichloroethene	19000	U
1634-04-4	Methyl tert-Butyl Ether	19000	U
75-34-3	1,1-Dichloroethane	19000	U
156-59-2	cis-1,2-Dichloroethene	19000	U
78-93-3	2-Butanone	19000	U
67-66-3	Chloroform	19000	U
71-55-6	1,1,1-Trichloroethane	19000	U
110-82-7	Cyclohexane	19000	U
56-23-5	Carbon Tetrachloride	19000	U
71-43-2	Benzene	19000	U
107-06-2	1,2-Dichloroethane	19000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0134DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-014A

Sample wt/vol: 6.30 (g/mL) G Lab File ID: J7933.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 16 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 5 (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	19000	U
108-87-2	Methylcyclohexane	19000	U
78-87-5	1,2-Dichloropropane	19000	U
75-27-4	Bromodichloromethane	19000	U
10061-01-5	cis-1,3-Dichloropropene	19000	U
108-10-1	4-Methyl-2-pentanone	19000	U
108-88-3	Toluene	19000	U
10061-02-6	trans-1,3-Dichloropropene	19000	U
79-00-5	1,1,2-Trichloroethane	19000	U
127-18-4	Tetrachloroethene	76000	
591-78-6	2-Hexanone	19000	U
124-48-1	Dibromochloromethane	19000	U
106-93-4	1,2-Dibromoethane	19000	U
108-90-7	Chlorobenzene	19000	U
100-41-4	Ethylbenzene	19000	U
1330-20-7	Xylene (total)	19000	U
100-42-5	Styrene	19000	U
75-25-2	Bromoform	19000	U
98-82-8	Isopropylbenzene	19000	U
79-34-5	1,1,2,2-Tetrachloroethane	19000	U
541-73-1	1,3-Dichlorobenzene	19000	U
106-46-7	1,4-Dichlorobenzene	19000	U
95-50-1	1,2-Dichlorobenzene	19000	U
96-12-8	1,2-Dibromo-3-chloropropane	19000	U
120-82-1	1,2,4-Trichlorobenzene	19000	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0134DL

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-014A

Sample wt/vol: 6.30 (g/mL) G Lab File ID: J7933.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 16 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 5 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-07-0	Acetaldehyde	5.43	54000	BNJ

acft 6.26.0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0135

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0135

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-015A

Sample wt/vol: 6.01 (g/mL) G Lab File ID: J7935.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 12 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 10 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	9500	U
74-87-3	Chloromethane	9500	U
75-01-4	Vinyl Chloride	9500	U
74-83-9	Bromomethane	9500	U
75-00-3	Chloroethane	9500	U
75-69-4	Trichlorofluoromethane	9500	U
75-35-4	1,1-Dichloroethene	9500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9500	U
67-64-1	Acetone	9500	U
75-15-0	Carbon Disulfide	9500	U
79-20-9	Methyl Acetate	9500	U
75-09-2	Methylene Chloride	9500	U
156-60-5	trans-1,2-Dichloroethene	9500	U
1634-04-4	Methyl tert-Butyl Ether	9500	U
75-34-3	1,1-Dichloroethane	9500	U
156-59-2	cis-1,2-Dichloroethene	9500	U
78-93-3	2-Butanone	9500	U
67-66-3	Chloroform	9500	U
71-55-6	1,1,1-Trichloroethane	9500	U
110-82-7	Cyclohexane	9500	U
56-23-5	Carbon Tetrachloride	9500	U
71-43-2	Benzene	9500	U
107-06-2	1,2-Dichloroethane	9500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0135

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-015A

Sample wt/vol: 6.01 (g/mL) G Lab File ID: J7935.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 12 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 10 (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	9500	U
108-87-2	Methylcyclohexane	9500	U
78-87-5	1,2-Dichloropropane	9500	U
75-27-4	Bromodichloromethane	9500	U
10061-01-5	cis-1,3-Dichloropropene	9500	U
108-10-1	4-Methyl-2-pentanone	9500	U
108-88-3	Toluene	9500	U
10061-02-6	trans-1,3-Dichloropropene	9500	U
79-00-5	1,1,2-Trichloroethane	9500	U
127-18-4	Tetrachloroethene	66000	
591-78-6	2-Hexanone	9500	U
124-48-1	Dibromochloromethane	9500	U
106-93-4	1,2-Dibromoethane	9500	U
108-90-7	Chlorobenzene	9500	U
100-41-4	Ethylbenzene	9500	U
1330-20-7	Xylene (total)	9500	U
100-42-5	Styrene	9500	U
75-25-2	Bromoform	9500	U
98-82-8	Isopropylbenzene	9500	U
79-34-5	1,1,2,2-Tetrachloroethane	9500	U
541-73-1	1,3-Dichlorobenzene	9500	U
106-46-7	1,4-Dichlorobenzene	9500	U
95-50-1	1,2-Dichlorobenzene	9500	U
96-12-8	1,2-Dibromo-3-chloropropane	9500	U
120-82-1	1,2,4-Trichlorobenzene	9500	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0135

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-015A

Sample wt/vol: 6.01 (g/mL) G Lab File ID: J7935.D

Level: (low/med) MED Date Received: 05/28/02

% Moisture: not dec. 12 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 10 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown	5.43	17000	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJB

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006C

Sample wt/vol: 5 (g/mL) G Lab File ID: J7841.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	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	540	J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	~~1300~~ 130	~~U~~ 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

acH 6-26-02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJB

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006C

Sample wt/vol: 5 (g/mL) G Lab File ID: J7841.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (μL) Soil Aliquot Volume 100 (μL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (μg/L or μg/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.

VBLKJB

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006C

Sample wt/vol: 5 (g/mL) G Lab File ID: J7841.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/28/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJG

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006D

Sample wt/vol: 5 (g/mL) G Lab File ID: J7924.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	490	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.

VBLKJG

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006D

Sample wt/vol: 5 (g/mL) G Lab File ID: J7924.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CONCENTRATION UNITS: (µg/L or µg/Kg)

CAS NO.	COMPOUND	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.

VBLKJG

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006D

Sample wt/vol: 5 (g/mL) G Lab File ID: J7924.D

Level: (low/med) MED Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/31/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

Number TICs found: 2 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 000075-07-0	Acetaldehyde	5.42	1700	NJ
2.	Unknown (8.06)	8.06	750	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJX

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: J7799.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (μg/L or μg/Kg) UG/KG

CAS NO.	COMPOUND	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	6	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	15	
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	9	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJX

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: EC115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: J7799.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (μg/L or μg/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	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)	1	J
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.

VBLKJX

ab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: J7799.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/22/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 4 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (5.46)	5.46	19	J
2.	000541-05-9	Cyclotrisiloxane, hexamethyl-	16.44	19	NJ
3.	000556-67-2	Cyclotetrasiloxane, octamethyl-	20.59	19	NJ
4.		unknown (23.46)	23.46	23	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKJY

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006B

Sample wt/vol: 5 (g/mL) G Lab File ID: J7811.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/23/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	3	J
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.

VBLKJY

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006B

Sample wt/vol: 5 (g/mL) G Lab File ID: J7811.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/23/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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.

VBLKJY

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006B

Sample wt/vol: 5 (g/mL) G Lab File ID: J7811.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 05/23/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 5 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000541-05-9	Cyclotrisiloxane, hexamethyl-	16.45	41	NJ
2.	000556-67-2	Cyclotetrasiloxane, octamethyl-	20.59	28	NJ
3.		unknown (23.46)	23.46	65	J
4.	000103-09-3	Acetic acid, 2-ethylhexyl ester	24.43	17	NJ
5.		unknown (26.27)	26.27	13	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKQ

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006E

Sample wt/vol: 5 (g/mL) G Lab File ID: K6320.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg)

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	3	J
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	6	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKKQ

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006E

Sample wt/vol: 5 (g/mL) G Lab File ID: K6320.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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)	2	J
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	2	J
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	6	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKKQ

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-006E

Sample wt/vol: 5 (g/mL) G Lab File ID: K6320.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown (15.8)	15.80	63	J
2.	Unknown (18.6)	18.60	33	J
3.	Unknown (21.35)	21.35	8	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKKA

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: K6323.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10 ~~8~~	BJ 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 ~~8~~	BJ u
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~8~~	BJ 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

GCH 6-26-02

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKKA

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: K6323.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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 ~~1~~	BJ u

ACH 6 21 02

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKKA

Lab Name: Clayton Group Services Contract: 68-W-99-069

Lab Code: CLAYTN Case No.: 30534 SAS No.: _____ SDG No.: E0115

Matrix: (soil/water) SOIL Lab Sample ID: 02050732-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: K6323.D

Level: (low/med) LOW Date Received: 05/21/02

% Moisture: not dec. 0 Date Analyzed: 06/01/02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 4 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-07-0	Acetaldehyde	4.77	17	NJ
2.	000556-67-2	Cyclotetrasiloxane, octamethyl-	15.81	52	NJ
3.		Unknown (18.6)	18.60	29	BJ
4.		Unknown (21.35)	21.35	7	BJ

ACH 6.26

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

Sample Delivery Group: E0115 CERCLIS No: ILN000508246

Case No: 32534 Site Name/Location: ELSWORTH INDUS. PARK

Contractor of EPA Lab: Clayton Data User: IEPA

No. of Samples: 13 Date Sampled or Date Received: 6-19-02

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: Ewa M. Dixon/ESAI Date: 6-19-02

Received by LSSS: Ewa M. Dixon/ESAI Date: 6-19-02

Review started: June 25, 2002 Reviewer Signature: Allison Harvey

Total time spent on review: 13 hrs Date review completed: 6-26-02

Copied by: Ewa M. Dixon/ESAI Date: 6-27-02

Mailed to user by: Ewa M. Dixon/ESAI Date: 6-27-02

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: ____

JUL 1 2 2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

x-41 C
x-41 D
x-42 A
x-42 B
x-23 A
x-23 B
x-4
x-4B
x-5
x-8A
x-8B
x-8D

x-50
x-50
x-9
x-9E
x-3A
x-3L
x-2

DATE: _____

SUBJECT: Review of Data
Received for Review on June 26, 2002

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: Ellsworth Industrial Park (IL)

CASE NUMBER: 30593 SDG NUMBER: E0031

Number and Type of Samples: 19 Soils

Sample Numbers: E0031 - E0038, E0138 - E0143, E0145, E0146, E0149, E0150, E0153

Laboratory: Ceimic Hrs. for Review: _____

Following are our findings:

RECEIVED
JUL 1 9 2002
IEPA-BCL-FSRS

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

Case Number : 30593 SDG Number: E0031
'te Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

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

Nineteen (19) soil samples, numbered *E0031* through *E0038, E0138* through *E0143, E0145, E0146, E0149, E0150* and *E0153,* were collected *June 10 - 14, 2002.* The lab received the samples *June 11 - 15, 2002* in good condition. All samples were analyzed for only the volatile list of organic analytes. All were analyzed according to CLP SOW *OLM04.2* 5/99.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: July 12, 2002

Case Number : 30593 SDG Number: E0031
te Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

1. HOLDING TIME

The following unpreserved volatile soil samples have aromatic analytes outside primary holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E0031, E0032
Benzene, Toluene, Chlorobenzene, Ethylbenzene, Xylenes (total), Styrene, Isopropylbenzene , 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene

The following unpreserved volatile soil samples have non-aromatic analytes outside primary holding time criteria. Hits are qualified "J" and non-detects are qualified "UJ".

E0031, E0032
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon Disulfide, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, tert-Butyl Methyl Ether, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2-Butanone, Chloroform, 1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, 1,2-Dichloroethane, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Bromoform, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems found for this qualification.

3. CALIBRATION

The following volatile samples are associated with a continuing calibration whose corresponding initial calibration has relative response factors (RRFs) outside primary criteria. Hits are flagged "J" and non-detects are qualified "R".

1,2-Dibromo-3-chloropropane
E0031, E0032, E0139, E0140, E0141, E0141MS, E0141MSD, VBLKOA, VBLKOB, VBLKOX, VHBLK01

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".

Reviewed By: Allison Harvey/IITRI-ESAT
Date: July 12, 2002

Case Number : 30593 SDG Number: E0031
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

1,2,4-Trichlorobenzene
E0031, E0032, E0139, E0140, E0141, E0141MS, E0141MSD, VBLKOA, VBLKOB, VBLKOX, VHBLK01

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

Acetone, 2-Hexanone
E0031, E0032, VBLKOA, VBLKOB, VHBLK01

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.

Acetone
E0138

Methylene Chloride
E0149, E0150

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.

E0036
Toluene

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" or "UJ" and non-detects are not flagged.

Acetone
E0035, E0037, E0038, E0146, E0150

Methylene Chloride
E0031, E0032, E0033, E0034, E0035, E0035MS, E0035MSD, E0036, E0037, E0038, E0138, E0142, E0143, E0145, E0146, E0153, VHBLK01

Case Number : 30593 SDG Number: E0031
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

No problems found for this qualification.

6. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No problems found for this qualification.

7. FIELD BLANK AND FIELD DUPLICATE

Sample *E0141* is a field duplicate of Sample *E0140*.
Sample E0140 contained Acetone at 790 µg/Kg, Methylene Chloride at 400 µg/Kg and Tetrachloroethene at 9500 µg/Kg.
Sample E0141 contained Acetone at 820 µg/Kg, Methylene Chloride at 330 µg/Kg and Tetrachloroethene at 6300 µg/Kg.
Results are not qualified based upon the results of the field blank or field duplicates.

8. INTERNAL STANDARDS

No problems found for this qualification.

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all VOA 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".

E0033, E0034, E0149, E0150
Trichlorofluoromethane, Tetrachloroethene

E0036
Acetone, Cyclohexane, Benzene, Methylcyclohexane

E0037, E0138
Cyclohexane, Benzene, Methylcyclohexane, Toluene

E0139, E0140, E0141, E0141MS, E0141MSD, VBLKQO
Acetone, Methylene Chloride

Reviewed By: Allison Harvey/IITRI-ESAT
Date: July 12, 2002

Case Number : 30593 SDG Number: E0031
Site Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

E0142
Carbon Disulfide

E0143
Acetone, Cyclohexane, Methylcyclohexane

E0145
2-Butanone, Tetrachloroethene

E0146
Trichlorofluoromethane, Toluene

E0153
Acetone

VBLKOA
Methylene Chloride, 1,2,4-Trichlorobenzene

VBLKOB
Methylene Chloride

VBLKQU
Methylene Chloride, Toluene

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

12. ADDITIONAL INFORMATION

Sample E0032 was mislabeled on the laboratory Form Is as E0023.

The raw data for method blank VBLKOB showed that Acetone was detected below the RQL at 345 µg/Kg. There were no notes on the raw data indicating that the 'detection' had been qualified as a false positive, but Acetone was reported as a non-detect on both the Form I and the Laboratory's electronic file uploaded to the CADRE program. No Acetone was detected in the samples associated with this method blank.

The CRQLs reported on the Laboratory Form Is were not correctly adjusted for sample weight and percent moisture. The OLM04.2 Contract CRQL for low level soil samples is 10 µg/Kg and 1200 µg/Kg for medium level soil samples. The corrected values are presented in the following table and reflect the values reported in the CADRE spreadsheet.

Case Number : 30593 SDG Number: E0031
te Name: ELLSWORTH INDUSTRIAL PARK (IL) Laboratory: CEIMIC

Sample	Sample wgt, (g)	% moisture	Level	Reported CRQL, µg/Kg	Correctly Adj. CRQL, µg/Kg	CADRE CRQL, µg/Kg
E0032	6.2	0.16	Medium	9700	9216.59	9200
E0033	6.2	0.14	Low	10	9.38	9
E0037	6.2	0.15	Low	10	9.49	9
E0038	6.6	0.12	Low	10	8.61	9
E0138	6.2	0.14	Low	10	9.38	9
E0139	6.0	0.13	Medium	1300	919.54	920
E0140	6.1	0.21	Medium	1300	996.06	1000
E0141	6.0	0.18	Medium	1300	975.61	980

Samples E0031 and E0032 have a dilution factor of 10; the contracted soil aliquot volume of 100 µl was reduced to 10 µl.

Reviewed By: Allison Harvey/IITRI-ESAT
Date: July 12, 2002

CADRE Data Qualifier Sheet

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

Volatile Analysis Data - E0033
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN SILOXANE	14.20	7.000	J

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 1

Volatile Analysis Data - E0034
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN SILOXANE	14.20	7.000	J

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 2

Volatile Analysis Data - E0037
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	2.88	19.000	J
	STRAIGHT-CHAIN ALKANE	3.24	12.000	J
	STRAIGHT-CHAIN ALKANE	5.35	7.000	JB

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 3

Volatile Analysis Data - E0138
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	2.88	54.000	J
	STRAIGHT-CHAIN ALKANE	5.36	7.000	JB

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 4

Volatile Analysis Data - E0145
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN ALDEHYDE	2.39	6.000	J

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 5

Volatile Analysis Data - E0149
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
556-67-2	CYCLOTETRASILOXANE, OCTAMETHYL-	14.20	15.000	NJ

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 6

Volatile Analysis Data - E0150
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	UNKNOWN SILOXANE	14.20	26.000	J

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 7

Volatile Analysis Data - E0036
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	2.91	8.000	J
	UNKNOWN	3.29	6.000	J
	UNKNOWN	5.23	17.000	J

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 8

Volatile Analysis Data - E0142
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	BRANCHED ALKANE	15.22	6.000	J

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 9

Volatile Analysis Data - E0143
Tentatively Identified Compounds

CASE NO: 30593 LABORATORY: CEIMIC CORP
SDG NO: E0031

CAS NUMBER	COMPOUND NAME	RT	ESTIMATED CONCENTRATION	Q
	STRAIGHT-CHAIN ALKANE	2.28	7.000	J
	BRANCHED ALKANE	2.91	5.000	J

FILE NAME: E0031.SDG DATE: 07/05/2002 TIME: 14:47 CADRE99 PAGE: 10

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab : CEIMIC
Reviewer :
Date :

Number of Soil Samples : 19
Number of Water Samples : 0

Sample Number :	E0031		E0032		E0033		E0034		E0035	
Sampling Location :	X41C		X41D		X42A		X42B		X23A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/10/2002		06/10/2002		06/10/2002		06/10/2002		06/11/2002	
Time Sampled :	14:00		14:15		15:00		15:45		10:45	
%Moisture :	18		16		14		19		21	
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	15000	UJ	9200	UJ	9	U	10	U	11	U
Chloromethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Vinyl Chloride	15000	UJ	9200	UJ	9	U	10	U	11	U
Bromomethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Chloroethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Trichlorofluoromethane	15000	UJ	9200	UJ	3	J	3	J	11	U
1,1-Dichloroethene	15000	UJ	9200	UJ	9	U	10	U	11	U
1,1,2-Trichloro-1,2,2-trifluoroethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Acetone	15000	UJ	9200	UJ	9	U	10	U	11	U
Carbon Disulfide	15000	UJ	9200	UJ	9	U	10	U	11	U
Methyl Acetate	15000	UJ	9200	UJ	9	U	10	U	11	U
Methylene Chloride	15000	UJ	2900	UJ	9	U	10	U	11	U
trans-1,2-Dichloroethene	15000	UJ	9200	UJ	9	U	10	U	11	U
Methyl tert-Butyl Ether	15000	UJ	9200	UJ	9	U	10	U	11	U
1,1-Dichloroethane	15000	UJ	9200	UJ	9	U	10	U	11	U
cis-1,2-Dichloroethene	15000	UJ	9200	UJ	9	U	10	U	11	U
2-Butanone	15000	UJ	9200	UJ	9	U	10	U	11	U
Chloroform	15000	UJ	9200	UJ	9	U	10	U	11	U
1,1,1-Trichloroethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Cyclohexane	15000	UJ	9200	UJ	9	U	10	U	11	U
Carbon Tetrachloride	15000	UJ	9200	UJ	9	U	10	U	11	U
Benzene	15000	UJ	9200	UJ	9	U	10	U	11	U
1,2-Dichloroethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Trichloroethene	15000	UJ	9200	UJ	9	U	10	U	11	U
Methylcyclohexane	15000	UJ	9200	UJ	9	U	10	U	11	U
1,2-Dichloropropane	15000	UJ	9200	UJ	9	U	10	U	11	U
Bromodichloromethane	15000	UJ	9200	UJ	9	U	10	U	11	U
cis-1,3-Dichloropropene	15000	UJ	9200	UJ	9	U	10	U	11	U
4-Methyl-2-pentanone	15000	UJ	9200	UJ	9	U	10	U	11	U
Toluene	15000	UJ	9200	UJ	9	U	10	U	11	U
trans-1,3-Dichloropropene	15000	UJ	9200	UJ	9	U	10	U	11	U
1,1,2-Trichloroethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Tetrachloroethene	21000	J	22000	J	6	J	2	J	11	U

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0031		E0032		E0033		E0034		E0035	
Sampling Location :	X41C		X41D		X42A		X42B		X23A	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/10/2002		06/10/2002		06/10/2002		06/10/2002		06/11/2002	
Time Sampled :	14:00		14:15		15:00		15:45		10:45	
%Moisture :	18		16		14		19		21	
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	15000	UJ	9200	UJ	9	U	10	U	11	U
Dibromochloromethane	15000	UJ	9200	UJ	9	U	10	U	11	U
1,2-Dibromoethane	15000	UJ	9200	UJ	9	U	10	U	11	U
Chlorobenzene	15000	UJ	9200	UJ	9	U	10	U	11	U
Ethylbenzene	15000	UJ	9200	UJ	9	U	10	U	11	U
Xylenes (total)	15000	UJ	9200	UJ	9	U	10	U	11	U
Styrene	15000	UJ	9200	UJ	9	U	10	U	11	U
Bromoform	15000	UJ	9200	UJ	9	U	10	U	11	U
Isopropylbenzene	15000	UJ	9200	UJ	9	U	10	U	11	U
1,1,2,2-Tetrachloroethane	15000	UJ	9200	UJ	9	U	10	U	11	U
1,3-Dichlorobenzene	15000	UJ	9200	UJ	9	U	10	U	11	U
1,4-Dichlorobenzene	15000	UJ	9200	UJ	9	U	10	U	11	U
1,2-Dichlorobenzene	15000	UJ	9200	UJ	9	U	10	U	11	U
1,2-Dibromo-3-chloropropane	15000	R	9200	R	9	U	10	U	11	U
1,2,4-Trichlorobenzene	15000	UJ	9200	UJ	9	U	10	U	11	U

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab : CEIMIC
Reviewer :
Date :

Sample Number :	E0035MS		E0035MSD		E0036		E0037		E0038	
Sampling Location :	X23A		X23A		X23B		X4		X4B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/11/2002		06/11/2002		06/11/2002		06/11/2002		06/11/2002	
Time Sampled :	10:45		10:45		11:00		15:30		16:00	
%Moisture :	21		21		20		15		12	
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	12	U	11	U	10	U	9	U	9	U
Chloromethane	12	U	11	U	10	U	9	U	9	U
Vinyl Chloride	12	U	11	U	10	U	9	U	9	U
Bromomethane	12	U	11	U	10	U	9	U	9	U
Chloroethane	12	U	11	U	10	U	9	U	9	U
Trichlorofluoromethane	12	U	11	U	10	U	9	U	9	U
1,1-Dichloroethene	43		41		10	U	9	U	9	U
1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	11	U	10	U	9	U	9	U
Acetone	17		13		5	J	9	U	9	U
Carbon Disulfide	12	U	11	U	10	U	9	U	9	U
Methyl Acetate	12	U	11	U	10	U	9	U	9	U
Methylene Chloride	12	U	11	U	10	U	9	U	9	U
trans-1,2-Dichloroethene	12	U	11	U	10	U	9	U	9	U
Methyl tert-Butyl Ether	12	U	11	U	10	U	9	U	9	U
1,1-Dichloroethane	12	U	11	U	10	U	9	U	9	U
cis-1,2-Dichloroethene	12	U	11	U	10	U	9	U	9	U
2-Butanone	12	U	11	U	10	U	9	U	9	U
Chloroform	12	U	11	U	10	U	9	U	9	U
1,1,1-Trichloroethane	12	U	11	U	10	U	9	U	9	U
Cyclohexane	12	U	11	U	2	J	3	J	9	U
Carbon Tetrachloride	12	U	11	U	10	U	9	U	9	U
Benzene	50		48		1	J	1	J	9	U
1,2-Dichloroethane	12	U	11	U	10	U	9	U	9	U
Trichloroethene	47		45		10	U	9	U	9	U
Methylcyclohexane	12	U	11	U	1	J	2	J	9	U
1,2-Dichloropropane	12	U	11	U	10	U	9	U	9	U
Bromodichloromethane	12	U	11	U	10	U	9	U	9	U
cis-1,3-Dichloropropene	12	U	11	U	10	U	9	U	9	U
4-Methyl-2-pentanone	12	U	11	U	10	U	9	U	9	U
Toluene	48		46		10	U	2	J	9	U
trans-1,3-Dichloropropene	12	U	11	U	10	U	9	U	9	U
1,1,2-Trichloroethane	12	U	11	U	10	U	9	U	9	U
Tetrachloroethene	12	U	11	U	10	U	9	U	9	U

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0035MS		E0035MSD		E0036		E0037		E0038	
Sampling Location :	X23A		X23A		X23B		X4		X4B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/11/2002		06/11/2002		06/11/2002		06/11/2002		06/11/2002	
Time Sampled :	10:45		10:45		11:00		15:30		16:00	
%Moisture :	21		21		20		15		12	
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	12	U	11	U	10	U	9	U	9	U
Dibromochloromethane	12	U	11	U	10	U	9	U	9	U
1,2-Dibromoethane	12	U	11	U	10	U	9	U	9	U
Chlorobenzene	49		46		10	U	9	U	9	U
Ethylbenzene	12	U	11	U	10	U	9	U	9	U
Xylenes (total)	12	U	11	U	10	U	9	U	9	U
Styrene	12	U	11	U	10	U	9	U	9	U
Bromoform	12	U	11	U	10	U	9	U	9	U
Isopropylbenzene	12	U	11	U	10	U	9	U	9	U
1,1,2,2-Tetrachloroethane	12	U	11	U	10	U	9	U	9	U
1,3-Dichlorobenzene	12	U	11	U	10	U	9	U	9	U
1,4-Dichlorobenzene	12	U	11	U	10	U	9	U	9	U
1,2-Dichlorobenzene	12	U	11	U	10	U	9	U	9	U
1,2-Dibromo-3-chloropropane	12	U	11	U	10	U	9	U	9	U
1,2,4-Trichlorobenzene	12	U	11	U	10	U	9	U	9	U

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0138		E0139		E0140		E0141		E0141MS	
Sampling Location :	X5		X8A		X8B		X8D		X8D	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/12/2002		06/12/2002		06/12/2002		06/12/2002		06/12/2002	
Time Sampled :	10:45		12:45		13:15		13:15		13:15	
%Moisture :	14		13		21		18		18	
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	9	U	920	U	1000	U	980	U	980	U
Chloromethane	9	U	920	U	1000	U	980	U	980	U
Vinyl Chloride	9	U	920	U	1000	U	980	U	980	U
Bromomethane	9	U	920	U	1000	U	980	U	980	U
Chloroethane	9	U	920	U	1000	U	980	U	980	U
Trichlorofluoromethane	9	U	920	U	1000	U	980	U	980	U
1,1-Dichloroethene	9	U	920	U	1000	U	980	U	5300	
1,1,2-Trichloro-1,2,2-trifluoroethane	9	U	920	U	1000	U	980	U	980	U
Acetone	15	U	780	J	790	J	820	J	790	J
Carbon Disulfide	9	U	920	U	1000	U	980	U	980	U
Methyl Acetate	9	U	920	U	1000	U	980	U	980	U
Methylene Chloride	9	U	320	J	400	J	330	J	370	J
trans-1,2-Dichloroethene	9	U	920	U	1000	U	980	U	980	U
Methyl tert-Butyl Ether	9	U	920	U	1000	U	980	U	980	U
1,1-Dichloroethane	9	U	920	U	1000	U	980	U	980	U
cis-1,2-Dichloroethene	9	U	920	U	1000	U	980	U	980	U
2-Butanone	9	U	920	U	1000	U	980	U	980	U
Chloroform	9	U	920	U	1000	U	980	U	980	U
1,1,1-Trichloroethane	9	U	920	U	1000	U	980	U	980	U
Cyclohexane	3	J	920	U	1000	U	980	U	980	U
Carbon Tetrachloride	9	U	920	U	1000	U	980	U	980	U
Benzene	2	J	920	U	1000	U	980	U	5700	
1,2-Dichloroethane	9	U	920	U	1000	U	980	U	980	U
Trichloroethene	9	U	920	U	1000	U	980	U	5000	
Methylcyclohexane	3	J	920	U	1000	U	980	U	980	U
1,2-Dichloropropane	9	U	920	U	1000	U	980	U	980	U
Bromodichloromethane	9	U	920	U	1000	U	980	U	980	U
cis-1,3-Dichloropropene	9	U	920	U	1000	U	980	U	980	U
4-Methyl-2-pentanone	9	U	920	U	1000	U	980	U	980	U
Toluene	3	J	920	U	1000	U	980	U	5500	
trans-1,3-Dichloropropene	9	U	920	U	1000	U	980	U	980	U
1,1,2-Trichloroethane	9	U	920	U	1000	U	980	U	980	U
Tetrachloroethene	9	U	1000		9500		6300		6300	

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0138		E0139		E0140		E0141		E0141MS	
Sampling Location :	X5		X8A		X8B		X8D		X8D	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/12/2002		06/12/2002		06/12/2002		06/12/2002		06/12/2002	
Time Sampled :	10:45		12:45		13:15		13:15		13:15	
%Moisture :	14		13		21		18		18	
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	9	U	920	U	1000	U	980	U	980	U
Dibromochloromethane	9	U	920	U	1000	U	980	U	980	U
1,2-Dibromoethane	9	U	920	U	1000	U	980	U	980	U
Chlorobenzene	9	U	920	U	1000	U	980	U	5300	
Ethylbenzene	9	U	920	U	1000	U	980	U	980	U
Xylenes (total)	9	U	920	U	1000	U	980	U	980	U
Styrene	9	U	920	U	1000	U	980	U	980	U
Bromoform	9	U	920	U	1000	U	980	U	980	U
Isopropylbenzene	9	U	920	U	1000	U	980	U	980	U
1,1,2,2-Tetrachloroethane	9	U	920	U	1000	U	980	U	980	U
1,3-Dichlorobenzene	9	U	920	U	1000	U	980	U	980	U
1,4-Dichlorobenzene	9	U	920	U	1000	U	980	U	980	U
1,2-Dichlorobenzene	9	U	920	U	1000	U	980	U	980	U
1,2-Dibromo-3-chloropropane	9	U	920	R	1000	R	980	R	980	R
1,2,4-Trichlorobenzene	9	U	920	U	1000	U	980	U	980	U

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0141MSD		E0142		E0143		E0145		E0146	
Sampling Location :	X8D		X50		X50B		X9A		X9B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/12/2002		06/12/2002		06/12/2002		06/13/2002		06/13/2002	
Time Sampled :	13:15		16:30		17:00		12:00		12:30	
%Moisture :	18		22		16		15		18	
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	980	U	11	U	10	U	10	U	10	U
Chloromethane	980	U	11	U	10	U	10	U	10	U
Vinyl Chloride	980	U	11	U	10	U	10	U	10	U
Bromomethane	980	U	11	U	10	U	10	U	10	U
Chloroethane	980	U	11	U	10	U	10	U	10	U
Trichlorofluoromethane	980	U	11	U	10	U	10	U	1	J
1,1-Dichloroethene	5800		11	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	980	U	11	U	10	U	10	U	10	U
Acetone	760	J	20		4	J	43		10	U
Carbon Disulfide	980	U	3	J	10	U	10	U	10	U
Methyl Acetate	980	U	11	U	10	U	10	U	10	U
Methylene Chloride	340	J	11	U	10	U	10	U	10	U
trans-1,2-Dichloroethene	980	U	11	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	980	U	11	U	10	U	10	U	10	U
1,1-Dichloroethane	980	U	11	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	980	U	11	U	10	U	10	U	10	U
2-Butanone	980	U	11	U	10	U	8	J	10	U
Chloroform	980	U	11	U	10	U	10	U	10	U
1,1,1-Trichloroethane	980	U	11	U	10	U	10	U	10	U
Cyclohexane	980	U	11	U	1	J	10	U	10	U
Carbon Tetrachloride	980	U	11	U	10	U	10	U	10	U
Benzene	5600		11	U	10	U	10	U	10	U
1,2-Dichloroethane	980	U	11	U	10	U	10	U	10	U
Trichloroethene	5100		11	U	10	U	10	U	10	U
Methylcyclohexane	980	U	11	U	1	J	10	U	10	U
1,2-Dichloropropane	980	U	11	U	10	U	10	U	10	U
Bromodichloromethane	980	U	11	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	980	U	11	U	10	U	10	U	10	U
4-Methyl-2-pentanone	980	U	11	U	10	U	10	U	10	U
Toluene	5500		11	U	10	U	10	U	1	J
trans-1,3-Dichloropropene	980	U	11	U	10	U	10	U	10	U
1,1,2-Trichloroethane	980	U	11	U	10	U	10	U	10	U
Tetrachloroethene	6500		11	U	10	U	2	J	170	

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0141MSD		E0142		E0143		E0145		E0146	
Sampling Location :	X8D		X50		X50B		X9A		X9B	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/12/2002		06/12/2002		06/12/2002		06/13/2002		06/13/2002	
Time Sampled :	13:15		16:30		17:00		12:00		12:30	
%Moisture :	18		22		16		15		18	
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	980	U	11	U	10	U	10	U	10	U
Dibromochloromethane	980	U	11	U	10	U	10	U	10	U
1,2-Dibromoethane	980	U	11	U	10	U	10	U	10	U
Chlorobenzene	5200		11	U	10	U	10	U	10	U
Ethylbenzene	980	U	11	U	10	U	10	U	10	U
Xylenes (total)	980	U	11	U	10	U	10	U	10	U
Styrene	980	U	11	U	10	U	10	U	10	U
Bromoform	980	U	11	U	10	U	10	U	10	U
Isopropylbenzene	980	U	11	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	980	U	11	U	10	U	10	U	10	U
1,3-Dichlorobenzene	980	U	11	U	10	U	10	U	10	U
1,4-Dichlorobenzene	980	U	11	U	10	U	10	U	10	U
1,2-Dichlorobenzene	980	U	11	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	980	R	11	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	980	U	11	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0149		E0150		E0153		VBLKOB		VBLKOX	
Sampling Location :	X3A		X3B		X2					
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/13/2002		06/13/2002		06/14/2002					
Time Sampled :	17:45		17:50		13:30					
%Moisture :	17		14		12		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	13	U	9	U	1200	U	1200	U
Chloromethane	10	U	13	U	9	U	1200	U	1200	U
Vinyl Chloride	10	U	13	U	9	U	1200	U	1200	U
Bromomethane	10	U	13	U	9	U	1200	U	1200	U
Chloroethane	10	U	13	U	9	U	1200	U	1200	U
Trichlorofluoromethane	2	J	2	J	9	U	1200	U	1200	U
1,1-Dichloroethene	10	U	13	U	9	U	1200	U	1200	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	13	U	9	U	1200	U	1200	U
Acetone	10	U	13	U	5	J	1200	UJ	1200	U
Carbon Disulfide	10	U	13	U	9	U	1200	U	1200	U
Methyl Acetate	10	U	13	U	9	U	1200	U	1200	U
Methylene Chloride	10	U	17	U	9	U	360	J	1200	U
trans-1,2-Dichloroethene	10	U	13	U	9	U	1200	U	1200	U
Methyl tert-Butyl Ether	10	U	13	U	9	U	1200	U	1200	U
1,1-Dichloroethane	10	U	13	U	9	U	1200	U	1200	U
cis-1,2-Dichloroethene	10	U	13	U	9	U	1200	U	1200	U
2-Butanone	10	U	13	U	9	U	1200	U	1200	U
Chloroform	10	U	13	U	9	U	1200	U	1200	U
1,1,1-Trichloroethane	10	U	13	U	9	U	1200	U	1200	U
Cyclohexane	10	U	13	U	9	U	1200	U	1200	U
Carbon Tetrachloride	10	U	13	U	9	U	1200	U	1200	U
Benzene	10	U	13	U	9	U	1200	U	1200	U
1,2-Dichloroethane	10	U	13	U	9	U	1200	U	1200	U
Trichloroethene	10	U	13	U	9	U	1200	U	1200	U
Methylcyclohexane	10	U	13	U	9	U	1200	U	1200	U
1,2-Dichloropropane	10	U	13	U	9	U	1200	U	1200	U
Bromodichloromethane	10	U	13	U	9	U	1200	U	1200	U
cis-1,3-Dichloropropene	10	U	13	U	9	U	1200	U	1200	U
4-Methyl-2-pentanone	10	U	13	U	9	U	1200	U	1200	U
Toluene	10	U	13	U	9	U	1200	U	1200	U
trans-1,3-Dichloropropene	10	U	13	U	9	U	1200	U	1200	U
1,1,2-Trichloroethane	10	U	13	U	9	U	1200	U	1200	U
Tetrachloroethene	1	J	1	J	9	U	1200	U	1200	U

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	E0149		E0150		E0153		VBLKOB		VBLKOX	
Sampling Location :	X3A		X3B		X2					
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	06/13/2002		06/13/2002		06/14/2002					
Time Sampled :	17:45		17:50		13:30					
%Moisture :	17		14		12		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	13	U	9	U	1200	UJ	1200	U
Dibromochloromethane	10	U	13	U	9	U	1200	U	1200	U
1,2-Dibromoethane	10	U	13	U	9	U	1200	U	1200	U
Chlorobenzene	10	U	13	U	9	U	1200	U	1200	U
Ethylbenzene	10	U	13	U	9	U	1200	U	1200	U
Xylenes (total)	10	U	13	U	9	U	1200	U	1200	U
Styrene	10	U	13	U	9	U	1200	U	1200	U
Bromoform	10	U	13	U	9	U	1200	U	1200	U
Isopropylbenzene	10	U	13	U	9	U	1200	U	1200	U
1,1,2,2-Tetrachloroethane	10	U	13	U	9	U	1200	U	1200	U
1,3-Dichlorobenzene	10	U	13	U	9	U	1200	U	1200	U
1,4-Dichlorobenzene	10	U	13	U	9	U	1200	U	1200	U
1,2-Dichlorobenzene	10	U	13	U	9	U	1200	U	1200	U
1,2-Dibromo-3-chloropropane	10	U	13	U	9	U	1200	R	1200	R
1,2,4-Trichlorobenzene	10	U	13	U	9	U	1200	UJ	1200	UJ

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKQO		VBLKQU							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
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-trifluoroethane	10	U	10	U						
Acetone	3	J	10	U						
Carbon Disulfide	10	U	10	U						
Methyl Acetate	10	U	10	U						
Methylene Chloride	7	J	5	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	U	10	U						
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	1	J						
trans-1,3-Dichloropropene	10	U	10	U						
1,1,2-Trichloroethane	10	U	10	U						
Tetrachloroethene	10	U	10	U						

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKQO		VBLKQU							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
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	U	10	U						
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						

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKOA		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-trifluoroethane	10	U	10	U						
Acetone	10	UJ	10	UJ						
Carbon Disulfide	10	U	10	U						
Methyl Acetate	10	U	10	U						
Methylene Chloride	3	J	10	U						
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	U	10	U						
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	10	U	10	U						

Analytical Results (Qualified Data)

Case #: 30593 SDG : E0031
Site : ELSWORTH INDUSTRIAL PARK
Lab. : CEIMIC
Reviewer :
Date :

Sample Number :	VBLKOA		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	R	10	R						
1,2,4-Trichlorobenzene	4	J	10	UJ						

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 6-26-02

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

TO: Data User: IEPA

We have reviewed the data for the following case:

SITE NAME: ELLSWORTH INDUSTRIAL PARK (IL)

CASE NUMBER: 30593 SDG NUMBER: E0031

Number and Type of Samples: 19 (SOIL)

Sample Numbers: E0031-8, E0138-43, E0145-46, E0149-50, E0153

Laboratory: CERCO Hrs for Review:

Following are our findings:

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

SDG Narrative

The enclosed data package is in response to USEPA, Region V, Case No. 30593, SDG No. E0031, Contract No. 68-W-99-064. Under this SDG there are 19 VOA analyses for 19 soil samples which were received at Ceimic Corporation on June 11, 12, 13, 14 and 15, 2002.

This data package includes the analyses for the following samples from SDG No. E0031, all of which are billable:

(1)

EPA ID	Ceimic ID	Analyses
E0031	020562-01	VOA
E0032	020562-02	VOA
E0033	020562-03	VOA
E0034	020562-04	VOA
E0035	020562-05	VOA
E0036	020562-06	VOA
E0037	020562-07	VOA
E0038	020562-08	VOA
E0138	020562-09	VOA
E0139	020562-10	VOA
E0140	020562-11	VOA
E0141	020562-12	VOA
E0142	020562-13	VOA
E0143	020562-14	VOA
E0145	020562-15	VOA
E0146	020562-16	VOA
E0149	020562-17	VOA
E0150	020562-18	VOA
E0153	020562-19	VOA

Sample Receipt

Cooler Temperatures upon receipt were 3°C and 6°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/MS Analysis

A. VOA

MS15 HP5970B GC/MS,105m, 0.53mm ID, 3 um, RTX-VOL megabore column
Supelco trap #K (10cm Carbopack B, 6cm Carboxen 1000, 1cm Carboxen 1001)
MS17 HP5973 GC/MS, 30m, 0.25mm ID, 1.4 um, RTX-624 capillary column.

OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

(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 OLM04.2)

The following samples were received as Encore samples and analyzed according to Method 5035:

EPA ID:	Ceimic ID:
E0031	020562-01
E0032	020562-02
E0033	020562-03
E0034	020562-04
E0035	020562-05
E0035MS	020562-05MS
E0035MSD	020562-05MSD
E0036	020562-06
E0037	020562-07
E0038	020562-08
E0138	020562-09
E0139	020562-10
E0140	020562-11
E0141	020562-12
E0142	020562-13
E0143	020562-14
E0145	020562-15
E0146	020562-16
E0149	020562-17
E0150	020562-18
E0153	020562-19

The following samples were reanalyzed as medium soils

EPA ID:	Ceimic ID:

E0031	020562-01
E0032	020562-02
E0140	020562-11
E0141	020562-12
E0141MS,	020562-12MS
E0141MSD	020562-12MSD

Samples E0031 (020562-01) and E0032 (020562-02) had extremely high concentrations in the Low Soil analyses for Tetrachloroethene (3400ppb and 3200ppb). These samples were reanalyzed as medium soils at 50ul, 25ul, and 5ul. These samples were analyzed out of hold time.

A waiver request was made to Jennie Han-Liu for a due date extension.

The 6/24/02 waiver request concerning Case No. 30593, SDG No. E0031 to extend the data due date by four business days was approved by the Contracting Officer due to the impact the high tetrachloroethene concentrations had on shutting down the laboratory's GC/MS instrument. The due date was extended to 6/28/02.

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.

Alfred Kwolek, GC/MS Specialist

6/26/02

Date

ALKANE NARRATIVE REPORT
Report date : 06/25/2002
SDG: E0031

Client Sample ID: VBLKQO Lab Sample ID: V170617-B1 File ID: Q1749

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	5.38	2600	J

Client Sample ID: E0037 Lab Sample ID: 020562-07 File ID: Q1756

Compound	RT	Est. Conc.	Q
Branched Alkane	2.88	19	J
Straight-Chain Alkane	3.24	12	J
Straight-Chain Alkane	5.35	7	JB

Client Sample ID: E0138 Lab Sample ID: 020562-09 File ID: Q1758

Compound	RT	Est. Conc.	Q
Branched Alkane	2.88	54	J
Straight-chain Alkane	5.36	7	JB

Client Sample ID: E0036 Lab Sample ID: 020562-06 File ID: Q1857

Compound	RT	Est. Conc.	Q
Branched Alkane	2.91	8	J

Client Sample ID: E0142 Lab Sample ID: 020562-13 File ID: Q1858

Compound	RT	Est. Conc.	Q
Branched Alkane	15.22	6	J

Client Sample ID: E0143 Lab Sample ID: 020562-14 File ID: Q1859

Compound	RT	Est. Conc.	Q
Straight-Chain Alkane	2.28	7	J
Branched Alkane	2.91	5	J

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

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

Case No.: 30593 **Bid Lot:** A

Contract No: 68-W-99-064 **Full Sample Analysis Price:** $275.00

First Sample in SDG: E0031 **Sample Receipt Date:** 6/11/02
(Lowest EPA Sample Number in the first shipment of samples received under SDG.)

Last Sample in SDG: E0153 **Sample Receipt Date:** 6/15/02
(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. E0031	**11.** E0140
2. E0032	**12.** E0141
3. E0033	**13.** E0142
4. E0034	**14.** E0143
5. E0035	**15.** E0145
6. E0036	**16.** E0146
7. E0037	**17.** E0149
8. E0038	**18.** E0150
9. E0138	**19.** E0153
10. E0139	**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

6/18/02
Date

U: PA Contract Laboratory Program
Organic Traffic Report

Case No: 30593
DAS No:
SDG No: E0031

L

Date Shipped: 6/10/02 Carrier Name: UPS Airbill: 1Z 621 589 22 1002 054 8 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Date Received/Received by: 6/11/02 Elizabeth Astaj Lab Contract No: 68W99064 Unit Price: A ~~Transfer To: EA~~ ~~Date Received/Received By: 6/11/02~~ ~~Lab Contract No: Price:~~	Samples (Signature): James M. Salch Relinquished By: James M. Salch Relinquished By: Relinquished By:	Date / Time: 6/10/02 18 00 Date / Time: Date / Time:	Received By: Elizabeth Astaj Received By: Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0031	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100966, 5-100967 (2)	X41C	6/10/02 14:00		
E0032	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100968, 5-100969 (2)	X41D	6/10/02 14:15		
E0033	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100970, 5-100971 (2)	X42A	6/10/02 15:00		
E0034	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100972, 5-100973 (2)	X42B	6/10/02 15:45		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 81441
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designati Composite = C, Grab = G		Custody Seal Intact:__ Shipment Iced__
dry = Dry Weight, VOA = CLP TCL Volatiles				

CLP provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

U EPA Contract Laboratory Program
Organic Traffic Report

Case No: 30593
DAS No:
SDG No: E0031

L

Date Shipped: 6/11/02 Carrier Name: UPS Airbill: 1z6215892210020502 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Date Received/Received by: 6/12/02 Elizabeth Astuaga Lab Contract No: 6SW990641 Unit Price: A Transfer To: Date Received/Received By: EA 6/12/02 Lab Contract No: Price:	Sampler (Signature): James M. Salch Relinquished By: James M. Salch Date / Time: 6/11/02 17:00 Received By: Elizabeth Astuaga Relinquished By: Date / Time: Received By: Relinquished By: Date / Time: Received By:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0035	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100974, 5-100975 (2)	X23A	6/11/02 10:45		
E0036	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100976, 5-100977 (2)	X23B	6/11/02 11:00		
E0037	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100978, 5-100979 (2)	X4	6/11/02 15:30		
E0038	Soil/Sediment/ Jim Salch	L/G	dry (21), VOA (21)	5-100980, 5-100981 (2)	X4B	6/11/02 16:00		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: E0035	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 81442
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designat Composite = C, Grab = G	Custody Seal Intact:	Shipment Iced

dry = Dry Weight, VOA = CLP TCL Volatiles

PR provides preliminary results. Requests for preliminary resuls will increase analytical costs.
Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30593
DAS No:
SDG No: E003 L

Date Shipped: 6/12/02 Carrier Name: UPS Airbill: 1z 621 589 22 1002 053 9 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Date Received/Received by: 6/13/02 Elizabeth Astuc Lab Contract No: 68W99064 Unit Price: A ~~Transfer To:~~ ~~Date Received/Received By: EA 6/13/02~~ ~~Lab Contract No: Price:~~	Sampler (Signature): James M. Salch Relinquished By: James M. Salch	Date / Time: 6/12/02 17:45	Received By: Elizabeth Astuc
		Relinquished By:	Date / Time:	Received By:
		Relinquished By:	Date / Time:	Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0138	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100327, 5-100328 (2)	X5	6/12/02 10:45		
E0139	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100329, 5-100330 (2)	X8A	6/12/02 12:45		
E0140	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100331, 5-100332 (2)	X8B	6/12/02 13:15		
E0141	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100333, 5-100334 (2)	X8D	6/12/02 13:15		
E0142	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100335, 5-100336 (2)	X50	6/12/02 16:30		
E0143	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100337, 5-100338 (2)	X50B	6/12/02 17:00		

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 81443	
Analysis Key:	Concentration: L = Low M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact?__	Shipment Iced?__
PER_SOL = Percent Solids, VOA = CLP TCL Volatiles					

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

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30593
DAS No:
SDG No:
L

Date Shipped: 6/13/02 Carrier Name: UPS Airbill: 1z 621 589 22 1002 0511 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Date Received/Received by: 6/14/02 Elizabeth Astrag Lab Contract No: CSW99064 Unit Price: A Transfer To: Date Received/Received By: EA 6/14/02 Lab Contract No: Price:	Sampler (Signature): James M. Salch Relinquished By: James M. Salch Relinquished By: Relinquished By:	Date / Time: 6/13/02 18:15 Date / Time: Date / Time:	Received By: Elizabeth Astrag Received By: Received By:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0145	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100339, 5-10040 (2)	X9A	6/13/02 12:00		
E0146	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100341, 5-10042 (2)	X9B	6/13/02 12:30		
E0149	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-10045, 5-10046 (2)	X3A	6/13/02 17:45		
E0150	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100347, 5-100348 (2)	X3B	6/13/02 17:50		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number: 81445	
Analysis Key:	Concentration: L = Low M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact?	Shipment Iced?
PER_SOL = Percent Solids, VOA = CLP TCL Volatiles					

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

USEPA Contract Laboratory Program
Organic Traffic Report

Case No: 30593
DAS No:
SDG No: E003 (

L

Date Shipped: 6/14/02 Carrier Name: UPS Airbill: 1136 017 963 8 Shipped to: Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	Date Received/Received by: 06/15/02 [illegible] Lab Contract No: 68W99064 Unit Price: A Transfer To: Date Received/Received By: JM 06/15/02 Lab Contract No: Price:	Sampler (Signature): James M. Salch Relinquished By: James M. Salch Date / Time: 6/14/02 14:30 Received By: Relinquished By: Date / Time: Received By: Relinquished By: Date / Time: 06/15/02 10:00 Received By: 06/15/02 [illegible]	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E0153	Soil/Sediment/ Jim Salch	L/G	PER_SOL (7), VOA (7)	5-100356, 5-100357 (2)	X2	6/14/02 13:30		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact?__	Shipment Iced?__
PER_SOL = Percent Solids, VOA = CLP TCL Volatiles					

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

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2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKQO	100	94	98		0
02	E0033	100	91	96		0
03	E0034	102	92	96		0
04	E0035	98	91	100		0
05	E0037	98	94	102		0
06	E0038	100	86	100		0
07	E0138	96	91	100		0
08	E0145	98	96	100		0
09	E0146	96	92	98		0
10	E0149	102	90	96		0
11	E0150	102	91	95		0
12	VBLKQU	100	96	98		0
13	E0035MS	98	98	100		0
14	E0035MSD	96	96	98		0
15	E0036	94	98	104		0
16	E0142	96	100	104		0
17	E0143	94	100	104		0
18	E0153	102	91	98		0
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

2E

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Level:(low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKOX	104	88	96		0
02	E0139	100	88	92		0
03	E0140	102	90	92		0
04	E0141	102	88	92		0
05	E0141MS	98	88	90		0
06	E0141MSD	102	86	92		0
07	E0031	103	96	95		0
08	E0023	104	98	98		0
09						
10						
11						
12						
13						
14						
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16						
17						
18						
19						
20						
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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

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKOA	104	94	94		0
02	VBLKOB	98	98	92		0
03	VHBLK01	100	92	92		0
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
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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

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix Spike - EPA Sample No.: E0035 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	61	0.0	43	70	59-172
Trichloroethene	61	0.0	47	77	62-137
Benzene	61	0.0	50	82	66-142
Toluene	61	0.0	48	79	59-139
Chlorobenzene	61	0.0	49	80	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	57	41	72	3	22	59-172
Trichloroethene	57	45	79	3	24	62-137
Benzene	57	48	84	2	21	66-142
Toluene	57	46	81	3	21	59-139
Chlorobenzene	57	46	81	1	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:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix Spike - EPA Sample No.: E0141 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	5100	0.0	5300	104	59-172
Trichloroethene	5100	0.0	5000	98	62-137
Benzene	5100	0.0	5700	112	66-142
Toluene	5100	0.0	5500	108	59-139
Chlorobenzene	5100	0.0	5300	104	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5100	5800	114	9	22	59-172
Trichloroethene	5100	5100	100	2	24	62-137
Benzene	5100	5600	110	2	21	66-142
Toluene	5100	5500	108	0	21	59-139
Chlorobenzene	5100	5200	102	2	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.

VBLKOA

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Lab File ID: OK398 Lab Sample ID: V150625-B1

Date Analyzed: 06/25/02 Time Analyzed: 1013

GC Column: RTX-VOL ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MS15

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	020562-21	OK402	1428
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
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30				

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOB

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Lab File ID: OK399 Lab Sample ID: V150625M-B1

Date Analyzed: 06/25/02 Time Analyzed: 1107

GC Column: RTX-VOL ID: 0.53 (mm) Heated Purge: (Y/N) N

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	E0031	020562-01	OK400	1204
02	E0023	020562-02	OK401	1332
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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29				
30				

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKOX

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Lab File ID: OK367 Lab Sample ID: V150622M-B1

Date Analyzed: 06/22/02 Time Analyzed: 0930

GC Column: RTX-VOL ID: 0.53 (mm) Heated Purge: (Y/N) N

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	E0139	020562-10	OK370	1333
02	E0140	020562-11	OK371	1453
03	E0141	020562-12	OK372	1611
04	E0141MS	020562-12MS	OK373	1716
05	E0141MSD	020562-12MSD	OK374	1826
06				
07				
08				
09				
10				
11				
12				
13				
14				
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30				

COMMENTS:

4A

EPA SAMPLE NO.

VBLKQC

VOLATILE METHOD BLANK SUMMARY

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Lab File ID: Q1749 Lab Sample ID: V170617-B1

Date Analyzed: 06/17/02 Time Analyzed: 0950

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

Instrument ID: MS17

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0033	020562-03	Q1752	1144
02	E0034	020562-04	Q1753	1217
03	E0035	020562-05	Q1754	1251
04	E0037	020562-07	Q1756	1358
05	E0038	020562-08	Q1757	1432
06	E0138	020562-09	Q1758	1505
07	E0145	020562-15	Q1764	1827
08	E0146	020562-16	Q1765	1901
09	E0149	020562-17	Q1766	1935
10	E0150	020562-18	Q1767	2008
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKQU

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Lab File ID: Q1854 Lab Sample ID: V170622-B1

Date Analyzed: 06/22/02 Time Analyzed: 0852

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

Instrument ID: MS17

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E0035MS	020562-05MS	Q1855	0934
02	E0035MSD	020562-05MSD	Q1856	1008
03	E0036	020562-06	Q1857	1043
04	E0142	020562-13	Q1858	1118
05	E0143	020562-14	Q1859	1153
06	E0153	020562-19	Q1860	1228
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-01

Sample wt/vol: 4.0(g/mL) G Lab File ID: OK400

Level: (low/med) MED Date Received: 06/11/02

% Moisture: not dec. 18 Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 10 ac 7-11-02

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 10(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	15000	U
74-87-3	Chloromethane	15000	U
75-01-4	Vinyl Chloride	15000	U
74-83-9	Bromomethane	15000	U
75-00-3	Chloroethane	15000	U
75-69-4	Trichlorofluoromethane	15000	U
75-35-4	1,1-Dichloroethene	15000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15000	U
67-64-1	Acetone	15000	U
75-15-0	Carbon Disulfide	15000	U
79-20-9	Methyl Acetate	15000	U
75-09-2	Methylene Chloride	15000 ~~3100~~	JB,u
156-60-5	trans-1,2-Dichloroethene	15000	U
1634-04-4	Methyl tert-Butyl Ether	15000	U
75-34-3	1,1-Dichloroethane	15000	U
156-59-2	cis-1,2-Dichloroethene	15000	U
78-93-3	2-Butanone	15000	U
67-66-3	Chloroform	15000	U
71-55-6	1,1,1-Trichloroethane	15000	U
110-82-7	Cyclohexane	15000	U
56-23-5	Carbon Tetrachloride	15000	U
71-43-2	Benzene	15000	U
107-06-2	1,2-Dichloroethane	4800	J~~B~~

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0031

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-01

Sample wt/vol: 4.0(g/mL) G Lab File ID: OK400

Level: (low/med) MED Date Received: 06/11/02

% Moisture: not dec. 18 Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 10 acA 7-11-02

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 10(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	15000	U
108-87-2	Methylcyclohexane	15000	U
78-87-5	1,2-Dichloropropane	15000	U
75-27-4	Bromodichloromethane	15000	U
10061-01-5	cis-1,3-Dichloropropene	15000	U
108-10-1	4-Methyl-2-Pentanone	15000	U
108-88-3	Toluene	15000	U
10061-02-6	trans-1,3-Dichloropropene	15000	U
79-00-5	1,1,2-Trichloroethane	15000	U
127-18-4	Tetrachloroethene	21000	
591-78-6	2-Hexanone	15000	U
124-48-1	Dibromochloromethane	15000	U
106-93-4	1,2-Dibromoethane	15000	U
108-90-7	Chlorobenzene	15000	U
100-41-4	Ethylbenzene	15000	U
1330-20-7	Xylene (Total)	15000	U
100-42-5	Styrene	15000	U
75-25-2	Bromoform	15000	U
98-82-8	Isopropylbenzene	15000	U
79-34-5	1,1,2,2-Tetrachloroethane	15000	U
541-73-1	1,3-Dichlorobenzene	15000	U
106-46-7	1,4-Dichlorobenzene	15000	U
95-50-1	1,2-Dichlorobenzene	15000	U
96-12-8	1,2-Dibromo-3-chloropropane	15000	U
120-82-1	1,2,4-Trichlorobenzene	15000	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0031

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-01

Sample wt/vol: 4.0 (g/mL) G Lab File ID: OK400

Level: (low/med) MED Date Received: 06/11/02

% Moisture: not dec. 18 Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: ~~1.0~~ acp 7-11-02

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 10(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.

E0023

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031 act 7-10-02

Matrix: (soil/water) SOIL Lab Sample ID: 020562-02

Sample wt/vol: 6.2(g/mL) G Lab File ID: OK401

Level: (low/med) MED Date Received: 06/11/02

% Moisture: not dec. 16 Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: ~~10~~ 10 act 7-11-02

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 10(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	9700	U
74-87-3	Chloromethane	9700	U
75-01-4	Vinyl Chloride	9700	U
74-83-9	Bromomethane	9700	U
75-00-3	Chloroethane	9700	U
75-69-4	Trichlorofluoromethane	9700	U
75-35-4	1,1-Dichloroethene	9700	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9700	U
67-64-1	Acetone	9700	U
75-15-0	Carbon Disulfide	9700	U
79-20-9	Methyl Acetate	9700	U
75-09-2	Methylene Chloride	9700 ~~2800~~	JB U
156-60-5	trans-1,2-Dichloroethene	9700	U
1634-04-4	Methyl tert-Butyl Ether	9700	U
75-34-3	1,1-Dichloroethane	9700	U
156-59-2	cis-1,2-Dichloroethene	9700	U
78-93-3	2-Butanone	9700	U
67-66-3	Chloroform	9700	U
71-55-6	1,1,1-Trichloroethane	9700	U
110-82-7	Cyclohexane	9700	U
56-23-5	Carbon Tetrachloride	9700	U
71-43-2	Benzene	9700	U
107-06-2	1,2-Dichloroethane	9700	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0023

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031 ACH 7-10-02

Matrix: (soil/water) SOIL Lab Sample ID: 020562-02

Sample wt/vol: 6.2(g/mL) G Lab File ID: OK401

Level: (low/med) MED Date Received: 06/11/02

% Moisture: not dec. 16 Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 10 ACH 7-11-02

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 10(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	9700	U
108-87-2	Methylcyclohexane	9700	U
78-87-5	1,2-Dichloropropane	9700	U
75-27-4	Bromodichloromethane	9700	U
10061-01-5	cis-1,3-Dichloropropene	9700	U
108-10-1	4-Methyl-2-Pentanone	9700	U
108-88-3	Toluene	9700	U
10061-02-6	trans-1,3-Dichloropropene	9700	U
79-00-5	1,1,2-Trichloroethane	9700	U
127-18-4	Tetrachloroethene	22000	
591-78-6	2-Hexanone	9700	U
124-48-1	Dibromochloromethane	9700	U
106-93-4	1,2-Dibromoethane	9700	U
108-90-7	Chlorobenzene	9700	U
100-41-4	Ethylbenzene	9700	U
1330-20-7	Xylene (Total)	9700	U
100-42-5	Styrene	9700	U
75-25-2	Bromoform	9700	U
98-82-8	Isopropylbenzene	9700	U
79-34-5	1,1,2,2-Tetrachloroethane	9700	U
541-73-1	1,3-Dichlorobenzene	9700	U
106-46-7	1,4-Dichlorobenzene	9700	U
95-50-1	1,2-Dichlorobenzene	9700	U
96-12-8	1,2-Dibromo-3-chloropropane	9700	U
120-82-1	1,2,4-Trichlorobenzene	9700	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0023

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

ACH 7-10

Matrix: (soil/water) SOIL Lab Sample ID: 020562-02

Sample wt/vol: 6.2 (g/mL) G Lab File ID: OK401

Level: (low/med) MED Date Received: 06/11/02

% Moisture: not dec. 16 Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: ~~1.0~~ 10

ACH 7-11-02

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 10(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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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0033

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-03

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1752

Level: (low/med) LOW Date Received: 06/11/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/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	3	J
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~8~~	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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

E0033

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-03

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1752

Level: (low/med) LOW Date Received: 06/11/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/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	6	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

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EPA SAMPLE NO.

E0033

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-03

Sample wt/vol: 6.2 (g/mL) G Lab File ID: Q1752

Level: (low/med) LOW Date Received: 06/11/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	14.20	7	J
2.				
3.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0034

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-04

Sample wt/vol: 6.3(g/mL) G Lab File ID: Q1753

Level: (low/med) LOW Date Received: 06/11/02

% Moisture: not dec. 19 Date Analyzed: 06/17/02

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/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	3	J
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 7	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E0034

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-04

Sample wt/vol: 6.3(g/mL) G Lab File ID: Q1753

Level: (low/med) LOW Date Received: 06/11/02

% Moisture: not dec. 19 Date Analyzed: 06/17/02

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/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	2	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

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EPA SAMPLE NO.

E0034

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-04

Sample wt/vol: 6.3 (g/mL) G Lab File ID: Q1753

Level: (low/med) LOW Date Received: 06/11/02

% Moisture: not dec. 19 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	14.20	7	J
2.				
3.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0035

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-05

Sample wt/vol: 5.6(g/mL) G Lab File ID: Q1754

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 21 Date Analyzed: 06/17/02

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/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	11 ~~10~~	JB µ
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11 ~~7~~	JB µ
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	tert-Butyl Methyl 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	11	U
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.

E0035

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-05

Sample wt/vol: 5.6(g/mL) G Lab File ID: Q1754

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 21 Date Analyzed: 06/17/02

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/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
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	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
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)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

E0035

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-05

Sample wt/vol: 5.6 (g/mL) G Lab File ID: Q1754

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 21 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0035MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-05MS

Sample wt/vol: 5.2(g/mL) G Lab File ID: Q1855

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 21 Date Analyzed: 06/22/02

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/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	43	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	17	
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12 ~~6~~	JB U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	tert-Butyl Methyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	50	
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE No.

E0035MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-05MS

Sample wt/vol: 5.2(g/mL) G Lab File ID: Q1855

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 21 Date Analyzed: 06/22/02

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/KG	Q
79-01-6	Trichloroethene	47	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	48	B
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	49	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0035MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-05MSD

Sample wt/vol: 5.6(g/mL) G Lab File ID: Q1856

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 21 Date Analyzed: 06/22/02

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/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	41	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	13	
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11 ~~4~~	JB U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	tert-Butyl Methyl 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	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	48	
107-06-2	1,2-Dichloroethane	11	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0035MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-05MSD

Sample wt/vol: 5.6(g/mL) G Lab File ID: Q1856

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 21 Date Analyzed: 06/22/02

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/KG	Q
79-01-6	Trichloroethene	45	
108-87-2	Methylcyclohexane	11	U
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	46	B
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	46	
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (Total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0036

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-06

Sample wt/vol: 6.4(g/mL) G Lab File ID: Q1857

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 20 Date Analyzed: 06/22/02

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/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	5	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~4~~	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	2	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0036

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-06

Sample wt/vol: 6.4 (g/mL) G Lab File ID: Q1857

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 20 Date Analyzed: 06/22/02

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/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	1	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10 ~~2~~	JB 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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0036

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-06

Sample wt/vol: 6.4 (g/mL) G Lab File ID: Q1857

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 20 Date Analyzed: 06/22/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.29	6	J
2.	UNKNOWN	5.23	17	J
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0037

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-07

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1756

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 15 Date Analyzed: 06/17/02

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/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 ~~7~~	JB u
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~5~~	JB u
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	3	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0037

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-07

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1756

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 15 Date Analyzed: 06/17/02

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/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	2	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	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

EPA SAMPLE NO.

E0037

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-07

Sample wt/vol: 6.2 (g/mL) G Lab File ID: Q1756

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 15 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

E0038

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-08

Sample wt/vol: 6.6(g/mL) G Lab File ID: Q1757

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 12 Date Analyzed: 06/17/02

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/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 ~~5~~	JB u
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~3~~	JB u
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E0038

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-08

Sample wt/vol: 6.6(g/mL) G Lab File ID: Q1757

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 12 Date Analyzed: 06/17/02

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/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

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EPA SAMPLE NO.

E0038

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-08

Sample wt/vol: 6.6 (g/mL) G Lab File ID: Q1757

Level: (low/med) LOW Date Received: 06/12/02

% Moisture: not dec. 12 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0138

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-09

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1758

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/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	15	B
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~5~~	JB
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	3	J
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.

E0138

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-09

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1758

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	3	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0138

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-09

Sample wt/vol: 6.2 (g/mL) G Lab File ID: Q1758

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0139

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-10

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK370

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 13 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	780	J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	320	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0139

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-10

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK370

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 13 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	1000	
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0139

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-10

Sample wt/vol: 6.0 (g/mL) G Lab File ID: OK370

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 13 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0140

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-11

Sample wt/vol: 6.1(g/mL) G Lab File ID: OK371

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 21 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	790	J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	400	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0140

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-11

Sample wt/vol: 6.1(g/mL) G Lab File ID: OK371

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 21 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	9500	
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0140

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-11

Sample wt/vol: 6.1 (g/mL) G Lab File ID: OK371

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 21 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0141

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-12

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK372

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 18 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	820	J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	330	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.

E0141

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-12

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK372

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 18 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	6300	
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.

E0141

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-12

Sample wt/vol: 6.0 (g/mL) G Lab File ID: OK372

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 18 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0141MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-12MS

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK373

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 18 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	5300	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	790	J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	370	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	5700	
107-06-2	1,2-Dichloroethane	1300	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0141MS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-12MS

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK373

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 18 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	5000	
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	5500	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	6300	
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	5300	
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0141MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-12MSD

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK374

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 18 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	5800	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	760	J
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	340	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	5600	
107-06-2	1,2-Dichloroethane	1300	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0141MSD

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-12MSD

Sample wt/vol: 6.0(g/mL) G Lab File ID: OK374

Level: (low/med) MED Date Received: 06/13/02

% Moisture: not dec. 18 Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	5100	
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	5500	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	6500	
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	5200	
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0142

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-13

Sample wt/vol: 5.6(g/mL) G Lab File ID: Q1858

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 22 Date Analyzed: 06/22/02

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/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	20	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11 ~~3~~	JB M
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	tert-Butyl Methyl 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	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0142

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-13

Sample wt/vol: 5.6(g/mL) G Lab File ID: Q1858

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 22 Date Analyzed: 06/22/02

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/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
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	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
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)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0142

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-13

Sample wt/vol: 5.6 (g/mL) G Lab File ID: Q1858

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 22 Date Analyzed: 06/22/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0143

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-14

Sample wt/vol: 6.0(g/mL) G Lab File ID: Q1859

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 16 Date Analyzed: 06/22/02

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/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	4	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~4~~	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	1	J
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.

E0143

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-14

Sample wt/vol: 6.0(g/mL) G Lab File ID: Q1859

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 16 Date Analyzed: 06/22/02

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/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	1	J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0143

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-14

Sample wt/vol: 6.0 (g/mL) G Lab File ID: Q1859

Level: (low/med) LOW Date Received: 06/13/02

% Moisture: not dec. 16 Date Analyzed: 06/22/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0145

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-15

Sample wt/vol: 6.1(g/mL) G Lab File ID: Q1764

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 15 Date Analyzed: 06/17/02

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/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	43	B
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~8~~	JB u
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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	8	J
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.

E0145

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-15

Sample wt/vol: 6.1(g/mL) G Lab File ID: Q1764

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 15 Date Analyzed: 06/17/02

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/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	2	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.

E0145

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-15

Sample wt/vol: 6.1 (g/mL) G Lab File ID: Q1764

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 15 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDEHYDE	2.39	6	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0146

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-16

Sample wt/vol: 6.1(g/mL) G Lab File ID: Q1765

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 18 Date Analyzed: 06/17/02

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/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	1	J
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 ~~B~~	JB u
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~7~~	JB u
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E0146

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-16

Sample wt/vol: 6.1(g/mL) G Lab File ID: Q1765

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 18 Date Analyzed: 06/17/02

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/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	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	170	
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.

E0146

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-16

Sample wt/vol: 6.1 (g/mL) G Lab File ID: Q1765

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 18 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0149

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-17

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1766

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 17 Date Analyzed: 06/17/02

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/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	2	J
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	B u
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E0149

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-17

Sample wt/vol: 6.2(g/mL) G Lab File ID: Q1766

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 17 Date Analyzed: 06/17/02

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/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	1	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.

E0149

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-17

Sample wt/vol: 6.2 (g/mL) G Lab File ID: Q1766

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 17 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	14.20	15	NJ
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0150

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-18

Sample wt/vol: 4.5(g/mL) G Lab File ID: Q1767

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/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	2	J
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	13 7	JB U
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	17	B U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	tert-Butyl Methyl 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.

E0150

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-18

Sample wt/vol: 4.5(g/mL) G Lab File ID: Q1767

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/KG	Q
79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	1	J
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E0150

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-18

Sample wt/vol: 4.5 (g/mL) G Lab File ID: Q1767

Level: (low/med) LOW Date Received: 06/14/02

% Moisture: not dec. 14 Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	14.20	26	J
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E0153

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-19

Sample wt/vol: 6.5(g/mL) G Lab File ID: Q1860

Level: (low/med) LOW Date Received: 06/15/02

% Moisture: not dec. 12 Date Analyzed: 06/22/02

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/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	5	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~B~~	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

E0153

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-19

Sample wt/vol: 6.5(g/mL) G Lab File ID: Q1860

Level: (low/med) LOW Date Received: 06/15/02

% Moisture: not dec. 12 Date Analyzed: 06/22/02

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/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.

E0153

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: 020562-19

Sample wt/vol: 6.5 (g/mL) G Lab File ID: Q1860

Level: (low/med) LOW Date Received: 06/15/02

% Moisture: not dec. 12 Date Analyzed: 06/22/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOB

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V150625M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: OK399

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	360	JB
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.

VBLKOB

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V150625M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: OK399

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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.

VBLKOB

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V150625M-B1

Sample wt/vol: 4.0 (g/mL) G Lab File ID: OK399

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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.

VBLKOX

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V150622M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: OK367

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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	1300	U
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.

VBLKOX

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V150622M-B1

Sample wt/vol: 4.0(g/mL) G Lab File ID: OK367

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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.

VBLKOX

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V150622M-B1

Sample wt/vol: 4.0 (g/mL) G Lab File ID: OK367

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/22/02

GC Column: RTX-VOL ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(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.

VBLKQO

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V170617-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: Q1749

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/17/02

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/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	3	J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	7	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

VBLKQO

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V170617-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: Q1749

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/17/02

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/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.

VBLKQO

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V170617-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: Q1749

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/17/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKQU

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V170622-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: Q1854

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/22/02

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/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	tert-Butyl Methyl 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.

VBLKQU

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V170622-B1

Sample wt/vol: 5.0(g/mL) G Lab File ID: Q1854

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/22/02

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/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	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKQU

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) SOIL Lab Sample ID: V170622-B1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: Q1854

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/22/02

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/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOA

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) WATER Lab Sample ID: V150625-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK398

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

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/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	3	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	3	J

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKOA

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) WATER Lab Sample ID: V150625-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK398

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

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/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	2	J

1F

EPA SAMPLE NO.

VBLKOA

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) WATER Lab Sample ID: V150625-B1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK398

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.51	74	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) WATER Lab Sample ID: 020562-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK402

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

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/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 ~~2~~	JB 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.

VHBLK01

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) WATER Lab Sample ID: 020562-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK402

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

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/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.

VHBLK01

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-99-064

Lab Code: CEIMIC Case No.: 30593 SAS No.: SDG No.: E0031

Matrix: (soil/water) WATER Lab Sample ID: 020562-21

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OK402

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/25/02

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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Ceimic Corporation

QUANTITATION REPORT

Data file : \\VOA2\dd\chem\ms15.i\O062502A.b\OK399.D
Lab Smp Id: V150625M-B1 Client Smp ID: VBLKOB
Inj Date : 25-JUN-2002 11:07
Operator : JK Inst ID: ms15.i
Smp Info : V150625M-B1,O062502A.B
Misc Info : ,VBLKOB,OCLP4W,1,5,3,MBLANK
Comment :
Method : \\Voa2\dd\chem\ms15.i\O062502A.B\OCLP4W.m
Meth Date : 25-Jun-2002 09:55 amys Quant Type: ISTD
Cal Date : 25-JUN-2002 09:19 Cal File: OK397.D
Als bottle: 12 QC Sample: MBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.10
Processing Host: VOA2

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/L)
* 1 Bromochloromethane	128	12.264	12.360	(1.000)	108355	50.0000	
8 Acetone	43	8.069	8.097	(0.658)	5182	3.48395	3(aQ)
12 Methylene Chloride	84	9.114	9.243	(0.743)	8297	3.63450	4(aQ)
$ 21 1,2-Dichloroethane-d4	65	13.242	13.320	(1.080)	273300	46.2232	46
* 23 1,4-Difluorobenzene	114	13.865	13.961	(1.000)	526147	50.0000	
* 37 Chlorobenzene-d5	117	19.695	19.773	(1.000)	367228	50.0000	
$ 39 Toluene-d8	98	16.729	16.791	(0.849)	447209	48.8288	49
$ 52 Bromofluorobenzene	95	22.104	22.183	(1.122)	262145	48.5878	49

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

JK

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

Sample Delivery Group: E6031 CERCLIS No: ILN000508246

Case No: 30593 Site Name/Location: ELLSWORTH INDUS. PARK

Contractor of EPA Lab: CEIMIC Data User: IEPA

No. of Samples: 19 Date Sampled or Date Received: 6-26-02

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

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 19 No. of samples received: 19

Received by: Ena M. Dixon/ESAT Date: 6-26-02

Received by LSSS: Ena M. Dixon/ESAT Date: 6-26-02

Review started: July 9, 2002 Reviewer Signature: Allison Hanna

Total time spent on review: ____ Date review completed: ____

Copied by: Ena M. Dixon/ESAT Date: 7-12-02

Mailed to user by: Ena M. Dixon/ESAT Date: 7-12-02

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: ____